

A Survey of Technique Elements in
Piano Method Books and Technique Books for Young Piano Beginners.

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Abstract

Piano teachers agree that acquiring piano technique knowledge and skills is beneficial for musical interpretation as lacking a good technique may impact on the musicality of a performance and poor technique may lead to muscular pain or injury. Many piano teachers use a series of piano method books as major teaching materials in the lesson. It is essential for teachers to understand the technical elements included in the piano method books and to investigate whether any piano technical element is missing so that they may consider using supplementary technique teaching materials. Besides, to understand how the technical elements are presented and how soon each technique element is introduced would help teachers to teach more efficiently. The purpose of this study was to review how expert pedagogues teach piano technique to establish a framework of technique elements that should be taught to young piano beginners. Based on this framework, we undertook an analysis of the technical elements found in thirteen series of piano method lesson books together with their accompanying technical books. A calculation of the proportion of each piano technique element in each series, an evaluation of the pace at which new technique elements are introduced and an analysis of how each one is presented forms the objective of this study. The results will provide piano teachers with thorough information on the technique elements found in different method books and will help piano teachers to select the most appropriate method books for their students.

Keywords: piano method books, piano technique, young piano beginners, technique elements, teaching piano technique, piano pedagogues.

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Chapter 1

Review of Literature

The purpose of this research was to identify the technique elements found in piano method books for beginner piano students, present the introductions of each one and to study the progression of their teaching. In order to set up a background for the study, the definition of technique and various studies on piano method books will be discussed in this chapter. The first section will provide the definition of technique from different well-known pedagogues and will discuss the importance of acquiring good technical skills for piano playing. The second section will present various studies on piano method books from theses and dissertations, piano pedagogy textbooks and music magazines. The final section will be the presentation of our research questions.

1.1 Technique

Technique comes from the Greek word “*techne*” which means “art”. Margaret Saunders Ott (1976) cited Neuhaus Heinrich to explain how the improvement of technique helps to reveal the “content” or the hidden meaning in art. According to Heinrich, technique is the real body of art. When we look into the term “technique”, we see that it comprises different aspects. Pascal (1896) states that technique is enabling the possessor to play the instrument without visible effort, to play loudly or softly, quickly or clearly without harshness but with perfect clearness; and it is only obtained by careful training of the fingers and wrist. However, when technique simply means controlling fingers and wrists, or only relates to the fluency and the rapid executive of difficult passages, that concept is being used in a limited sense (Giesecking & Leimer, 1972). Last (2006) explains that technique not only involves

the control of fingers, but also involves all the musical aspects that reflect the musical character through the sensitive skill and control of the fingers on a keyboard instrument. Klingenstein (2009) includes the condition of comfort and the involvement of the mind in defining technique, as he states:

The ultimate goal of good technique is a good sound...being able to project the sounds one wishes to create. Technique is to allow the student to play increasingly more difficult repertoire with comfort and ease. A player with good technique is relaxed, yet in control of the sounds being produced. (p.204-205)

McRoberts (2009) also explains that technique includes musical, mental and physical conditions. He mentions that technique is the physical ability to express the musical ideas conceived in the mind; as directed by musical demands of the score to hold the notes comfortably while other notes are being played and to play quietly with presence. Clark, Goss & Holland, (1983) states in *Musical Fingers*:

Technique is the study of the most musical, comfortable and efficient way to play the piano. It involves using not only your fingers, but your entire body, your mind and especially your ears. (p.2)

This thesis will adopt the definition in *Musical Fingers* by Clark, Goss and Holland as it includes the musical aspects, the whole body, the mental and the auditory in explaining technique.

Technical training is important. It is more than physical ability to play the music notes accurately; it is the vehicle for interpretation to make beautiful tone with a wide range of musical expression without being marred by the failure of fingers to respond to one's will (Pascal, 1896; McRoberts, 2009). Nielson and Rosfeld (2010) also confirm the importance of techniques for musicality in the article "Technique and musicality: the indispensable and eloquent duo". They argue that beautiful expression is impossible without good technique since technique helps control, modify and free

the many body movements crucial to fine pianism. When all parts of the body are well controlled and well-positioned, it includes restraint and relaxation, posture and movement, pressure and release in all parts of the body, all essential elements to enhance musicality. Bernstein (1991) and Mark (2003) agree on the physical connection to musical feelings and the correct choreographic movements which lead to the experience of physical freedom. Contrary to physical ease, poor techniques is one of the factor which causes muscular pain and the injury.

Music teachers need to know what kind of piano technique will be covered in the lesson in order to provide a good foundation of technical training so that beginner students can develop a healthy and musical piano playing approach. Since individual teachers have their preference for certain piano method books, they must know which technical elements are presented in each method series, in order to allow every beginner player to learn the important skills of piano playing. To select the appropriate method book for their students, teachers must understand what concepts of technique are introduced, but also know how these are presented in the method book. The following section provides a review of various studies on different method books to provide background information on method books and the technique elements taught in these books. The research questions of this paper will be generated after the review of these studies.

1.2 Studies on Method Books

Studies on method books have appeared in theses and dissertations, piano pedagogy textbooks and music magazines. The results in each of these three categories will be presented in chronological order.

1.2.1. Overview of theses and dissertations

The theses and dissertations on method books mainly examine the beginner level and focus on studying and comparing the different aspects found in the method books.

Ruppel (1951) develops a critical survey of selected beginning piano methods. Twenty method series (first book only) are studied and the books are rated in fifteen different categories including quality of music, quantity of material, key variety, voice range, finger and hand position, presentation of the keyboard, ear training, creative training, theoretic and harmonic training, rhythmic training, notation, consistency of development, form and interpretation, and the format of illustrations. The rating results indicates which piano method book of the twenty analyzed is the best in the different categories.

Albergo (1988) investigates the objectives of eight American beginner piano method books by examining the categories of reading, technique, repertoire, aural skills, musicianship and creative skills. She defines the term of technique and presents the technical objectives concerning playing scales, triads, hand position, good posture, good fingering habits, good quality of tone, physical execution and mental control. The result given percentages for each method book clearly achieve the behavioral objectives in each categories by playing, listening, creating and knowing.

Chung (1992) evaluates the beginning piano methods used in Korea and three versions of the Beyer method: the original version in one volume, Beyer for Children in two volumes and the New Se-Kwang Beyer in four volumes. The study reviews seven aspects of the books and includes introduction to the keyboard, music reading, rhythm, technique, literature, musicianship and theory,

and organization and format. However, the study of method books is only limited solely to the Beyer method.

Ballard (2007) analyses the music content in ten piano methods for the elementary aged beginning piano student with reference to The National Association for Music Education Standards which includes recreating, creating and reading music. The study investigates the variety of repertoire, development of skills for creating music, the variety of key, meter and other related music reading experience in piano methods published in North America from 1994-2006. As the study has mainly a focus on different kinds of repertoire, and how it is related to improvising or composing, music reading, experience of keys and meters, no attention to technique elements appear.

Muck (2009) evaluates fourteen piano method series on eight aspects: reading approach, rhythmic approach, technique, theory, skills included, musicianship, music content and overall series. In the technique section, five different variables are examined such as a need of a separate book for technical teaching, introduction of legato and staccato playing, use of pedal, introduction of scales and how soon hands play together. Muck illustrates when the five variables are introduced and also investigates whether the book introduces the elements such as arm weight, round hand shape, firm fingertips, use of arm, flexible wrist and thumb position. Muck also provides information on the technical elements presented in the supplementary technique books of the method.

Sundell (2012) studies the comprehensive musicianship philosophy in twelve piano method books. Musicianship includes activities in aural skill, compositions, improvisation, music history, music theory and performance practices. Sundell uses both a qualitative and a quantitative approach to show the

percentage and ratio rate of the musicianship activities and provides a description of the pedagogical usage of each activity. The performance practice is defined as any exercise that reinforces the physical side of piano playing and includes position, technique and tone which we will discuss later.

Lu (2012) surveys eighteen North-American piano method books with specific focus on repertoire selection and categories. She identifies different types of repertoire in method books and its frequency, to find out which method book contains the most variety of repertoire and ethnic elements. Charts are provided to illustrate the page, title, composer of the music in different categories of repertoire in each method. Quantitative approach is used to show the percentage of different categories of music in each book and for easy comparison.

Chen (2013) compares the instructional progress in three fundamental areas: note learning, technique and rhythm in three method books: Music Tree, Piano Adventures and Hal Leonard Student Library for Beginning Piano Students. In the evaluation of technique, Chen first explains the teaching format to be found in the Hal Leonard technique book and explains how the technique book of Piano Adventures corresponds with the lesson book and that there are descriptive images and exercises to encourage students to think creatively in terms of sound quality and musical character. Chen compares the progress in introducing the different technical elements in lesson books and mainly points out how soon they play hands together, the five finger position with different intervals of fingers, chord playing, legato playing, dynamics and use of pedal. There are comments on the outstanding approach in teaching technique, with clear suggestions and useful practice drills, in the *Piano Adventures* book.

In conclusion, the studies of the theses and dissertations focused on different aspects that included music content, repertoires, musicianship, note learning, rhythm (Ballard, 2007; Sundell, 2012; Lu, 2012). However, none of these studies had technique as their main focus. Although there are studies that touch on aspects of technique (Ruppel, 1951, Albergo, 1988; Chung, 1992; Muck, 2009; Chen, 2013), they used limited criteria to measure these elements in method books (Muck, 2009) or they fail to identify the elements included within the concept of technique specifically (Ruppel, 1951; Ballard, 2007). A few authors focus on what elements of technique are introduced in the books and on how soon each element is introduced (Muck, 2009; Chen 2013). However, whether elements are missing in the method books, how each element is introduced and the progression for each technique element is not extensively covered. The quantitative investigation of these elements will be the target of this project. Appendix 1 is a list of method books examined in the theses and dissertations discussed above.

1.2.2 Overview of piano pedagogy textbooks

Several piano pedagogy specialists (Bastien, 1977 & 1995; Uszler, Gordon & Smith, 2000; Baker-Jordan, 2004) have studied the method books and also the supplementary technique books for piano beginners. While some pedagogues demonstrate what kinds of technique elements are presented in the books, other highlights the way of presentation of the technical elements.

Bastien (1977, 1995) surveyed 27 series of piano methods for beginners published in the periods, 1936-1988. A series of books include the method, technique, theory, supplementary book, adult book, flash card, literature book and

these are all listed out under each piano method. In the study of technique books, Bastien presents the objectives and concepts of technique elements in each level as well as the objectives of these supplementary books. Basic techniques are reviewed systemically for the pre-school child and beginner technique for the average age beginners. This will be discussed in the methodology section of this paper.

Uszler, Gordon & Smith (2000) reviewed eleven series of piano method books. The analysis provides information on the kinds of books included in each series and gives general information about each type of book in the series, including the kind of repertoire included. The review of method books does not discourse which technique elements are presented in the method books, but it provides a checklist for the elementary method books. That helps readers to evaluate the piano method books on the aspects of reading, technique, musicianship and important questions such as the sequence of the materials, nature and quality of music, language used, cultural or ethnic assumptions and presentation of graphics and format. The checklist on technique will be discussed in the methodology section of this paper.

Baker-Jordan (2004) analyses ten piano beginner method books to be used in the first two years based on the evaluation of reading, rhythm, technique and theory except for the books which are integrated courses or self contained in one book at each level. Baker-Jordan generally identifies the technical contents introduced in the technique book and states what is being taught first and how one element of technique progress to another. Baker-Jordan highlights the strength of technique books used, the different ways to present the concepts such as the use of

analogies and artwork to explain the contents, a checklist to review the skills and to remind students to focus on sounds and touch.

In conclusion, Bastien (1977, 1995) and Uszler, Gordon & Smith (2000) present the kinds of book included in different series of method books. While Bastien (1977 & 1995) and Baker-Jordan (2004) identify the technique concepts in method books and in the technique books, Uszler, Gordon & Smith (2000) provide a checklist of technique to help a teacher find out what elements they should consider in teaching technique. This will be discussed in the methodology section in this thesis. Baker-Jordan (2004) specifically highlights the strength of some method books like using analogy and artistic content to introduce technical concepts. However, the author does not cover a full description of how each technical element becomes introduced. Our study will not only identify technique concepts in method books and technique books, but will also be concerned with the presentation of tech technical element

1.2.3. Overview of magazines

From 1982 to 1985, the Piano Quarterly published an outstanding series of articles edited by Marianne Uszler which reviewed all of the newest and best piano methods on the market (Johnson, 2009).

In *Piano Quarterly* no. 122, Lyke (1983) reviews Clark's *The Music Tree* and points out that the teaching of technique is blended into the core book of *The Music Tree* basic collection. So, the first book of *The Music Tree* stresses coordination and the control of sound without using outer fingers until the second book. Warm up exercises placed at the end of each book correlate with the repertoire of each unit. Lyke mentions that the books emphasize sound, look of

hand, and the involvement of the entire body in the production of sound. Bognar (1983) reviews Robert Pace's *Music for Piano* includes its' companion materials: *Creative Music, Finger Builder and Theory Paper*. Bognar suggests that one of the strong points in the Pace books is the emphasis placed on the theoretical aspects of music. He discusses the concepts introduced in the different levels in the book of Creative Music and comments that *The Finger Builders* develop a strong sense of the five-finger pattern in twelve keys and the concepts such as legato, staccato, phrase, slur, broken chord and simple arpeggio are also stressed.

In *The Piano Quarterly* no. 123, Johnson (1983) reviews *The David Carr Glover Piano Library*. The publisher, levels, titles and authors of the series are listed. Johnson states that the basic skills and concepts in the series include reading, technic, rhythm, musical understanding such as theory, aural experience and creativity. Johnson identifies the kinds of technical elements in the different levels and the order of introduction. Johnson comments on the books' lack of explanations on "how to" do the specific technique; finger crossing, shifting hand positions and hand/thumb extension are not addressed. However, the authors of the piano method responded by referring to the "how to prepare" instructions presented in the Primer Level and explained that there are excellent tables of contents to enable teachers to find the goal of every exercise. Miller (1983) reviews *Bastien Piano Library*. She clarifies the edition and explains what books are included in the series. Miller identifies the philosophy behind technique teaching in the primer level and indicates that there are suggestions and instructions to the teacher and student with descriptive titles and colorful illustrations. She then points out the short exercises and technique elements introduced in each level of the book.

In *The Piano Quarterly* no. 124, Camp (1983-1984) reviews *Alfred's Basic Piano Library* and pinpoints that the beginning years of piano study are extremely crucial, so he claims that the selection of the beginning method books is very important. Camp suggests that a book should promote correct mental perception of musical language to direct the correct physical coordination. Camp states that in this series, the first book introduces pre-reading experience with stress on keyboard, finger number recognition, rhythmic reading, dynamic and skill of working on individual fingers. Technique and musical ideas are integrated into the progression of musical and notational complexities, such as the introduction of mixing staccato and legato and parallel and contrary motion. Larimer (1983-1984) reviews *Music Pathways* and identifies that in the early stages of technique development put an emphasis occurs on good hand position and hand shape through the use of five finger cluster position over three white keys which then extends to five white keys combined with free arm movement. The intervals are introduced through the daily exercises; triads are introduced in level C book and reinforced with musical drills in all keys. Free and lateral arm movement is emphasized when the finger range is expanded from fifth to octave. The authors, Lynn F. Olson, Louise Blanche and Marvin Blickenstaff responded in the same article that 3-keys cluster is used for arch building and the 5-key cluster is the very next experience. The block and broken triads are a definite part of the curriculum in Level C book as the hand is thoroughly prepared.

In *The Piano Quarterly* no. 125, Hilley (1984) reviews the *Keyboard Art Method* based on reading, technique, rhythm and the music. The basic study begins with a "closed hand" technique as to avoid bad habits. Hilley finds all techniques to be related to pieces in the piano books and no specific technical

exercises are presented. The book covers elements such hand position, fingering and pedaling. Pearce (1984) reviews the first two phases of the Mainstreams Piano Method series which comprised four phases progressing from elementary (phases 1,2) through intermediate (phases 3, 4). The review focuses on the aspects of pitch notation reading, rhythmic notation reading, musical symbols reading, theory creativity, technique and musicianship of the series. Pearce concludes that the technical studies in the first two phases develop legato/staccato; major/minor five-finger patterns; triads and inversions in block and broken form; sustained and moving parts; legato thirds; all major/minor scales and arpeggios; trills; and repeated notes. Many studies come with the motion instructions such as “wrist rolls forward at the rest and lifting fingers out of the keys”. Pearce comments that there are too many pieces in the middle C position which restricts the awareness of a free mechanism and affects the development of a balanced hand position. In response of Pearce’s comments, Walter and Carol Noona clarify that the prime concern is to develop a feel for the piano lessons and for music itself and that is more important than whether we teach a Middle C approach or an avant-garde system.

In *The Piano Quarterly* no. 126, after a survey of American beginning piano methods that have been published, Uszler (1984) decides to examine what has come out from the different analyses. Uszler concludes that for technical beginnings, a list of movements that precede the teaching of finger legato is suggested and includes whole arm movements, combined use of two hands and arms, hands alone and together for playing the fifth. She recommends teaching whole arm and hand technique with focus on total bodily posture and large muscle movement before small muscle movement. The arms and elbows are kept away

from the torso as she said this is essential for physical freedom and body balance. Early method books present movement from the thumbs to the weak side of the hand but the method books post 1955 use inside fingers first. The initial movement to thumb or fifth finger, by skip rather than step, and movement by skip are introduced before movement by step: 3-1 before 2-1 or 2-3.

In *The Piano Quarterly* no. 127, Maris (1984) reviews the Suzuki Method Piano School. The author suggests that the basic guideline in the development of technique is “listen to the sound”. Lancaster (1984-85) reviews the Yamaha Music Education System in *The Piano Quarterly* no. 128. As this thesis is only focusing on the study of method series for private or individual piano students, the Suzuki Method and Yamaha Music will not be included since they are the methods for group lesson.

Twenty five years after Marianne Uszler edited an outstanding series of articles for the review of method books in *The Piano Quarterly*, Rebecca Johnson was invited in 2007 to undertake a similar project to provide an updated, in-depth analysis of current methods. This series of articles was published in *Clavier Companion* which is a magazine created by the combination of *Clavier* and *Keyboard Companion*. The project was announced by Johnson (2009) in *Clavier Companion* and there are 12 piano method books that are covered in the review project.

In *Clavier Companion* November/December 2009, Johnson reviews *Piano Adventures* and she states that the strength in this series is how the various techniques are illustrated in the *Technique* and *Artistry* books with easy-to-understand analogies. The “Technique Secrets” and “Artistry Magic” explain what each technique is emphasizing and the concepts for phrasing and musical playing.

Additional features such as “extra credit”, “optional”, “artistry check” and “super student challenge” encourage and remind students to use different ways to practice, to listen and apply the musical skills. Fisher (2009) in the same article comments that the finger numbers not reprinted for a recurring note creates confusion. The “technique secrets” of each book are impressive as it increases student awareness during home practice.

In *Clavier Companion* January/February 2010, Johnson reviews *Piano Discoveries* and she points out that the “Building Technique” boxes that appear throughout the books provide warm-ups and practice strategies for the new concepts or physically challenging sections of the pieces.

In *Clavier Companion* Mar/April 2010, Johnson reviews Alfred’s *Premier Piano Course* and she indicates that a strong pedagogical foundation is laid out in the pre-reading section. It suggests students first play the pieces on their lap, on the fallboard or silently touching the keys before actually sounding the keys. The technique tools in technique book 1A and 1B cover the topics of relaxed shoulders, arm weight and strong finger tips. The descriptive titles such as “Playing Across the Bar Line” and “Playing Evenly from Hand to Hand” are used in artistic Etudes. Sharon Ard (2010) in the same article comments how the workout ideas that precede each piece help isolate the trouble spots and make students aware of the concept. The rests in the pieces allow students to think about the technique element to be used.

In *Clavier Companion*, May/June 2010, Johnson reviews *The Music Tree*. She explains that there are sidebars on each page of *Time to Begin* (the first book in the series) asking questions and offering suggestions about playing. The friendly cartoon characters ensure that students see the concepts and hear how they

sound. The warm up drills offer short and sequenced technical exercises. However, how to play the notes with a relaxed and well-shaped hand are left for the teacher to provide information. Higher levels, Parts 3 and 4, and supplementary technique books provide more information on how to prepare and play the pieces. Sara M. Ernst (2010) in the same article comments on how the teacher's guide is helpful for understanding the warm-up patterns.

In *Clavier Companion* July/August 2010, Johnson reviews Hal Leonard Student Piano Library. Johnson states that the essence of technique in this book is the concern with the theme of musical fitness that parallels the physical movement in sport which requires short warm-ups. Analogies sometimes are used in describing the feeling of movement. Gray (2010) in the same article mentions that the "musical fitness" plan in the technique book provides a checklist for the technical concepts both new and old to be used in new physical motion and a short explanation of the motion are included.

In *Clavier Companion* Sept/Oct 2010, Johnson studies Piano Town and she mentions that one of the strengths of this series is the presence of questions in each piece to encourage student to examine the piece before playing. It highlights the areas that need extra technical or cognitive attention. New concepts are presented in color boxes at the top outer corner of the page. The technique element is introduced one by one in each new exercise for student to focus on one specific skill. However, how to achieve a healthy physical approach in playing is not mentioned. Kim Bakkum (2010) in the same article comments on the lack of instructions in the technique book. The book uses analogy to introduce the use of finger such as "superpower" characters related to the study of thumb position.

In Clavier Companion Nov/Dec 2010, Johnson surveys “Celebrate Piano!” and she states that each lesson includes technique, theory and ear training. The “Finger Gym” in the technique area introduces short technical exercises preparing for the piece and gives minimal instruction concerning the physical approaches to the exercises.

In Clavier companion Jan/Feb 2011, Johnson reviews American Popular Piano and she mentions that the technique book is available through level 2 and it focuses on the training of major and minor pentascales and triads, and beginning scale drills with varying rhythms, articulations and phrasing in several keys. Stephen Reen (2011) in the same article comments that the modular approach of the skills books provides flexibility in lesson planning.

In Clavier Companion Mar/April 2011, Johnson reviews Bastien Piano Basic and she illustrates how the Primer Lesson book introduces legato and staccato. The technique book consists of etude-like pieces to explore and expand technical challenge. No information or analogies are given concerning the correct physical approach in playing the pieces. Elaina Denney Burns (2011) in the same article comments on how slow practice is always encouraged to develop proper technique from the very beginning. Although there is a lack of instruction, teachers could interpret the music and determine the best way to convey the concept to students and it offers a more conductive and creative teaching.

In Clavier Companion May/June 2011, Johnson reviews Music Moves for Piano and explains how the book design is based on the “mother tone” philosophy, so students “hear” and “do” for at least two years before they begin to see and read the written language of music. Barbara Hendricks (2011) in the same article comments on how students progress through soft fist, tall fingers, three fingers to

five fingers, extensions and cross-over. Cadences, arpeggios and scales begin in the first book with emphasis on the aural understanding of the harmony first and then the visual look and kinesthetic feel of each key simultaneously.

In *Clavier Companion* July/Aug 2011, Johnson surveys *Succeeding at the Piano* and she comments on “Before playing” and “After playing, ask yourself” questions that precede or come after the pieces; it stimulates and reminds students to think and apply knowledge in their playing. Gail Lew (2011) comments that the lesson materials combined with the technique book lead students to emphasize phrasing and artistry in every lesson. The “Perfect Piano Hands” and warm-ups address the technical work of arm weight, strong fingers and flexible wrists.

In *Clavier Companion* Sept/Oct 2011, Johnson reviews *The Robert Pace Keyboard Approach* and she presents the musical concepts and elements introduced in the different books. No graphics or color occurs in the core book of this series. “Finger builders” are short technical exercises given in Book 1 with suggestions on hand position, wrist movements and emphasis on musical playing. One octave major and minor scales are introduced in Book 1 and 2; four-octaves major and minor scales, arpeggios and more advanced technical exercises are introduced in Book 3 and 4.

In conclusion, the project on the review of method books published in *The Piano Quarterly* provides information about what technique elements and concepts are included in the different series (Johnson, 1983; Bogner, 1983; Lyke, 1983; Camp, 1983-84; Uszler, 1984; Hilley, 1984). From this analysis, a few books have been identified as developing or emphasizing the philosophy of physical freedom in playing. However, none of the reviews focuses on how the teaching of technique is being presented. The reviews published in *Clavier Companion*

present a step forward in commenting on the strength of the method books (Johnson, 2009) and in presenting the information about “how to” teach the technique including the use of analogies, of mental practice preceding the actual playing, of short exercises or warm-up exercises preceding the etude or song playing, friendly cartoon characters to ensure that students know the targets to be achieved in the playing, a box with remarks after or before playing to ensure students understand what technique is emphasized in the exercises and to evaluate whether the required techniques are used. Most of the strategies are enhancing students’ mental involvement in the playing.

1.3 Research Problem

To develop a good habit of technique is very important not only to enhance the musical interpretation in piano playing, but also to produce a healthy approach in piano playing. When teachers select the method books, it is essential for them to know the features, the strengths and the weaknesses related to the teaching of technique in the method books. It is easier for teachers to find a suitable book for their students when they understand the technical elements that should be acquired by elementary piano beginners, together with the information for evaluating those elements, the philosophy of approach, the progression of concepts introduced and the way of presentation in the piano method. The review of literature on method books provides information about the technique elements and the method of how the techniques are presented in method books. However, few studies clearly identified the physical approach of piano playing, and no analysis has clearly identified which technique elements are missing after completing a certain level in a series, and no literature is presenting the proportion of each technical elements found in the series or

how soon each concept is introduced. This thesis will first identify the elements of technique essential for young piano beginners and provide a framework to measure and evaluate the technique elements in piano method books. This thesis will identify the philosophy of technique teaching in each method book and identify the technical elements in the book; to calculate the proportion dedicated to teaching technique and to calculate the teaching progression for each concept. It will also review how the elements of technique are introduced: by the use of analogies, with pictures or photos, notes to remind student to use the appropriate elements when playing. Once the technique concepts are introduced, how the technique concepts are reinforced will be reviewed as well. Since the development of technique in piano playing involves the mind, the ears and the whole body, this thesis will find out which method books are putting an emphasis on “using the mind”, “using the ears”, or “different part of body” in playing. This may be done by questioning students before playing in order to remind them to focus on certain elements or by questioning them after playing, inviting them to evaluate their own performance and find out whether the proper technique elements were being used or not.

The purpose of this thesis is to provide information to understand clearly the differences, the strength and weaknesses different method books by analyzing how technique is introduced and taught. Here are the research questions for this analysis:

1. What are the technical elements introduced in piano method books?
2. What elements are missing?
3. Which are the piano method books containing the most and the least technique elements?
4. What is the pace at which new elements are being introduced?
5. How are the technical elements introduced?

6. How often are technical elements reinforced?

Obviously part of the answers to the first, fourth, and fifth questions can be found in the previous review of literature as the different studies presented the technique elements in each method, the sequence of introducing technique elements and the particular way of presenting the technique elements. This study will compile these and organize them in a framework that will compare the different method books series. Moreover, a quantitative approach will be used to calculate the proportion of each technical element in the books and the teaching progression of the elements introduced. The types of presentation of each element will be clearly explained. For question 2 and 3, after establishing a technique framework based on the pedagogical literature, we will find out what technical elements are missing and which books contain the most variety. A more detailed procedure regarding how a framework is developed for collecting and analyzing will be presented in the next section.

Chapter 2

Methodology

The purpose of this research is to identify the elements of technique found in piano method books for the beginner piano student, to study the progression by which these elements are taught, to calculate the rate at which these elements are introduced and to review how they are taught and reinforced. The six research questions presented in chapter one address these purposes. The first three questions give thorough information about what technique elements are included in piano method book: 1. “What are the technical elements introduced in piano method books?” 2. “What are the technique elements are missing?” and 3. “Which are the piano method books containing the most and the least variety of technique elements?” Question 4 examines the progression of technique elements being taught: “What is the pace at which new elements are being introduced?” The two remaining questions are Question 5: “How are the technical elements introduced?” and Question 6: “How often are technical elements reinforced?”

This chapter is divided into five parts. The first part provides a definition for method and for method books. The second part explains the criteria that were used for the selection of the method series for this research. The third part provides a full description of how a framework was developed for collecting and analyzing data. The fourth section outlines the charts that were developed to present the data. The fifth section explains the procedure used for conducting the content analysis and the comparative analysis.

2.1 Definition of Method and Method Books

The term “method” implies a systematic way of doing something (Ruppel, 1951). Ruppel states that piano method is used synonymously with the term piano course and it refers to a series of overall music studies to develop sufficient knowledge for self-expression (Ruppel, 1951). According to piano pedagogues Bastien, “method” is an integrated system of learning, “a systematic plan following in presenting material for instruction.” (Merriam-Webster as cited in Bastien, 1977). According to Uszler, most American piano teachers consider that a “method” means a piano book for beginners used before the introduction of easy Bach, Beethoven or Bartok pieces (Uszler, 1982-1983). Uszler, Gordon & Smith (2000) states:

The virtue of a method is that it promises to produce result. “Method” can be applied to an infinite number of activities in a narrow sense, it mean a way of teaching someone to do something or showing someone how to perform a particular skill. In music, “method” can be used to mean an instructional book, a way to teach or show someone how to play an instrument (p. 339).

While Ruppel (1951) and Bastien’s (1977) meaning of “method” refers to a general emphasis on developing piano playing skills or on instructions for skill learning with a series of studies or a systematic plan of instruction, Uszler, Gordon & Smith (2000) present “method” to cover the use of instructional books to teach and show someone how to play an instrument. Ballard (2007) defines “method” as a series of graded teaching books on a particular subject. In this thesis, the definition by Albergo (1988) will be used and the term “method book” will refer to “a series of lesson books and supplementary materials written to create a planned program of piano study” (p. 4).

2.2 Selection of method books

In order to be of value to piano teachers and to have an impact on the way piano teaching is done today, we focused on the method books that are most relevant because of their popularity in the field of piano pedagogy. The studies on piano method books in the theses and dissertations, in the piano pedagogy textbooks, and in music magazine articles discussed in chapter one, provided good references in the process of selection. Appendices A and B shows the piano methods books that have most often been chosen for analysis. A total of eighty-one method books had been reviewed in the above materials (see Appendix C). In order to select the books that are most “relevant” today, only the method books covered in the more recent thesis (from 1980 and onward), or in the second series of articles were considered for this research. The selection of method books in this thesis is based on the following criteria:

1. Series published before 2000: method books that have been evaluated by 7 authors or more.
2. Series published after 2000: method books that have been evaluated by 4 authors or more.

To maintain consistency in the analysis of the series being compared, we decided that only method books for one-on-one instruction and for young beginners were selected. Method book for group classes or adult beginners were not included.

Eleven method series are included in this thesis based on the above criteria: seven method series published before 2000 and four method series published after 2000. The method series published before 2000 are: *Alfred's Basic Piano Library* (Palmer, Manus & Lethco, 1981), *Bastien Piano Basics* (Bastien, 1985), *Hal Leonard Piano Lessons* (Kreader, Kern, Keveren & Rejino, 1996), *Music Pathways* (Olson, Bianchi & Blickenstaff, 1983), *Music for Piano* (Pace, 1994), *Piano Adventure* (Faber & Faber,

1996) and the method series published after 2000 are: *Piano Discoveries* (Vogt & Bates, 2001), *Celebrate Piano!* (Albergo, Kolar & Mzronski, 2003), *Alfred's Premier Piano Course* (Alexander, Kowalchuk Lancaster, McArthur and Mier, 2005), *Piano Town* (Snell & Hidy, 2004). In addition, the corresponding technique books of each method series were also included in order to ensure all technique instruction within each method series analyzed. Some series are integrated into one core book without supplementary technique book for beginners such as *The Music Tree* (Clark & Holland, 2003) and *Music Pathways* (Olson, Bianchi & Blickenstaff, 1983,) therefore only the lesson book of these series was studied. The following table lists a total of eleven series included in this study, with total number of pages, authors, date of the publication and publishers.

Table 1

List of Piano Method Books and Technique Books Selected

Book title	Level	Books for Analysis	No of pages	Authors	Date of Publication	Publishers
Alfred's Basic Piano Library	1A	Lesson 1A	59	Williard A. Palmer, Morton Manus, Amanda Vick Lethco	1981	Alfred Publishing Co.
		Technique 1A	22			
Alfred's Premier Piano Course	1A	Lesson 1A	60	Dennis Alexander, Gayle Kowalchuk, E. L. Lancaster, Victoria McArthur, Martha Mier	2005	Alfred Publishing Co.
		Technique 1A	29			
Bastien Piano Basics	Primer	Lesson	59	James Bastien	1985	Neil A. Kjos Music Company
		Technic	30			
Celebrate Piano	1A	Lesson and Musicianship 1A	77	Cathy Albergo, J. Mitzi Kolar, Mark Mrozinski	2003	Fredrick Harries
Hal Leonard Piano	Book 1	Lesson	61	Barbara Kreder, Fred Kern, Philip Keveren, Mona Rejino	1996	Hal Leonard Corporation
		Technique	30			

Music for Piano	Book 1	Lesson book (Revised)	47	Robert Pace	1994, 2006	Lee Roberts Music Publications
		Finger Builders (Revised)	46		2007	
Music Pathways	Book A	Lesson (Discoveries)	61	Lynn Freeman Olson, Louise Bianchi, Marvin Blickenstaff	1983	Carl Fischer
Piano Adventure	Primer	Lesson Book	68	Nancy and Randall Faber	1993, 1995, 1996-1997, 2011	The FJH Music Company Inc.
		Technique Book	28			
Piano Discoveries	On-Staff Starter	Discoverer Book	42	Janet Vogt & Leon Bates	2001	Heritage Music Press
Piano Town Method	Primer	Lesson Book	58	Keith Snell Diane Hidy	2004	Neil A. Kjos Music Company
		Technic Book	31			
The Music Tree	Time to Begin	Time to Begin	69	Frances Clark Louise Goss & Sam Holland	2003	Summy-Birchard Inc.

2.3 Development of an Analytical tool

This section describes how the analytical tool was created for the data collection.

There are two steps in the data collection; each step is explained in detail below.

Step 1:

The first step of the data collection address the first, fourth, fifth and sixth research questions: “What are technique elements introduced in the piano method books”, “What is the pace at which new technique elements are being introduced”, “How are the technique elements introduced” and “How often are technique elements reinforced”. This data was collected manually page by page and entered into the table below (Table 2).

Table 2

Header Rows for the Table Used to Collect Page by Page Data from Each Method Series

Name of method book											
Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon drawing	Photo	Others		Musical development	Biomechanical development		

For each new element introduced, the page number was entered in the first column, and the name of technical element was entered in the second column. In order to study how the new technique element was introduced, the information relating to the type of presentations was categorized in five different ways: “Explanation in words”, “Analogy”, “Cartoon Drawing”, “Photo” and “Others”. Each concept could be presented with one or multiple presentation types. “Explanation in words” refers to the new technical element introduced with a written explanation; it includes the meaning of the element and how to achieve that technique. “Analogy” is an inference from one particular subject to another particular target. For instance, when introducing the dynamic sign “*p*”, student is invited to pretend she or he is holding a newborn kitten with the utmost tenderness and sing “la” softly and gently (Bernstein, 1991). Thus, the sound “*p*” is associated to the tenderness of holding a newborn kitten in this analogy. For “cartoon drawing” and “photo”, the difference between these two presentations is shown in the figures below.

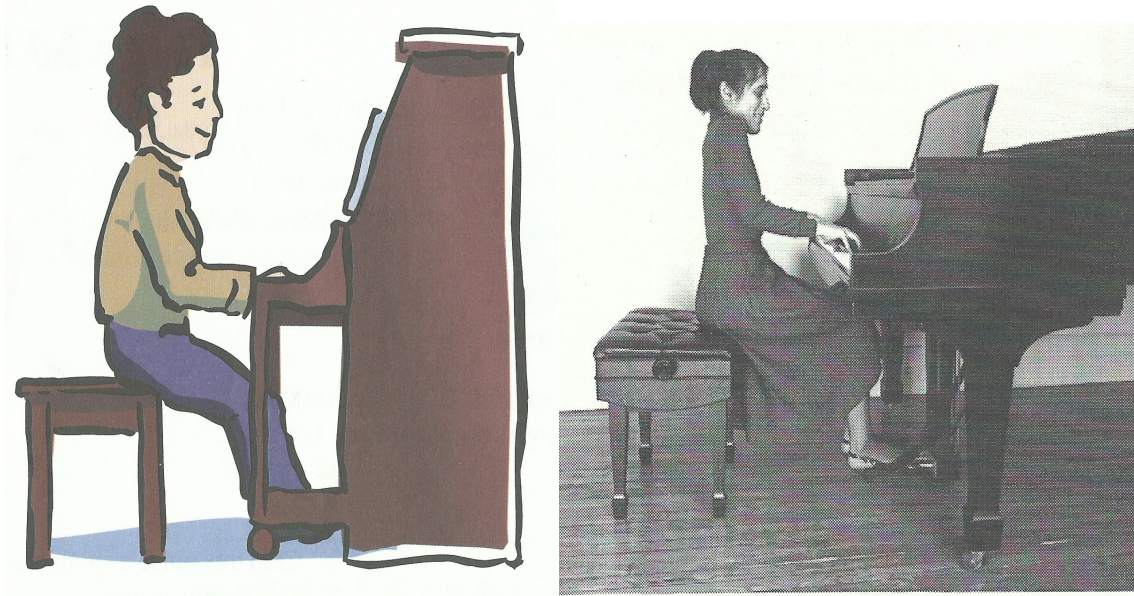


Figure 1. Cartoon Drawing of Correct Sitting Posture and Photo of Incorrect Sitting Posture. Left Image Adapted from *Hal Leonard Student Piano Library Piano Lessons* (p.3), by Kreader, Kern & Keveren, 1996, Milwaukee. Copyright 1996 by Hal Leonard Corporation. Right Image Adapted from *20 Lessons in Keyboard Choreography* (p. 31), by S. Bernstein, 1991, Milwaukee, Hal Leonard Publishing Corporation. Copyright 1991 by Seymour Berstein Music.

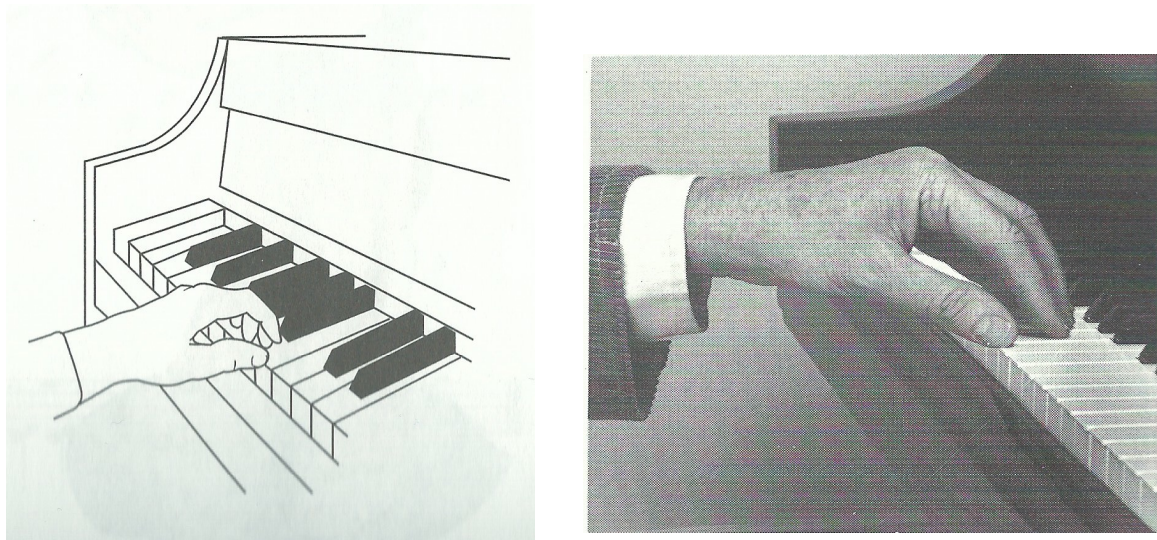


Figure 2. Cartoon Drawing and Photo of Hand Position. Left Image Adapted from *Hal Leonard Student Piano Library Piano Lesson* (p. 3), by Kreader, Kern & Kevern, 1996, Milwaukee. Copyright 1996 by Hal Leonard Corporation. Right Image Adapted from *20 Lessons in Keyboard Choreography* (p. 38), by S. Bernstein, 1991, Milwaukee, Hal Leonard Publishing Corporation. Copyright 1991 by Seymour Berstein Music.

When the presentation does not fall into one of these four ways, then “other” was selected and detailed information was recorded in cell of “Comments” column. Column 4 contains technical elements that have already been introduced but appeared again on a different page and act as reinforcement. To be considered a reinforcement, the technique element must be written on the page to remind student to work on that particular technique. How the techniques are reinforced was recorded in the “Comments” column on the same row. There could be more than one new technique element introduced and more than one already learned technique element on the same page. For example, on page 4 of “Alfred’s Premier Piano Course Technique 1A”, there is a statement to remind students to play with a “relax heavy arm”. While the new elements of “arm weight”, “full sound”, “dynamics” and “hands play alternatively” are introduced for the first time, those concepts were entered in column 2, but “relax heavy arm” was entered in column 4; then “a statement to remind student” was entered in the cell “Comments” column on the same row in order to understand how the concepts were reinforced.

We have defined the term “technique” in Chapter 1, as “the study of the most musical, comfortable and efficient way in piano playing” (Clark, Goss & Holland, 1983, p.2). The “Category” column classifies the new technical element as enhancing the musical development or the biomechanical development in piano playing of the young beginner. A technique element relating to the use of a particular body part is identified as a “biomechanical” aspect while a technique element relating to sound effect is identified as a “musical” aspect. A technique element could address both aspects and that will be indicated in the chart. Column 6 collects the basic data of the title of the song and the last column (column 7) shows additional information when required (e.g., when the type of presentation is “other”).

What follows is an example to illustrate how the data on a particular page was entered in the table. On page 4 of *Alfred's premier Piano Course Technique 1A*, there is a statement to remind student to play with "relax heavy arm". The elements of "arm weight", "full sound", "dynamics" and "hands play alternatively" are introduced for the first time. The page number "4" was entered in the column 1; then all new technique elements were entered in column 2 but "relax heavy arm" entered in column 4. In column 3, the new element of "arm weight" was introduced with explanation by words and with a cartoon drawing, the mark (*) will be entered under "Explanation in words" and "Cartoon Drawing" (there can be more than one mark (*) in column 3). Column 5 classifies technical element as enhancing either the biomechanical or the musical development or both. The new element of "hands play alternatively" is related to the usage of the body in playing, so the mark (*) was entered under "Biomechanical development" in column 5. The elements of "full sound" and "dynamic" are related to sound making, so the mark (*) was entered under "Musical development" in column 5. The technique element of "arm weight" is related to both "biomechanical" and "musical" development, so the mark (*) was entered under both aspects. In column 6, the song name "Great Weight" was entered and a statement "use arm weight o play full sound" was entered in column 7 as it is the additional information related to the technique element. Table 3 is an example of the data input in the analytical tool in step 1.

Table 3

Sample of Data Input in the Analytical Tool in Step 1

Alfred's Premier Piano Course Technique 1A											
Page no.	New technical elements	Type of presentation					Other technique elements involved	Category		Title of the Song	Comments
		Explanation in Words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
3	Height of bench	*		*					*	Nil	
	Distance	*		*					*		
	Good hand position	*		*					*		
	Relax/heavy arm	*		*					*		
	Relax shoulder	*		*					*		
	Sit straight	*		*					*		
4	Arm weight	*		*				*	*	Great Weight	Use arm weight to play full sound
	Full Sound	*						*			
	Dynamics (loud)					*		*			
	Hands play together					*			*		RH and LH sign appear on music
							Relax/heavy arm				Written in words to remind student
5	Move freely	*							*	Beautiful arches	
	Arched hand	*		*					*		
	Dynamics (medium loud)					*		*			Instruct student to play medium loud
							Hands alternatively				Written on music
6	Strong fingertips	*		*					*	Pumping Iron (LH)	
	Use finger pad	*		*					*		
	LH only					*			*		LH sign on music that student plays LH only
							Arm weight				Written in technique tip
							Dynamic (medium loud)				Written on music

Step 2:

The first step of the data collection provides information for the first, fourth and fifth questions in this thesis. The second step of the data collection provides information for the first, second and third questions: “What are the technique elements introduced in the piano method books”, “What are the elements are missing” and “Which are piano

method book containing the most and the least variety of technique elements”. These relate to the first purpose in this thesis: to thoroughly identify the technique elements found in piano method books for beginner piano students. In step 2, a framework was created to determine all the technique elements that a young beginner student should cover in order to get an understanding of which of those are introduced in method books and which ones are missing. The information included in this framework is based on the writing of different pedagogues addressing piano technique for beginner student: the text books include *On Teaching the Piano* by Hetty Bolton (1954); *The Young Pianist* by Joan Last (1972); *We Piano Teachers* by Victor Booth (1971); *Musi-Physi-Cality and 20 Lessons in Keyboard Choreography* by Seymour Bernstein (1991); *How to Teach Piano Successfully* by James Bastien (1977, 1995); *The Well Tempered Keyboard Teacher* by Marianne Uszler, Stewart Gordon and Scott McBride Smith (2000) and *Practical Piano Pedagogy* by Martha Baker-Jordan (2004).

Regarding the technical elements for beginner students, Bolton (1954) points out that it is important to adopt a natural way of playing with movements and natural muscular conditions. The mental preparation is essential as well when building technique: it includes the imagining the kind of sounds that is intended. Moreover, the height and distance of the bench, the sitting posture with straight back and the relaxation of both arms, as well as the muscular and mental participation are very important; the relaxation should have the support and exertion under control without stiffening the shoulder. Also, for this author, tone control of crescendo and diminuendo in scale playing, forearm rotation, hand staccato, finger staccato, forearm staccato and finger independence should be included in the teaching scheme.

Last (1972) introduces many elements of technique during her students’ first lesson. These includes how the piano works, a sitting posture with correct bench height

and distance, the position of arm, elbow and wrist, and the use of finger tips resting upon the keyboard. She focuses on the development of arm freedom and balance between relaxation and finger work; the arms, hands and the fleshy part of fingers should be used in playing piano and the arm weight is developed through the playing of chords.

Students are required to develop the skills of legato, playing with rotary movement to maintain a good legato. Constantly listening to the sound of the legato is necessary and each sound should sing until the next one is made without two notes held on together.

Last views the staccato as a “short sound” that should be played without a locked wrist or flabby wrist. The thumb activity is essential so that there is no bumpiness in playing scales or arpeggios. Last suggests that slur playing should be introduced as early as possible; students are required to think of a ‘down-up’ movement and to imagine a floating off motion on the second beat in two-note slur playing. She thinks that the scale should not be introduced in the early stages of piano learning; instead, a good technical foundation is more important in the early stage of piano study. Although pedaling is seldom used in early lessons, Last considers that there is no reason why they should be excluded after the preliminary stages have been passed.

Booth (1971) mentions that the aim of technical training is to “make the fingers the servants of mind”; the mind must be trained to control the fingers and to know what the fingers intend to do. Booth shows the piano to the student and lets the student understand that the louder sound comes from the quicker stroke of the hammer, and the softer sound comes when the key is depressed more slowly. According to Booth, a good technique is acquired by four essential parts of our body: the balance arm, the hollow hand, comfortable finger movement and forearm freedom. The balanced arm is the arm weight with the finger tips on the top of the keys as well as the control of relaxation and contraction in the shoulders. When fingers contract, the shoulder should be relaxed and

when fingers relax, the shoulder contracts. Booth considers that crescendo playing is the result of weight released from the shoulder and the degree of tone is an adjustment to that weight. Hollow hand is the arched position from finger to wrist and the arched appearance must be retained when the hand is lifted up. The fingers should move freely without exaggerated movement. Booth suggests that a clapping exercise is a good way to illustrate how the greater acceleration of the falling hand generates louder sound.

Bastien (1977) suggests that there are nine essential technique elements that should be introduced in the first year of piano lessons. Firstly, the posture such as height and distance of the bench from the keyboard, and sitting in the middle of the bench are essential in piano playing. In addition, the hand position includes curved fingers and the arched hand, and the alignment of hands, wrists, and forearms are important technical skills to be acquired in the very beginning stage of piano learning. In order to let the students feel the curved finger position, students are required to drop the arm with support of the third finger on the table or keyboard cover. Bastien mentions that there are two basic touches, legato and staccato, that should be included in the first year of training. In order to develop control in balancing the voices, Bastien suggests that students should sense and play with one hand weighted with lead, the other weighted with feathers. The two-note slur playing is developed with the down-up wrist motion; a student should learn this motion and the release of keys for phrase control. The last technical elements for first year training is the use of the thumb especially in scales where the thumb should be crossed smoothly without twisting the hand and arm out of shape.

Bernstein (1991) illustrates the importance of a physical connection to the musical feeling in his book *"Musci-Physi-Cality"*. Bernstein invites the young student to take a journey to explore the beautiful tone of the piano with the use of a pencil to feel

the different levels of the keys, specifically the key bed and the escapement. He asks students to lower the key slowly to generate a soft tone and to lower the key quickly to generate a louder tone. The arched hand shape and curved finger with joints are introduced through the use of analogies and photos. For Bernstein, dynamic control such as crescendo and decrescendo, and upper arm roll for the wrist movement are all important techniques for young students. In the book *“20 Lessons in Keyboard Choreography”*, Bernstein suggests that the elements of technique should include the sitting posture, the bench height and distance, body posture, hand position, curved fingers, movement of finger, wrist, forearm and upper arm for the on and off key movement, use of thumb, wrist, finger movement, wrist staccato, finger staccato, forearm strokes, use of fifth finger, forearm rotation, legato and rotational movement.

Uszler, Gordon, & Smith (2000) remind us of the importance of the reinforcement of technique in method books; they provide a checklist for evaluating the elements included in the elementary piano method books. The techniques involve the use of whole hand or arm, braced finger, finger legato and two-or three-note slurs. The articulation training include staccato, phrasing and tenuto and the hand movements such as lateral movement, coordination between hands such as alternating hands, hands together, parallel and contrary motion, extension and contraction within hand and the thumb crossings are all important techniques for beginner students. Fingering, production of dynamics, tempo control and pedaling should also be covered in elementary piano methods.

Baker-Jordan (2004) suggests that the constitution of a good hand shape is the start of technical training for piano students. In order to experience a state of relaxation in the hands, Baker-Jordan would ask a student to stand up and drop the hands to the side of the body to feel the natural relaxed condition of the hands. The training of a good

hand shape includes the use of fingers especially thumb and fifth fingers, and the level of the wrist, arm and elbow. Baker-Jordan eliminates the use of aphorism of telling students to pretend that there is a ball or balloon in their hands, but instead uses exercises to work on the outside fingers and the middle three fingers to acquire a good hand shape. The staccato touch such as arm staccato, wrist staccato and finger staccato; the motion for two notes (or more) slur or the motion of wrist drop, roll and release are all introduced in the technique training. The cluster or smash method is applied in the introduction of scale playing.

In summary, the common technique elements of technique most pedagogues mentioned are sitting posture (Novello, 1954; Last, 1954, 1972; Berstein, 1977; Berstein, 1991), curved finger tips (Last, 1954, 1972; Booth, 1971; Berstein, 1977; Berstein, 1991; Uszler et al., 2000) and two-or more note slur (Last 1954, 1972; Booth, 1971; Berstein, 1991; Baker-Jordan, 2004). After a careful study of all elements of technique training mentioned by these seven pedagogues, a chart (Table 4) summarizing the technique elements was created. This summary was then modified into a template could be used to measure which elements are present in the method book or technique book, and which ones do not appear. The following technique elements were added to the framework: “listening skill (use of ear)”, “feet on floor/stool” and “general” in the category of sitting posture, “curved first joint” and “general” in the category of hand position, “5-finger pattern” in the category of scale, “RH only”, “LH only” and “move freely” in the category of hand coordination.

The reasons we added the above elements in the framework was because our study focuses on the technique elements for the young beginner, and it is important for the young beginner to understand a proper sitting postures and good hand position, including the feet flat on floor and specifically curved the first joint of finger. Since

young beginner usually could not play hands together at the beginning stage of learning, it is important to learn to play hand individually and develop the ability to move the hands freely. In the teaching of scale, “5 finger pattern” is a good start when the movement of crossing the thumb under fingers has not been developed. “General” was added in the categories of sitting posture and of hand position for cases in which the method books introduce good sitting posture or good hand position without specially introducing any technique elements stated in the framework. “Listening skill (use of ear)” was added since “technique” (as defined in chapter 1) is playing the piano by involving the entire body, the mind and the ears. We believed that adding these technique elements in the framework made it a better analysis tool to measure the technique elements in method book series. The modified chart is shown in table 5; the categories of technique elements for piano beginner students include relaxation, mind involvement, tone quality, position, basic movement, articulations, scale, pedaling and hand coordination. A detailed explanation and the definition of each category are presented in table 6.

Table 4

Summary of Technique Elements Stressed by Prominent Pedagogues

Technique elements	Bolton 1954	Last 1954, 1972	Booth 1971	Berstein 1977	Berstein 1991	Uszler, Gordon & Smith 2000	Baker- Jordan 2004
Relaxation	*	*	*				
Mind involvement	*		*				
Tone quality	*	*		*	*		
<i>Position</i>							
Sitting posture	Distance	*	*		*	*	
	Height	*	*		*	*	
	Sitting area				* 1/2bench		
	Sit straight	*				*	
	Shoulder free		*			*	
Hand position	Hand level	*					
	Wrist level				*		*
	Forearm level				*		*
	Elbow level						*
	Curved finger tips		*	*	*	*	*
	Arched hand			*	*	*	
	General						*
Use of fingers	2-4 finger pad		*			*	
	Thumb			*		*	*
	Fifth finger					*	*

<i>Basic Movement</i>								
Upper/ Forearm	Arm weight			*				
	Arm drop			*	*			*
	Forearm rotary	*				*		
	Forearm freedom		*					
	Finger tip support		*	*	*			
Wrist	Drop			*			*	*
	Roll					*	*	*
	Release			*			*	*
Finger activity	Lift up height			*not much				
	Close to keys							
	Independence	*						
	Fingering	*	*	*			*	*
Lateral movement							*	
<i>Articulations</i>								
Slur	2 or more notes slur		*	*		*		*
	General		*				*	
Staccato	Finger					*		*
	Wrist	*				*		*
	Forearm	*				*		*
	General	*	*				*	
Legato	Rotary					*		
	General		*			*		
Dynamics	Loud/soft (weight)							
	Loud/soft (speed)					*		
	Crescendo	*		*weight		*		
	Decrescendo	*		*weight		*		
	General						*	
Tenuto							*	
Phrasing	General	*	*			*	*	
Scale	Thumb crossing		*				*	
	Cluster							*
Pedaling			*				*	
Hand coordination	Balance			*				
	Together						*	
	Alternatively						*	
	Parallel motion						*	
	Contrary motion						*	

Table 5

Analytical Tool Template Showing the Modified List of Technique Elements

Name of method book		Page number (occurrence of technique indicated by *)						
Technique elements								
Relaxation								
Mind involvement								
Tone quality								
Listening skill (use of ears)								
<i>Position</i>								
Sitting posture	Distance							
	Height							
	Sitting area							
	Sit straight							
	Feet on floor/stool							
	Shoulder free							
Hand position	General							
	Hand level							
	Wrist level							
	Forearm level							
	Elbow level							
	Curved/Strong finger tips							
	Curved 1st joint							
	Arched/round hand							
	General							
Use of fingers	Finger pad							
	Thumb							
	Fifth finger							
<i>Basic Movement</i>								
Upper/ Forearm	Arm weight							
	Arm drop							
	Forearm rotary							
	Forearm freedom							
	Finger tip support							
Wrist	Drop							
	Roll							
	Release							
Finger activity	Lift up height							
	Close to keys							
	Independence							
	Fingering							
<i>Lateral movement</i>								
<i>Articulations</i>								
Slur	2 or more notes slur							
	General							
Staccato	Finger							
	Wrist							
	Forearm							
	General							
Legato	Rotary							
	General							
Dynamics	Loud/soft (weight)							
	Loud/soft (speed)							
	Crescendo							
	Decrescendo							
	General							
<i>Tenuto</i>								
Phrasing	General							
Scale	Thumb crossing							
	Cluster							
	5-finger pattern							
<i>Pedaling</i>								
Hand coordination	RH only							
	LH only							
	Balance							
	Move freely							
	Together							
	Alternatively							
	Parallel motion							
	Contrary motion							

Table 6

Definitions of Technique Elements

Category of technique elements	Definition
Relaxation	Any activity that develops a natural state with no physical restraint or a state of freedom (Last, 2006). It is not weakness, looseness and flabbiness, but a free movement with a balance of firmness on fingers and flexibility on moving parts of the playing mechanism. For instance, gently stretched fingers and slight forearm muscular contractions are viewed as natural and desirable as long as every part of human mechanism could respond elastically and sensitively to the flow of music (Berstein, 1991).
Mind involvement	Any activities that encourages student's intellectual work with concentration or with focus in making music or guides a student's awareness on what he or she is doing musically or technically. It involves the use of any part of body and the use of ears in playing music. For instance, to encourage student' mind involvement, a question before or after playing to remind students to focus on certain techniques or to evaluate whether certain techniques are being used.
Tone quality	Any activity that requires student to have a mental concept of a beautiful sound and get clearly in mind what contributes to good sound quality on a keyboard. The activity gives a student an awareness of physical sensitivity in exploring sound coloristic possibilities on the instrument and on the control over sound (Fraser, 2011).
Listening skill (use of ears)	The activity that requires student to use the ears actively to hear the sound he or she is making, such as the dynamic level, expression in sound and musical shaping.
Position	<p>The position includes the sitting posture, hand position and use of fingers.</p> <p>Sitting posture: the information such as how far to sit from the piano, the height of the seat with the upper arms hanging loosely, the level of forearm, wrist and hand. (Agay, 1981) For example, to sit on about 2/3 of the bench instead of 'the whole of the stool' with straight back without stiffness and rising shoulder. A foot stool is required to rest the feet on it if the student is too young and the feet do not reach the floor. The level of elbow and wrist should be paralleled with the white keys.</p> <p>Hand position: the activity requires a student to loosen and gently curve the fingertips and to leave the hands exactly the same shape as when hanging and this gives a normal arch shape (Fraser, 2011). A good hand position also involves the alignment of hand, wrist, forearm and elbow level as well. For instance, hands are slightly to very vault with palms down; they assume a shape as if lightly holding a small round object from above.</p> <p>Use of fingers: the information about which area of the finger should play the keys and how to use the fingers. For example, for the second, third and fourth finger, the fleshy part of fingertips should touch the keys but the nails should not touch the keys. The fifth finger remains almost straight or held its normally curved condition instead of striking with its side. For the thumb, most pianists have agreed that only a small part of the thumb should touch the key instead of use the whole thumb (McRobert, 1984).</p> <p>Remarks: The use of thumb had changed throughout the years. In Baroque period, the use of thumb was not common yet due to the key size and passing the thumb under the hand was difficult. The early fingering of thumb was used occasionally and the scalar passages of several notes in one hand would be played by alternating two fingers such as the fingering 12343434 was used. However, Johann Sebastian Bach and later his son C. P. E Bach with this famous treaty (Essay on the True Art of Playing Keyboard Instruments) were instrumental in establishing the thumb as a regular part of keyboard playing that the role of using the thumb in keyboard playing had expanded. By the time of the Classical period, as the pianoforte became more popular; the influence of the changes of keyboard size, key size and the use of different types of passages in keyboard writing had bought the use of thumb become popular and even become a common technical element. The use of thumb not only important in scale and arpeggio playing, but also important when playing double-notes, octaves, melodies, black keys, repeated note and glissando (McRobert, 1984). The agility in turning the thumb under the hand and crossing other finger over the thumb is beneficial before beginning the playing of scales (Bastien 1977).</p>

Basic movement	<p>The basic movement includes the use of upper/forearm, use of wrist, finger activity and lateral movement.</p> <p>Use of upper/forearm: any activity and consideration of upper arm and forearm in the production of sound, such as the arm weight, arm drop, resting weight, freedom in arm movement and forearm rotary.</p> <p>For example, the forearm rotary creates a series of small circular movement. Fraser (2011) states that the arm weight is not only the weight but also the activity involving the use of arm mass, appropriate muscle and bones in movement with the fingers and the whole body.</p> <p>Use of wrist: any activity or consideration of using the wrist to produce good sound such as the natural spring and flexibility of a loose wrist. For example, the wrist gentle drop and roll up with the rolling motion of the upper arm and the top of the hand. They move away or towards the body when the wrist glides up or down (Berstein, 1991) and to help leave the keys with gentle releasing without harsh tone.</p> <p>Finger activity: the movement of fingers either raising a finger high or close to the keys and the awareness of finger individuality or independence.</p>
Lateral movement	<p>The activity involved in legato playing that swing the elbow outward slightly and brings the arm up into a position to strike the next key.</p>
Articulation	<p>Articulations refer to performance technique related to the handling of slur and phrase, staccato, legato, dynamic and tenuto.</p> <p>Slur: the activity for group of 2 notes or more notes playing, which shows the sub-divisions of phrase. It includes technique such as wrist movement (drop, roll and release), legato playing and tonal shading.</p> <p>For example, when the slur passes from a strong to a weak beat or from a weak to a strong beat, the tempo and mood of music will be considered to determine the shading of tone such as the tone fades from the first to the second beat note (Last, 2009).</p> <p>*Remark: Historically, slurs were referring to a 2 notes articulation in the Baroque period; but the piano method books and technic books have extended the slur to 2 or more notes.</p> <p>Staccato: the activity of detached playing includes the finger staccato, wrist staccato and forearm staccato. This 'detach' playing is exactly the opposite of legato. Finger staccato refers to the independence in up and down action on the key surface. Wrist staccato refers the taut fingers lifting only slightly off the keys; the hand and forearm in stabilizing state for the spring of wrist. The forearm staccato refers to the arm and hand acted as one unit in playing the note short.</p> <p>Legato: the activity to produce the sounds jointed or bound together (Last, 1978). For example, the process involves the weight technique and finger technique as well as the weight to be pushed from one finger to another finger (Geseking & Leimer, 1972). According to Berstein (1991) and Fraser (2011), legato involves a continuous rotary motion or flowing circular motion that simply flowed from one note to another one with graceful quality of movement.</p> <p>Dynamic: the activity in controlling the volume of sound such as loud, soft, medium loud or medium soft, pp, p, mp, mf, f or ff; getting louder or softer, crescendo and decrescendo. For instance, the weight principle could be applied in dynamic control with arm weight or finger weight to produce a loud sound. Another principle is speed principle that the faster the speed pressing down the key, the louder sound will be obtained.</p> <p>Tenuto: a direction to hold note to its full value or longer value.</p>

Phrase	The Merriam Webster Dictionary defines phrase as “a short music thought typically two to four measures long closing with a cadence”. For example, according to Last (2009), phrase is as important as the punctuation used in speech and a musical composition is divided into phrases. “Good phrasing implies artistic and intelligent use of legato, staccato, pause, and slur, a sense of balance between varying parts, a feeling for tonal nuance, a sensitive judgment of tempo and rhythmic variation and an appreciation of the effects of pedaling”. (p.113)
Scale	Students are introduced to play the five-finger pattern as a start for scale playing. The scale playing involves the smooth movement of the thumb as it passes under the fingers and also involves the grouping of notes in cluster playing when thumb plays alone and other fingers play in block. Therefore, to play cluster is a way of scale learning. It also required good control of fingers to play the cluster with two or more notes simultaneously.
Pedaling	Any activity requiring the feet to control the sustained pedal.
Hand coordination	Any exercise that reinforces the physical control of hands such as free movement of hands, balance between right and left hand, play together or alternatively, play in parallel motion or contrary motion.

2.4 Procedure for Conducting the Content Analysis

The procedure for conducting the content analysis was divided into four phases as followed:

Phase I: Introduction of new technique elements

Phase II: Occurrence of technique elements

Phase III: Rate of introduction of new technique elements

Phase IV: Distribution of reinforced technique elements

(a) Occurrence of technique elements

(b) Categories of technique elements

(c) Technique elements categorized by type presentation of reinforcement

2.4.1 Phase I. Introduction of New Technique Elements

In this phase, the following information was collected for each method book page: the technique elements introduced, the type of presentation (how a new technique is introduced), and the categorization of a technique concept as enhancing the musical and/or biomechanical development in piano playing. The recurrence of technique

elements and how they reoccurred was also recorded. After the data table was populated the following parameters were calculated: the total number of pages analyzed, the total number and percentage of pages with new technique elements, the number and percentage of pages for each presentation, and the number and percentage of pages for each category of musical and/or biomechanical development.

The types of presentation were categorized as follows: explanation in words, analogy, cartoon drawing, photo or “other”. It was concluded that the “other” type of presentation could be further divided into four subcategories: (i) Activity without explanation. A concept introduced through the activity without explaining the purpose of the activity. For example, students are requested to play all black keys in groups of two and three on keyboard to enhance the technical ability of moving freely. (ii) Signs or notes on music without explanation. For example, the dynamic sign (*mf*) on music score without explaining the meaning of the sign and how to do it. (iii) Use of picture as guide. For example, the technique of five fingers position is introduced with a keyboard picture to indicate the notes to be played without explaining the formation. (iv) Direct instruction without explanation. For example, students are instructed to play with good hand position without explaining what a good hand position is. The technique elements that were categorized as “other” type of presentation were allocated into these four subcategories and entered into a separate data table. Appendix D provides the mentioned data collected in all eleven method series and appendix E provides a reference list of technique elements categorized by musical and/or biomechanical aspects.

2.4.2 Phase II. Occurrence of Technique Elements

In Phase I data relating to technique elements was tabulated on a page by page basis. Phase II was essentially a restructuring of that data to present it in a format that

more clearly illustrates where (according to page number) a particular technique element is introduced and reoccurs, and which particular technique elements are not included at all. When a technique element was introduced in a method book but not listed in the framework, the element was recorded under the section of “Not in framework”. After the table was populated, the following parameters were calculated: the number of technique elements introduced on a particular page, the number and percentage of pages with occurrence of each technique element as well as its category (musical and/or biomechanical), and the total number of technique elements (not including recurrences). Appendix F illustrates the above mentioned data collection of all eighteenth method books analyzed.

2.4.3 Phase III. Rate of Introduction of New Technique Elements

The data collected in Phases I and II included the number of new technique elements introduced on a page by page basis. In Phase III, this data was extracted and used to calculate a technique element teaching pace for each method.

2.4.4 Phase IV. Distribution of reinforced technique elements

2.4.4 (a) Occurrence of technique elements

In addition to showing the new technique elements introduced page by page, the table from Phase I and II also show the reinforcement of these technique elements. In Phase IV, the five most frequently occurring technique elements and the five least frequently occurring technique elements were extracted from those tables, in order to highlight what particular techniques the method books primarily focus on.

2.4.4 (b) Categories of technique elements

The second part of Phase IV involved summarizing the technique elements at a category level. All the technique elements were grouped into 22 categories of technique concepts (see Appendix G). In these 22 categories, the elements in the categories from 1 to 19 were found in the framework and the elements in the categories 20 to 22 were added into the framework as those elements were found after the studied of the eleven method books series. These 19 technique categories listed in framework were: (1) Relaxation. (2) Mind involvement. (3) Tone quality. (4) Listening skill. (5) Sitting posture. (6) Hand position (7) Use of fingers. (8) Upper/forearm movement. (9) Wrist movement. (10) Finger activity. (11) Lateral movement. (12) Slur. (13) Staccato. (14) Legato. (15) Dynamics & Tenuto (16) Phrasing. (17) Scale. (18) Pedaling. (19) Hand coordination. The other 3 categories were (20) Sensation. (21) Broken chord. (22) Arpeggio and each category included the occurrence (in terms of number and percentage of pages). The category of (20) Sensation is the training of awareness of the physical feeling or perception resulting from something that happened to the body and it is the ability to feel something physically especially by touching. The students were instructed to feel the weight on arm and eyes on music as found in the method books and these trainings were grouped in the category of sensation. The category of (21) Broken chord is the training of playing a chord in which the notes are played successively within a range of five fingers position. The category of (22) Arpeggio is the training of playing the chord notes in a rising or descending order with a span of one or more than one octave.

2.4.4 (c) Technique elements categorized by type of presentation of reinforcement

The reinforced technique elements found on a particular page and the type of reinforcement were collected in phase I on a page by page basis. In Phase IV, the total occurrence (in term of number of pages and percent of pages) for each technique element was extracted and recorded in a table. Detail information is provided in Appendix H. it shows the occurrence of elements under different type of presentation.

2.5 Procedure for conducting the comparative analysis

The comparative analysis was divided into four phases: Phase I is the comparison for the first 10 pages of each lesson book or integrated core book and technique book of eleven method books series to understand the kinds of technique elements covered in the first couple lessons. As some of the some of the method books without the division of unit or chapter, the first 10 pages of each method series were selected for comparison. Phase II, III and IV are the comparison for the first 40 pages of each lesson or integrated core book and the total number of pages in technique book. As the number of pages in lesson books or integrated core books and technique books were ranging from 22 pages to 77 pages and the minimum number of pages in lesson was 42 pages, the first 40 pages were selected for comparison in these three phases. The process of comparative analysis as followed:

Phase I: First 10 pages - Introduction of new technique elements

- a. Number of new technique elements introduced
- b. The categories of the new technique elements

Phase II: First 40 pages - Introduction of new technique elements

- a. Number of pages containing new technique elements
- b. The types of presentation.

Phase III: First 40 pages - Distribution of new technique elements

- a. The pace of technique elements introduced
- b. Category of musical and biomechanical development by the new technique elements.

Phase IV: First 40 pages - Distribution of reinforced technique elements

- a. Occurrence of reinforced technique elements.
- b. Categories of reinforced technique elements.
- c. Category of musical and biomechanical development by the technique elements reinforced.
- d. Methods of reinforcement.

2.5.1 Phase I: First 10 pages - Introduction of new technique elements

In this phase, the first 10 pages of each method book series were analyzed for two parameters: the number of new technique introduced and the categories of new technique elements. The number of new technique elements introduced is a summary chart displaying the total number of technique elements introduced and the total number of occurrence of all the technique elements in the first 10 pages of lesson books or integrated core books and technique books of the eleven method books series analyzed. The number of technique elements introduced and the number of occurrence of all the technique elements was completed for the content analysis of each individual method book, however, this section combined the information for all the method books in one chart for comparison. The categories of the new technique elements summarize the new

technique element by categories. The technique categories were the same as those used in the content analysis.

2.5.2 Phase II: First 40 pages - Introduction of new technique elements

In Phase II, the first 40 pages of method books or integrated core books and the total number of pages in technique books were analyzed for two parameters: the number of pages containing new technique elements and the type of presentations. The number of pages containing new technique elements is a summary chart displaying the number of pages containing new technique elements introduced in eleven method books series.

While the number of pages of new technique elements in each individual method book has been studied in the content analysis, this section considers the same number of for each method book such that comparisons can be made among all the method books. The types of presentation are summary charts displaying the number of pages of new technique elements introduced and the breakdown of types of presentation: 1.

Explanation in words. 2. Analogy. 3. Cartoon drawings. 4. “other”.

2.5.3 Phase III: First 40 pages - Distribution of new technique elements

In Phase III, the first 40 pages of method books, integrated core books and all pages in technique books were analyzed for two parameters: the rate of introduction of new technique elements and the categorization of musical and /or biomechanical development. The rate of introduction of new technique elements includes a chart displaying the frequency of pages containing one or more new technique elements. This analysis was done for each method book in the content analysis; however the same analysis done for the first 40 pages of each book allows for comparison of all of the method books in the same chart. The categorization of musical and/or biomechanical

development enables us to compare level of emphasis on musical or biomechanical enhancement among the method books. (See Appendix F for detail page by page data.)

2.5.4 Phase IV: First 40 pages - Distribution of reinforced technique elements

In Phase IV, the first 40 pages of method books, integrated core books and the total number of pages in technique books were analyzed for four parameters. The first parameter: occurrence of reinforced technique elements is a summary chart displaying a total number of technique elements reinforced, including the elements listed in the framework as well as ones not listed in the framework. This division provides the information of all the method books in one chart for comparison.

The second parameter “Categories of reinforced technique elements” presents all the technique elements reinforced in each method book including the elements listed in the framework and the ones not listed in the framework, all grouped into 22 categories (See Appendix G: the grouping of technique elements into categories). The tables display the total number of occurrence of all the technique elements and the occurrence of the technique elements reinforced of specific technique category and its percentage to the total number of technique elements occurrences. (See Appendix I)

The third parameter categorization of musical and/or biomechanical development presents charts displaying the total number of technique element occurrences and the percentage of the elements enhancing the musical development and biomechanical development in piano playing. (See Appendix J)

The fourth parameter method of reinforcement is a summary table displaying all the types of presentation used in reinforcing the technique elements. The types of presentation include: activity which is indirectly reinforced the technique elements, written instruction which is directly reinforced specific technique concept, signs on

music without explanation, use of pictures, use of questions, checklist to remind student and instructions under descriptive title such as practice journal/plan/step/direction, work out information, technique tool, technique tips, etude, technique quiz, musical fitness plan, musical fitness plan with warm up, daily exercise, finger check, discovery, technique secret, artistry magic, and instructions by cartoon characters such as Bobo and Chip.

Chapter 3

Data Analysis

3.1 Content Analysis: Individual Method book

Eleven method series (18 books in total when including the technique supplementary material) were investigated and the order of presentation was done according to the name of the method books in alphabetical order. The data presentation and data analysis is organized by Phase, from I to IV. In Phase I, the information on the technique concepts introduced on a particular page, the type of presentation of a new concept (explanation in words, analogy, cartoon drawing, photo or “other” type) and the identification of technique concept as enhancing the musical and/or biomechanical development in piano playing are presented. In phase II, the new technique elements introduced and the technique elements reoccurring on a particular page are put in a table format with a list of technique elements to see what technique elements in the framework were introduced or omitted in the method book. Phase III involved calculation that reflect the teaching pace of the technique element introduced in method books. In phase IV, the five most frequently occurring technique elements and the five least frequently occurring technique elements are identified. In this phase, all the technique elements were also grouped into 22 categories of technique concepts. Also, in this phase, the technique elements are summarized according to their types of presentation.

A. Alfred's Basic Piano Library Lesson 1A (1981)

3.1.1 Phase I. Introduction of New Technique Elements

Table 7a shows the number of new technique concepts introduced, the type of presentation of new concepts and identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detail table with page by page data.

Table 7a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Alfred's Basic Piano Library Lesson 1A)

Alfred's Basic Piano Library Lesson 1A (1981)			
		No. of pages	% of pages with new technique elements
Number of pages analyzed		59	
Pages containing new technique elements		15 (with 29 elements)	
Type of presentation	Explanation in words	8	53%
	Analogy	2	13%
	Cartoon	5	33%
	Photo	0	0%
	Other	8	53%
Category	Musical development	9	60%
	Biomechanical development	12	80%

There are a total of 59 pages analyzed in this method book and a total of 15 pages where new technique elements are introduced. There is slightly more emphasis on biomechanical development (80% of the pages containing new techniques) as compared to musical development (60%).

The most commonly used types of presentation are explanation in words and other. The type of presentation identified as “other” was further broken down as shown in table 7b.

Table 7b

Occurrences of New Techniques Using “Other” Type of Presentation (Alfred’s Basic Piano Library Lesson 1A)

Alfred's Basic Piano Library Lesson 1A (1981)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Pages containing “other” type of presentation		Pages (number and percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
15	9	8	53%	2	13%	3	20%	2	13%	2	13%

“Signs/notes on music without explanation” is the most commonly used of the “other” subcategories, however there is not a significant difference in their frequency of use for introducing new concepts.

3.1.2 Phase II. Occurrence of Technique Elements

Table 7c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detailed table with page by page data.

Table 7c

Occurrences and Recurrences of all Technique Elements (Alfred's Basic Piano Library Lesson 1A)

Alfred's Basic Piano Library Lesson 1A (1981)					
		Pages containing technique element		Total occurrence (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation					
Mind involvement		2	3%	2	2
Tone quality					
Listening skill		5	8%	5	
<i>Position</i>					
Sitting posture	Distance				
	Height	1	2%		1
	Sitting area				
	Sit tall/straight	1	2%		1
	Feet on floor/stool	1	2%		1
	Shoulder free				
Hand position	Hand level				
	Wrist level				
	Forearm level				
	Elbow level				
	Curved finger tips	1	2%		1
	Arched hand				
	General				
Use of fingers	Finger pad				
	Thumb				
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong				
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering	3	5%		3
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur	10	17%	10	10
	General	1	2%	1	1
Staccato	Finger				
	Wrist				
	Forearm				

	General				
Legato	Rotary				
	General	2	3%	2	2
Dynamics	Loud/soft (weight)	43	73%	43	43
	Loud/Soft (speed)				
	Crescendo	3	5%	3	3
	Decrescendo	4	7%	4	4
	General				
Tenuto					
Phrasing	General	14	24%	14	
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern	13	22%		13
Pedaling					
Hand coordination	RH only	6	10%		6
	LH only	8	14%		8
	Balance	2	3%		2
	Together	12	20%		12
	Alternatively	35	59%		35
	Parallel motion				
	Contrary motion				
	Move freely	7	12%		7
Not in framework	Arm hang loosely	1	2%		1
	Bench face piano squarely	1	2%		1
	Tone production	1	2%		1
	2 notes together	8	14%		8
Number of technique elements*		187		86	160
Category as percent of total technique elements				46%	85%
Total no. of technique elements (not including recurrences)		26		10	25

*does not count the recurrence of the same technique element within the same page

A total of 26 technique elements are introduced in this method book. Of those, 22 elements are listed in the framework and 4 elements not. 85% of the technique elements enhance the biomechanical development in piano playing and less than half (46%) of the technique elements enhance the musical development in piano playing. Two technique elements are most prevalent: dynamics and hand coordination. There are 38 technique elements omitted in this method book.

3.1.3 Phase III. Rate of Introduction of New Technique

Table 7d shows the rate at which new technique elements are introduced in the method book.

Table 7d

Frequency of New Technique Elements Introduced (Alfred's Basic Piano Library Lesson 1A)

Alfred's Basic Piano Library Lesson 1A (1981)	
	No. of pages
Total number of pages	59
Pages with new technique elements	15
Ratio of total pages to pages with new technique elements	3.9
Total number of technique elements: 26	

In this method book, there is a page with one or more new technique elements on average every 3.9 pages. There are 15 pages containing 26 new elements. On average there are 1.7 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Concepts

3.1.4 (a) Occurrence of technique elements

In table 7e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented.

Table 7e

Most Frequently and Least Frequently Occurring Technique Elements (Alfred's Basic Piano Library Lesson 1A)

Alfred's Basic Piano Library Lesson 1A (1981)			
Technique elements		Total Occurrence	
		Pages	Percent of total pages
Five most frequently occurring elements			
Dynamics	Loud/soft (weight)	43	73%
Hand coordination	Alternatively	35	59%
Phrasing	General	14	24%
Scale	5 finger pattern	13	22%
Slur	2 or more notes slur	10	17%

Five least occurring elements			
Sitting Posture	Height	1	2%
	Sit tall/straight	1	2%
	Feet on floor/stool	1	2%
Hand position	Curved finger tips	1	2%
Technique elements not listed in framework			
Relaxation	Arm hang loosely	1	2%
Sitting posture	Bench face piano squarely	1	2%
Tone quality	Tone production	1	2%

The most frequently occurring technique is loud and soft control with weight principle in the category of dynamics; it occurs on 43 pages or 73% of the total number of pages analyzed in book. The second most frequently occurring technique is hands playing alternatively. It occurs on 35 pages or 59% of the total number of pages analyzed. The third most frequent technique is phrasing, the frequency is dropping to 14 pages or 24% of the total number of pages analyzed. The fourth and fifth most frequent techniques are the five-finger pattern of scale playing repeated on 13 pages and the 2 or more notes slur repeated on 10 pages with 22% and 17% of the total number of page analyzed respectively. There are 7 technique elements that only occurred once and never repeated again.

3.1.4 (b) Categories of technique elements

In Table 7f, all the technique elements are grouped into categories of technique concepts.

Table 7f

Techniques Summarized by Category (Alfred's Basic Piano Library Lesson 1A)

Alfred's Basic Piano Library Lesson 1A (1981)					
Category of technique listed in framework	Occurrences (No. of pages)	Percentage*	Category of technique listed in framework	Occurrences (No. of pages)	Percentage*
Relaxation	0	0%	Lateral movement	0	0%
Mind involvement	2	1%	Slur	11	6%
Tone quality	1	0.5%	Staccato	2	1%
Listening skill	5	3%	Legato	2	1%
Sitting posture	4	1%	Dynamics & Tenuto	50	27%
Hand position	1	0.5%	Phrasing	14	7%
Use of fingers	0	0%	Scale	13	7%
Upper/forearm movement	1	0.5%	Pedaling	0	0%
Wrist movement	0	0%	Hand coordination	70	37%
Finger activity	12	6%			
Category of technique not listed in framework					
Sensation	0	0%	Arpeggio	0	0%
Broken chord	0	0%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hand coordination with 37% of all technique element occurrences. The other most prevalent categories are dynamics and tenuto (27%) and phrasing (7%) and scale playing (7%). Five categories with the technique elements listed in the framework are omitted in this method book.

3.1.4 (c) Technique Elements Categorized by Type of Presentation of Reinforcement

In table 7g, the technique elements with their type of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 7g

Type of Presentation of Reinforcement (Alfred's Basic Piano Library Lesson 1A)

Alfred Basic Piano Library Level 1A (1981)				
Types of presentation of reinforcement	Activity	Written instruction	Signs/notes written on music	Use of picture
	Technique elements	Technique elements	Technique elements	Technique elements
	Move freely	RH only, LH only,	Hands play alternatively	Five finger position
	Fingering,	Dynamics (p & f)	LH only	
	Mind involvement	Five fingers position	RH only	
		Listening skill	Dynamics (p, f, mf)	
		Hand balance	Phrasing	
			2 or more notes slur	
			2 notes together	
			Hands play together	
			Legato	
			Crescendo, Diminuendo,	
			Staccato	
			5 fingers position	
No. of pages	7	8	49	8
Percent of total pages (59)	12%	14%	83%	14%

The most frequent type of presentation to reinforce technique concepts is signs/note written on music with 83% of the total number of page. It is used to enhance the technique in the following categories: hand coordination (right hand and left hand only, hands play alternatively and together), dynamics (f, p, mf, crescendo and decrescendo), slur, phrasing, staccato and legato, finger activity, and scale playing. The other types of presentation (activity, written instruction and use of picture) are used about the same amount.

B. Alfred's Basic Piano Library Technique 1A (1981)

3.1.1 Phase I. Introduction of New Elements

Table 8a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 8a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Alfred's Basic Piano Library Technique 1A)

Alfred's Basic Piano Library Technique 1A (1981)			
		No. of pages	% of pages with new technique elements
Total number of pages		22	
Pages containing new technique elements		10 (with 17 elements)	
Type of presentation	Explanation in words	1	10%
	Analogy	0	0%
	Cartoon	2	20%
	Photo	0	0%
	Other	10	10%
Category	Musical development	5	50%
	Biomechanical development	10	100%

There are a total of 22 pages analyzed in this method book and a total of 10 pages where new technique elements are introduced. There is more emphasis on biomechanical development (100% of pages containing new techniques) as compared to musical development (50%).

The most commonly used type of presentation is “other”, which was further broken down as shown in table 8b.

Table 8b

Occurrences of New Technique Using “Other” Type of Presentation (Alfred’s Basic Piano Library Technique 1A)

Alfred's Basic Piano Library Technique 1A (1981)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Page containing “other” type of presentation		Pages (number and percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
10	17	10	100%	2	20%	5	50%	1	10%	3	30%

“Sign/notes on music without explanation” is the most commonly used of the “other” subcategories.

3.1.2 Phase II. Occurrence of Technique Elements

Table 8c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detailed table with page by page data.

Table 8c

Occurrences and Recurrences of All Technique Elements (Alfred's Basic Piano Library Technique 1A)

Alfred's Basic Piano Library Technique 1A (1981)					
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of Page	Percent of pages	Musical	Bio-mechanical
Relaxation					
Mind involvement					
Tone quality					
Listening skill					
<i>Position</i>					
Sitting posture	Distance				
	Height				
	Sitting area				
	Sit tall/straight				
	Feet on floor/stool				
	Shoulder free				
Hand position	Hand level				
	Wrist level				
	Forearm level				
	Elbow level				
	Curved finger tips				
	Arched hand				
	General				
Use of fingers	Finger pad				
	Thumb				
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong				
Wrist	Drop				
	Roll	1	5%		1
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence	1	5%		1
	Fingering				
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur	8	36%	8	8
	General				
Staccato	Finger				
	Wrist				
	Forearm				
	General	3	14%	3	3
Legato	Rotary				

	General	1	5%	1	1
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo	4	18%	4	4
	Decrescendo	4	18%	4	4
	General	20	91%	20	20
Tenuto					
Phrasing	General	9	41%	9	
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern	6	27%		6
Pedaling					
Hand coordination	RH only	12	55%		12
	LH only	12	55%		12
	Balance				
	Together	11	50%		11
	Alternatively	10	45%		10
	Parallel motion				
	Contrary motion				
	Move freely	2	9%		2
Not in framework	2 notes together	8	36%		8
	Repeated note	2	9%	2	2
Number of technique elements*		114		58	105
Category as percent of total technique element				51%	92%
Total no. of technique elements (not including recurrences)		17		9	17

*does not count the recurrence of the same technique element within the same page

A total of 17 technique elements are introduced in this method book. Of those, 15 elements listed in the framework and 2 elements not. 92% of the total technique elements enhance the biomechanical development in piano playing and approximately half (51%) of the technique elements enhance the musical development in piano playing. Two categories of technique elements are most prevalent: dynamics and hand coordination. There are 45 technique elements omitted in this method book.

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 8d shows the rate at which new technique elements are introduced in the method book.

Table 8d

Frequency of New Technique Elements Introduced (Alfred's Basic Piano Library Technique 1A)

Alfred's Basic Piano Library Technique 1A (1981)	
	No. of pages
Total number of pages	22
Pages with new technique elements	10
Ratio of total pages to pages with new technique elements	2.2
Total number of technique elements: 17	

In this method book, there is a page with one or more new technique elements on average every 2.2 pages. There are 22 pages containing 17 elements. On average there are 1.7 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Concepts

3.1.4 (a) Occurrence of technique elements

In table 8e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented.

Table 8e

Most Frequently and Least Frequently Occurring Technique Elements (Alfred's Basic Piano Library Technique 1A)

Alfred's Basic Piano Library Technique 1A (1981)			
Technique elements		Total Occurrence	
		Pages	Percent of total pages
Five most frequently occurring elements			
Dynamics	General	20	91%
Hand coordination	RH only	12	55%
	LH only	12	55%
	Together	11	50%
Slur	2 or more notes slur	8	36%
Technique elements not listed in framework	2 notes together	8	36%
Five least occurring elements			

Wrist	Roll	1	5%
Finger activity	Independence	1	5%
Legato	General	1	5%
Hand coordination	Move freely	2	9%
Staccato	General	3	14%

The most frequently occurring technique element is dynamics (general) control; it occurs on 20 pages or 91% of the total number of pages analyzed in this book. The second and the third most frequently occurring technique are right hand only and left hand only in the category of hand coordination, they both with eight pages less than the most frequently occurring technique elements (12pages) or 55% of the total number of pages analyzed. The fourth most frequently occurring elements is hands playing together, it occurs on 11 pages or 50% of the total number of pages analyzed. The fifth most frequently techniques are 2 or more notes slur and 2 notes play together, they repeated on 8 pages or 36% of the total number of page analyzed. There are 3 technique elements only occurring once and never repeated again.

3.1.4 (b) Categories of technique elements

In table 8f, all the technique elements are grouped into categories of technique concepts.

Table 8f

Techniques Summarized by Category (Alfred's Basic Piano Library Technique 1A)

Alfred's Basic Piano Library Technique 1A (1981)					
Category of technique listed in framework	Occurrences	Percentage*	Category of technique listed in framework	Occurrences	Percentage*
Relaxation	0	0%	Lateral movement	0	0%
Mind involvement	0	0%	Slur	8	7%
Tone quality	0	0%	Staccato	3	3%
Listening skill	0	0%	Legato	1	1%
Sitting posture	0	0%	Dynamics & Tenuto	28	25%
Hand position	0	0%	Phrasing	9	8%

Use of fingers	0	0%	Scale	6	5%
Upper/forearm movement	0	0%	Pedaling	0	0%
Wrist movement	1	1%	Hand coordination	47	41%
Finger activity	11	10%			
Category of technique not listed in framework					
Sensation	0	0%	Arpeggio	0	0%
Broken chord	0	0%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hand coordination with 41% all technique elements occurrence. The other most prevalent categories are dynamics and tenuto control (25%), finger activity (10%). There are 10 categories with the elements listed in the framework that are omitted in this book.

3.1.4 (c) Technique Elements Categorized by Types of Presentation of Reinforcement

In table 8g, the technique elements with their type of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 8g

Type of Presentation of Reinforcement (Alfred's Basic Piano Library Technique 1A)

Alfred Basic Piano Library Technique 1A (1981)			
Types of presentation of reinforcement	Activity	Signs/notes written on music	Use of picture
	Technique elements	Technique elements	Technique elements
	Move freely	Dynamics (mf, p, f)	Five finger position
		Rh only, LH only	
		Hands together	
		2 or more notes slur	
		Five finger position	
		Phrasing	
		2 notes together	

		Hands play alternative	
		Crescendo, Diminuendo	
		Staccato	
No. of page	1	21	1
Percent of total pages (22)	5%	95%	5%

The most frequent type of presentation to reinforce technique concepts is signs/note written on music with 95% of the total number of pages. It is used to enhance the technique in the following categories: hand coordination (right hand and left hand only, hands play together and hands play alternatively), dynamics (p, mf, f, crescendo and diminuendo), slur, phrasing, staccato and five fingers position in scale playing. The other two types of presentation are used on just 5% of the pages.

C. Alfred's Premier Piano Course Lesson 1A (2005)

3.1.1 Phase I: Introduction of New Technique Elements

Table 9a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 9a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Alfred's Premier Piano Course Lesson 1A)

Alfred's Premier Piano Course Lesson 1A (2005)			
		No. of pages	% of pages with new technique elements
Total number of pages		60	
Pages containing new technique elements		14 (with 32 elements)	
Type of presentation	Explanation in words	6	43%
	Analogy	2	14%
	Cartoon	6	43%

	Photo	0	0%
	Other	10	71%
Category	Musical development	7	50%
	Biomechanical development	13	93%

There are a total of 60 pages analyzed in this method book and a total of 14 pages where new technique elements are introduced. There is more emphasis on biomechanical development (93% of pages containing new techniques) as compared to musical development (50%).

The most commonly used type of presentation is “other”, which was further broken down as shown in table 9b.

Table 9b

Occurrences of New Techniques Using “Other” Type of Presentation (Alfred’s Premier Piano Course Lesson 1A)

Alfred’s Premier Piano Course Lesson 1A (2005)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Page containing “other” type of presentation		Page (number and percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
14	13	11	79%	1	7%	5	36%	1	7%	6	43%

“Direct instruction without explanation” is the most commonly used of the “other” subcategories.

3.1.2 Phase II. Occurrence of Technique Elements

Table 9c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as

well which are completely omitted in the method book. See appendix F for the detailed table with page by page data.

Table 9c

Occurrence and Recurrences of all Technique Elements (Alfred's Premier Piano Course Lesson 1A)

Alfred's Premier Piano Course Lesson 1A (2005)					
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation		1	2%		1
Mind involvement		6	10%	6	6
Tone quality					
Listening skill					
<i>Position</i>					
Sitting posture	Distance	1	2%		1
	Height	1	2%		1
	Sitting area	1	2%		1
	Sit tall/straight	2	3%		2
	Feet on floor/stool	1	2%		1
	Shoulder free	2	3%		2
Hand position	Hand level	4	7%		4
	Wrist level	4	7%		4
	Forearm level	1	2%		1
	Elbow level	1	2%		1
	Curved finger tips				
	Arched hand	4	7%		4
	General	1	2%		1
Use of fingers	Finger pad	3	5%		3
	Thumb	3	5%		3
	Fifth finger	2	3%		2
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong				
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering	7	12%		7
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General				

Staccato	Finger				
	Wrist				
	Forearm				
	General				
Legato	Rotary				
	General				
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo	5	8%	5	5
	Decrescendo	3	5%	3	3
	General	51	85%	51	51
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern	2	3%		2
Pedaling					
Hand coordination	RH only	13	22%		13
	LH only	17	28%		17
	Balance				
	Together	2	3%		2
	Alternatively	37	62%		37
	Parallel motion				
	Contrary motion				
	Move freely	12	20%		12
Not in framework	Arms hang loosely	2	3%		2
	Hand relaxed	1	2%		1
	2 notes together	4	7%		4
	Firm 1st joint on finger	1	2%		1
Number of technique elements*		201		71	195
Category as percent of total technique elements				35%	97%
Total no. of technique elements (not including recurrences)		32		5	31

* does not count the recurrence of the same technique element within the same page

A total of 32 technique elements are introduced in this method book. Of those, 28 elements listed in the framework and 4 elements not. 97% of the technique elements enhance the biomechanical development in piano playing and nearly one third (35%) of technique elements enhance the musical development in piano playing. Two categories of technique elements are most prevalent: dynamics and hand coordination. There are 32 technique elements omitted in this method book.

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 9d shows the rate at which new technique elements are introduced in the method book.

Table 9d

Frequency of New Technique Elements Introduced (Alfred's Premier Piano Course Lesson 1A)

Alfred's Premier Piano Course Lesson 1A (2005)	
	No. of pages
Total number of pages	60
Pages with new technique elements	14
Ratio of total pages to pages with new technique elements	4.3
Total number of technique elements: 32	

In this method book, there is a page with one or more new technique elements on average every 4.3 pages. There are 14 pages containing 32 new elements. On average there are 2.3 new technique elements per page that contains new techniques.

3.1.4 Phase IV: Distribution of Reinforced Technique Elements

3.1.4 (a) Occurrence of technique elements

In table 9e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented.

Table 9e

Most Frequently and Least Frequently Occurring Technique Elements (Alfred's Premier Piano Course Lesson 1A)

Alfred's Premier Piano Course Lesson 1A (2005)			
Technique elements		Total occurrence	
		Pages	Percent of total pages
Five most frequently occurred elements			
Dynamics	General	51	85%

Hand coordination	Alternatively	37	62%
	LH only	17	28%
	RH only	13	22%
	Move freely	12	20%
Five least occurred elements			
Relaxation		1	2%
Sitting posture	Distance	1	2%
	Height	1	2%
	Sitting area	1	2%
	Feet on floor/stool	1	2%
Hand position	Forearm level	1	2%
	Elbow level	1	2%
	General	1	2%
Technique elements not listed in framework			
Relaxation	Hand relaxed	1	2%
Hand position	Firm 1st joint on finger	1	2%

The most frequently occurring technique element is dynamics general control; it occurs on 51 pages or 85% of the total number of pages analyzed in this book. The second most frequently occurring technique is hands play alternatively. It occurs on 37 pages or 62% of the total number of pages analyzed. The third most frequent technique is left hand only, it is repeated on 17 pages or 28% of the total number of pages analyzed. The fourth and the fifth most frequently occurring elements are right hand only repeated on 13 pages and hands move freely repeated on 12 pages with 22% and 20% of the total number of pages analyzed respectively. There are 10 technique elements only occurring once and never repeated again.

3.1.4 (b) Categories of technique elements

In table 9f, all the technique elements are grouped into categories of technique concepts.

Table 9f

Technique Summarized by Category (Alfred's Premier Piano Course Lesson 1A)

Alfred's Premier Piano Course Lesson 1A (2005)					
Category of technique listed in framework	Occurrences	Percentage*	Category of technique listed in framework	Occurrences	Percentage*
Relaxation	2	1%	Lateral movement	0	0%
Mind involvement	6	3%	Slur	0	0%
Tone quality	0	0%	Staccato	0	0%
Listening skill	0	0%	Legato	0	0%
Sitting posture	8	4%	Dynamics & Tenuto	59	30%
Hand position	16	8%	Phrasing	0	0%
Use of fingers	8	4%	Scale	2	1%
Upper/forearm movement	2	1%	Pedaling	6	3%
Wrist movement	0	0%	Hand coordination	81	40%
Finger activity	11	5%			
Category of technique not listed in framework					
Sensation	0	0%	Arpeggio	0	0%
Broken chord	0	0%			

* Percent of total number of occurrence

The highest occurrence rate is in the category of hand coordination with 40% of all technique elements occurrences. The other most prevalent category is dynamics and tenuto (30%), hand position (8%) and finger activity (5%) are slightly emphasized. Eight categories with technique elements listed in the framework are omitted in this book.

3.1.4 (c) Technique Elements Categorized by Type Presentation of Reinforcement

In table 9g, the technique elements with their type of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 9g

Type of Presentation of Reinforcement (Alfred's Premier Piano Course Lesson 1A)

Alfred's Premier Piano Course Lesson 1A (2005)								
Types of presentation of reinforcement	Activity	Written instruction	Signs/notes written on music	Use of picture	Checklist remind student	Practice journal	Workout information	Question
	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements
	Move freely	LH only	Hands play alternatively	Five finger position	Arms hand loosely	Fingering	Round hand position,	Mind involvement
	Mind involvement	RH only	Dynamics (f, mf, p)	Firm 1st joint on finger	Mind involvement	Mind involvement	Head/shoulder relax	
		Gradually louder	LH only				Move freely	
		Gradually softer	RH only				Hand level	
		Pedaling	Gradually softer				Finger pad	
		Rounded hand position	2 notes together				Firm 1st joint on finger	
		Dynamic loud	Fingering				Sit tall	
							Wrist level	
							Use of thumb	
							Use of 5th finger	
No. of page	9	16	50	2	1	4	7	2
Percent of total pages (60)	15%	27%	83%	3%	2%	7%	12%	3%

The most frequent type of presentation to reinforce the technique elements is signs/note written on music with 83% of the total number of pages. It is used to enhance the technique in the following categories: hand coordination (hands play alternatively, right hand only and left hand only), dynamics (f, mf and p and gradually softer), finger activity (fingering and 2 notes together). The second most frequent type

of presentation used to reinforce the technique elements is written instruction with 27% of the total number of pages. Activity and workout information are used in 15% and 12% of the pages respectively. The remaining types of presentation are all used on less than 10% of the pages.

D. Alfred's Premier Piano Course Technique 1A (2005)

3.1.1 Phase I. Introduction of New Technique Elements

Table 10a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 10a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Alfred's Premier Piano Course Technique 1A)

Alfred's Premier Piano Course Technique 1A (2005)			
		No. of pages	% of pages with new technique elements
Total number of pages		29	
Pages containing new technique elements		12 (with 14 elements)	
Type of presentation	Explanation in words	9	75%
	Analogy	2	17%
	Cartoon	9	75%
	Photo	0	0%
	Other	5	42%
Category	Musical development	7	58%
	Biomechanical development	12	100%

There are a total of 29 pages analyzed in this method book and a total of 12 pages where new technique elements are introduced. There is more emphasis on

biomechanical development (100% of pages containing new technique) as compared to musical development (58%).

The most commonly used types of presentation are explanation in words and cartoons. The type of presentation identified as “other” was further broken down as shown in table 10b.

Table 10b

Occurrences of New Technique Using “Other” Type of Presentation (Alfred’s Premier Piano Course Technique 1A)

Alfred’s Premier Piano Course Technique 1A (2005)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Page containing “other” type of presentation		Page (number and percent of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
12	7	5	53%	0	0%	4	33%	0	0%	2	17%

“Signs/Notes on music without explanation” is the most commonly used of the “other” subcategories, followed by “direct instruction without explanation”.

3.1.2 Phase II. Occurrence of Technique Elements

Table 10c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 10c

Occurrences and Recurrences of All Technique Elements (Alfred's Premier Piano Course Technique 1A)

Alfred's Premier Piano Course Technique 1A (2005)					
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of Pages	Percent of pages	Musical	Bio-mechanical
Relaxation		2	7%		2
Mind involvement		14	48%	14	14
Tone quality		4	14%	4	
Listening skill		5	17%	5	
<i>Position</i>					
Sitting posture	Distance	1	3%		1
	Height	1	3%		1
	Sitting area				
	Sit tall/straight	1	3%		1
	Feet on floor/stool				
	Shoulder free	2	7%		2
Hand position	Hand level				
	Wrist level	1	3%		1
	Forearm level				
	Elbow level				
	Curved finger tips	1	3%		1
	Arched hand	6	21%		6
	General	1	3%		1
Use of fingers	Finger pad	2	7%		2
	Thumb	3	10%		3
	Fifth finger	3	10%		3
<i>Basic Movement</i>					
Upper/forearm	Arm Weight	8	28%		8
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong	8	28%		6
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys	4	14%		4
	Independence	5	17%		5
	Fingering				
<i>Lateral movement</i>					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General				
Staccato	Finger				
	Wrist				
	Forearm				

	General				
Legato	Rotary				
	General				
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General	28	97%	28	28
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern				
Pedaling		3	10%	3	
Hand coordination	RH only	9	31%		9
	LH only	8	28%		8
	Balance	4	14%		4
	Together	1	3%		1
	Alternatively	16	55%		16
	Parallel motion				
	Contrary motion				
	Move freely	12	41%		12
Not in framework	Arm relax/Heavy	2	7%		2
	2 notes together	3	10%		3
	3 notes together	3	10%		3
	Finger weight	5	17%		5
	Balance weight (arm & finger)	1	3%		1
	Rotary (gentle hand rock)	3	10%		3
	Feel the weight	1	3%		1
Number of technique elements*		171		54	157
Category as percent of total technique elements				32%	92%
Total no. of technique elements (not including recurrences)		34		5	31

* does not count the recurrence of the same technique element within the same page

A total of 34 technique elements are introduced in this method book. Of those, 27 elements are listed in the framework and 7 elements not. 92% of the technique elements enhance the biomechanical development in piano playing and about one third (32%) of the technique elements enhance the musical development in piano playing. There are 33 technique elements omitted in this book.

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 10d shows the rate at which new technique elements are introduced in the method book.

Table 10d

Frequency of New Technique Elements Introduced (Alfred's Premier Piano Course Technique 1A)

Alfred's Premier Piano Course Technique 1A (2005)	
	No. of pages
Total number of pages	29
Pages with new technique elements	12
Ratio of total pages to pages with new technique elements	2.4
Total number of technique elements: 34	

In this method book, there is a page with one or more new technique elements on average every 2.4 pages. There are 12 pages containing 34 new elements. On average there are 2.8 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Elements

3.1.4 (a) Occurrence of technique elements

In table 10e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented

Table 10e

Most Frequently and Least Frequently Occurring Technique Elements (Alfred's Premier Piano Course Technique 1A)

Alfred's Premier Piano Course Technique 1A (2005)			
Technique elements		Total occurrence	
		Pages	Percent of total pages
Five most frequently occurred elements			
Dynamics	General	28	97%

Hand coordination	Alternatively	16	55%
Mind involvement		14	48%
Hand coordination	Move freely	12	41%
	RH only	9	31%
Five least occurred elements			
Sitting posture	Distance	1	3%
	Height	1	3%
	Sit tall/straight	1	3%
Hand position	Wrist level	1	3%
	Curved finger tips	1	3%
	General	1	3%
Hand coordination	Together	1	3%
Technique elements not listed in framework			
Upper/forearm	Balance weight (arm & finger)	1	3%
Sensation	Feel the weight	1	3%

The most frequent occurring technique element is the general control of dynamics; it occurs on 28 pages or 97% of the total number of pages analyzed in method book. The second most frequently occurring technique element is hands play alternatively. It occurs half amount of the most frequent occurring element (16 pages) or 55% of the total number of pages analyzed. The third most frequently occurring technique is mind involvement repeated on a total of 14 pages or 48% of the total number of pages analyzed. The fourth and fifth most frequently occurring technique are hands move freely repeated on a total of 12 pages and right hand only repeated on a total of 9 pages or 41% and 31 % of the total number of pages analyzed respectively. There are more than 5 technique elements occur one once and never repeated again.

3.1.4 (b) Categories of technique elements

In table 10f, all the technique elements are grouped into categories of technique concepts.

Table 10f

Techniques Summarized by Category (Alfred's Premier Piano Course Technique 1A)

Alfred's Premier Piano Course Technique 1A (2005)					
Category of technique listed in framework	Occurrences (No. of pages)	Percentage*	Category of technique listed in framework	Occurrences (No. of pages)	Percentage*
Relaxation	2	1%	Lateral movement	0	0%
Mind involvement	14	8%	Slur	0	0%
Tone quality	4	2%	Staccato	0	0%
Listening skill	5	3%	Legato	0	0%
Sitting posture	5	3%	Dynamics & Tenuto	28	16%
Hand position	9	5%	Phrasing	0	0%
Use of fingers	8	5%	Scale	0	0%
Upper/forearm movement	19	11%	Pedaling	3	2%
Wrist movement	3	2%	Hand coordination	50	29%
Finger activity	20	12%			
Category of technique not listed in framework					
Sensation	1	0.6%	Arpeggio	0	0%
Broken chord	0	0%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hand coordination with 29% of all technique element occurrences. The other most prevalent categories are dynamics and tenuto (16%), finger activity (12%) and upper/forearm movement (11%). Six categories with the technique elements listed in the framework are omitted in this method book.

3.1.4 (c) Technique elements categorized by method of reinforcement

In table 10g, the technique elements with their types of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 10g

Type of Presentation of Reinforcement (Alfred's Premier Piano Course Technique 1A)

Alfred's Premier Piano Course Technique 1A (2005)								
Types of presentation of reinforcement	Activity	Written instruction	Signs/notes written on music	Use of picture	Technique tool (written in a statement)	Technique Tip: statement to remind student	Etude statement remind student the technique	Technique Quiz (question to student)
	Technique element	Technique element	Technique element	Technique element	Technique element	Technique element	Technique element	Technique element
	Mind involvement	Strong fingertips	2 notes together	Round hand position	Relaxed shoulder	Arm weight	Finger weight	Mind involvement
	Hands play together	Listening skill	Dynamics (mf, f, mp, p)	Finger pad	Round hand position	Strong fingertips	Arm weight	Fingers activity
		Arm weight	3 notes together	Arm weight	Relaxed/heavy arm	Finger close to keys (repeated notes)		Rotary (gently rock)
			Hands play alternatively		Finger pad	Finger weight		Balance between hands
			LH only		Tone quality	Dynamic (mf, f, p)		
			Move freely		Move freely	Finger independence		
			Arm weight		Wrist level	Move freely		
			RH only		Finger weight	Round hand position/Arched hand		
					Arm weight	Use of thumb		
						Use of 5th finger		
No of page	8	6	25	1	6	14	1	6
Percent of total pages (29)	28%	21%	86%	3%	21%	48%	3%	21%

The most frequent type of presentation to reinforce technique concepts is signs/note written on music with 86% of the total number of pages. It is used to

enhance the technique in the following categories: hand coordination (right hand only, left hand only, hands play alternatively and free movement), dynamics (f, mf, mp and p), finger activity such (2 and 3 notes together), and upper/forearm movement (arm weight). The second most frequent type of presentation used to reinforce technique elements is using technique tip: statement to remind student with 48% of the total number of pages. The other types of presentation (activity, written instruction, technique tool and technique quiz) are used about the same amount.

E. Bastien Piano Basics Primer Lesson (1985)

3.1.1 Phase I. Introduction of New Technique Elements

Table 11a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 11a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Bastien Piano Basics Primer Lesson)

Bastien Piano Basics Primer Lesson (1985)			
		No. of pages	% of pages with new technique elements
Total number of pages		59	
Pages containing new technique elements		15 (with 21 elements)	
Type of presentation	Explanation in words	7	47%
	Analogy	1	6%
	Cartoon	5	31%
	Photo	0	0%
	Other	11	60%
Category	Musical development	5	33%
	Biomechanical development	15	100%

There are a total of 59 pages analyzed in this method book and a total of 15 pages where new technique elements are introduced. There is much emphasis on

biomechanical development (100% of the pages containing new techniques) as compared to musical development (33%).

The most commonly used types of presentation are other, explanation in words and cartoons. The type of presentation identified as “other” was further broken down as shown in table 11b.

Table 11b

Occurrences of New Technique Using “Other” Type of Presentation (Bastien Piano Basics Primer Lesson)

Bastien Piano Basics Primer Lesson (1985)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Page containing “other” type of presentation		Pages (number and percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
15	14	11	73%	1	7%	6	40%	3	20%	2	13%

“Sign/notes on music without explanation” is the most commonly used for the “other” subcategories.

3.1.2 Phase II. Occurrence of Technique Elements

Table 11c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 11c

Occurrence and Recurrences of all Technique Elements (Bastien Piano Basics Primer Lesson)

Bastien Piano Basics Primer Lesson (1985)					
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation					
Brain involvement					
Tone quality					
Listening skill					
<i>Position</i>					
Sitting posture	Distance				
	Height				
	Sitting area				
	Sit tall/straight	1	2%		1
	Feet on floor/stool	1	2%		1
	Shoulder free				
	Hand position				
Hand position	Hand level				
	Wrist level	1	2%		1
	Forearm level				
	Elbow level				
	Curved finger tips	1	2%		1
	Arched hand				
Use of fingers	General				
	Finger pad				
	Thumb				
	Fifth finger				
	<i>Basic Movement</i>				
	Upper/forearm	Arm Weight			
Arm drop					
Forearm rotary					
Forearm freedom					
Finger tip support/strong					
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering	4	7%		4
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General	1	2%	1	1
Staccato	Finger				
	Wrist				
	Forearm				
	General	6	10%	6	6

Legato	Rotary				
	General	2	3%	2	2
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General	33	56%	33	33
Tenuto					
Phrasing	General	22	37%	22	22
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern	6	10%		6
Pedaling					
Hand coordination	RH only	7	12%		7
	LH only	7	12%		7
	Balance	1	2%	1	1
	Together	15	25%		15
	Alternatively	43	73%		43
	Parallel motion				
	Contrary motion				
	Move freely	2	3%		2
Not in framework	Eyes on music	1	2%		1
	Lift hand (end of phrase)	1	2%	1	1
	2 notes together	7	12%		7
	3 notes together	6	10%		6
Number of technique elements*		168		66	168
Category as percent of total technique elements				39%	100%
Total no. of technique elements (not including recurrences)				7	21

* does not count the recurrence of the same technique element within the same page

A total of 21 technique elements are introduced in this method book. Of those, 17 elements listed in the framework and 4 elements not. 100% of the technique elements enhance the biomechanical development in piano playing, while 39% enhance the musical development in piano playing. There are 43 technique elements omitted in this book.

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 11d shows the rate at which new technique elements are introduced in the method book.

Table 11d

Frequency of New Technique Elements Introduced (Bastien Piano Basics Primer Lesson)

Bastien Piano Basics Primer Lesson (1985)	
	No. of pages
Total number of pages	59
Pages with new technique elements	15
Ratio of total pages to pages with new elements	3.9
Total number of technique elements: 21	

In this method book, there is a page with one or more new technique elements on average every 3.9 pages. There are 15 pages containing 21 new elements. On average there are 1.4 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Elements

3.1.4 (a) Occurrence of technique elements

In table 11e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented.

Table 11e

Most Frequently and Least Frequently Occurring Technique Elements (Bastien Piano Basics Primer Lesson)

Bastien Piano Basics Primer Lesson (1985)			
Technique elements		Total occurrence	
		Pages	Percent of total pages
Five most frequently occurred elements			
Hand coordination	Alternatively	43	73%
Dynamics	General	33	56%
Phrasing	General	22	37%
Hand coordination	Together	15	25%
	RH only	7	12%
	LH only	7	12%
Technique elements not listed in framework			
Finger activity	2 notes together	7	12%

Five least occurred elements			
Sitting Posture	Sit tall/straight	1	2%
	Feet on floor/stool	1	2%
Hand position	Wrist level	1	2%
	Curved finger tips	1	2%
Slur	General	1	2%
Hand coordination	Balance	1	2%
Technique elements not listed in framework			
Sensation	Eyes on Music	1	2%
Wrist movement	Lift hand (end of phrases)	1	2%

The most frequently occurring technique element is hands play alternatively in the category of hand coordination; it occurs 43 pages or 73% of the total 59 pages analyzed in this book. The second most frequently occurring technique element is general control of dynamics. It occurs on total 33 pages of 56% of the total number of pages analyzed. The third most frequently occurring technique is phrasing, it occurs on 22 pages or 37% of the total number of pages analyzed. There are more than 5 technique elements that occur once and never repeated again.

3.1.4 (b) Categories of technique elements

In table 11f, all the technique elements are grouped into categories of technique concepts.

Table 11f

Techniques Summarized by Category (Bastien Piano Basics Primer Lesson)

Bastien Piano Basics Lesson Primer (1985)					
Category of technique listed in framework	Occurrences (No. of pages)	Percentage*	Category of technique listed in framework	Occurrences (No. of pages)	Percentage*
Relaxation	0	0%	Lateral movement	0	0%
Mind involvement	0	0%	Slur	1	0.6%
Tone quality	0	0%	Staccato	6	4%
Listening skill	0	0%	Legato	2	1%
Sitting posture	2	1%	Dynamics & Tenuto	33	19%
Hand position	2	1%	Phrasing	22	13%

Use of fingers	0	0%	Scale	6	4%
Upper/forearm movement	0	0%	Pedaling	0	0%
Wrist movement	1	0.6%	Hand coordination	75	45%
Finger activity	17	16%			
Category of technique not listed in framework					
Sensation	1	0.6%	Arpeggio	0	0%
Broken chord	0	0%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hand coordination with 45% of all technique elements occurrences. The other most prevalent categories are dynamics and tenuto control (19%), finger activity (16%) and phrasing (13%). Eight categories with technique elements listed in the framework are never introduced in this method book.

3.1.4 (c) Technique Elements Categorized by Type of reinforcement

In table 11g, the technique elements with their types of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 11g

Type of Presentation of Reinforcement (Bastien Piano Basics Primer Lesson)

Bastien Piano Basics Primer Lesson (1985)					
Types of presentation of reinforcement	Activity	Written instruction	Signs/notes written on music	Use of picture	Practice Direction
	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements
	Move freely	RH only	Hands play alternatively	Five finger position	Fingering
		LH only	RH only	LH only	LH only
		Dynamic (f, p)	LH only	Hands play alternatively	Hands play alternatively
		Legato	Dynamics (f, p)		
			Phrasing		
			2 notes together		
		3 notes together			

			Hands together		
			Staccato		
No of page	1	5	46	9	3
Percent of total pages (59)	2%	8%	78%	15%	5%

The most frequent type of presentation to reinforce technique concepts is sings/note written on music with 78% of the total number of pages. It is used to enhance the technique in the following categories: hand coordination (hands play alternatively, right hand only, left hand only and hands play together), dynamics, phrasing, staccato and finger activity. The second most frequently type of presentation used to reinforce the technique elements is use of picture with 15% of the total number of pages. The remaining types of presentation are all used on less than 10% of the total pages.

F. Bastien Piano Basics Primer Technic (1985)

3.1.1 Phase I. Introduction of New Technique Elements

Table 12a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 12a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Bastien Piano Basics Primer Technic)

Bastien Piano Basics Primer Technic (1985)			
		No. of pages	% of pages with new technique elements
Number of pages analyzed		30	
Pages containing new technique elements		9 (with 16 elements)	
Type of presentation	Explanation in words	3	33%
	Analogy	0	0%
	Cartoon	2	22%
	Photo	0	0%
	Other	6	66%
Category	Musical development	4	44%
	Biomechanical development	9	100%

There are a total of 30 pages analyzed in this method book and a total of 9 pages where new technique elements are introduced. There is more emphasis on biomechanical development (100% of the pages containing new techniques) as compared to musical development (44%).

The most commonly used type of presentation is “other”, which was further broken down as shown in table 12b.

Table 12b

Occurrences of New Technique Using “Other” Type of Presentation (Bastien Piano Basics Primer Technic)

Bastien Piano Basics Primer Technic (1985)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Pages containing “other” type of presentation		Pages (number and percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
9	10	6	67%	1	11%	3	33%	1	11%	1	11%

“Sing/notes on music without explanation” is the most commonly used of the “other” subcategories and other types of presentation have the same amount of page used.

3.1.2 Phase II. Occurrence of Technique Elements

Table 12c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 12c

Occurrences and Recurrences of All Technique Elements (Bastien Piano Basics Primer Technic)

Bastien Piano Basics Primer Technic (1985)					
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation					
Mind involvement					
Tone quality					
Listening skill					
<i>Position</i>					
Sitting posture	Distance				
	Height				
	Sitting area				
	Sit tall/straight				
	Feet on floor/stool				
Shoulder free					
Hand position	Hand level				
	Wrist level				
	Forearm level				
	Elbow level				
	Curved finger tips	2	7%		2
	Arched hand				
General					
Use of fingers	Finger pad				
	Thumb				
	Fifth finger				

<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong				
Wrist	Drop	1	3%	1	1
	Roll	3	10%		3
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering				
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur	1	3%	1	1
	General	10	33%	10	10
Staccato	Finger				
	Wrist				
	Forearm				
	General	4	13%	4	4
Legato	Rotary				
	General	2	7%	2	2
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General	27	90%	27	27
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern	3	10%		3
Pedaling					
Hand coordination	RH only	1	3%		1
	LH only	1	3%		1
	Balance				
	Together	17	57%		17
	Alternatively	17	57%		17
	Parallel motion				
	Contrary motion				
	Move freely	1	3%		1
Not in framework	2 notes together	4	13%		4
	3 notes together	2	7%		2
Number of technique elements*		96		44	96
Category as percent of total technique elements				46%	100%
Total no. of technique elements (not including recurrences)		16		5	16

* does not count the recurrence of the same technique element within the same page

A total of 16 technique elements are introduced in this method book. Of those, 14 elements are listed in the framework and 2 elements not. 100% of the total technique elements enhance the biomechanical development in piano playing and less than half (46%) of the technique elements enhance the musical development in piano playing. Two categories of technique elements are most prevalent: dynamics and hand coordination. There are 46 technique elements omitted in this method book.

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 12d shows the rate at which new technique elements are introduced in the method book.

Table 12d

Frequency of New Technique Elements Introduced (Bastien Piano Basics Primer Technic)

Bastien Piano Basics Primer Technic (1985)	
	No. of pages
Total number of pages	30
Pages with new Technique concepts	9
Ratio of total pages to pages with new technique elements	3.3
Total number of technique elements: 16	

In this method book, there is a page with one or more new technique elements on average every 3.3 pages. There are 30 pages containing 16 new elements. On average there are 1.9 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Elements

3.1.4 (a) Occurrence of technique elements

In table 12e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented.

Table 12e

Most Frequently and Least Frequently Occurring Technique Elements (Bastien Piano Basics Primer Technic)

Bastien Piano Basics Primer Technic (1985)			
Technique elements		Total Occurrence	
		Pages	Percent of pages
Five most frequently occurred elements			
Dynamics	General	27	90%
Hand coordination	Together	17	57%
	Alternatively	17	57%
Slur	General	10	33%
Staccato	General	4	13%
Technique elements not listed in framework			
Finger activity	2 notes together	4	13%
Five least occurred elements			
Wrist	Drop	1	3%
Slur	2 or more notes slur	1	3%
Hand coordination	RH only	1	3%
	LH only	1	3%
	Move freely	1	3%

The most frequently occurring technique element is dynamics general control. It is repeated on a total of 27 pages or 90% of the total number of pages analyzed in this book. The second and the third most frequently occurring technique elements are hands play together and hands play alternatively in the category of hand coordination, they both repeat on 17 pages or 57% of the total pages analyzed. The fourth most frequently occurring technique is slur general playing repeated on 10 pages or 33% of the total number of pages analyzed. The fifth most frequently occurring techniques are staccato general playing and 2 notes play together repeated on a total of 4 pages or 33% of the total number of pages analyzed. There are 5 technique elements only occurring once and never repeated again.

3.1.4 (b) Categories of technique elements

In table 12f, all the technique elements are grouped into categories of technique concepts.

Table 12f

Techniques Summarized by Category (Bastien Piano Basics Primer Technic)

Bastien Piano Basics Technique Primer (1985)					
Category of technique listed in framework	Occurrences (No. of pages)	Percentage*	Category of technique listed in framework	Occurrences (No. of pages)	Percentage*
Relaxation	0	0%	Lateral movement	0	0%
Mind involvement	0	0%	Slur	11	12%
Tone quality	0	0%	Staccato	4	4%
Listening skill	0	0%	Legato	2	2%
Sitting posture	0	0%	Dynamics & Tenuto	27	28%
Hand position	2	2%	Phrasing	0	0%
Use of fingers	0	0%	Scale	3	3%
Upper/forearm movement	0	0%	Pedaling	0	0%
Wrist movement	4	4%	Hand coordination	37	39%
Finger activity	6	6%			
Category of technique not listed in framework					
Sensation	0	0%	Arpeggio	0	0%
Broken chord	0	0%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hand coordination with 39% of all technique element occurrences. The other most prevalent categories are dynamics and tenuto (28%) and slur (12%). Ten categories with technique elements listed in the framework are omitted in this method book.

3.1.4 (c) Technique Elements Categorized by Type of Presentation of Reinforcement

In table 12g, the technique elements with their type of presentation of reinforcement and the total number of pages of different type of reinforcement are presented.

Table 12g

Type of Presentation of Reinforcement (Bastien Piano Basics Primer Technic)

Bastien Piano Basics Primer Technic (1985)			
Types of Presentation of reinforcement	Signs/notes written on music	Use of picture	Practice journal/Direction
	Technique elements	Technique elements	Technique elements
	Hands play alternatively	Five finger position (C position)	Curved fingers
	Dynamics (f, p)		Legato
	Hands play together		
	Slur		
	Wrist roll		
	2 notes together		
	3 notes together		
	Staccato		
No. of page	29	1	1
Percent of total pages (30)	97%	3%	3%

The most frequent type of presentation to reinforce technique concepts is signs/note written on music with 97% of the total number of pages. It is used to enhance the technique in the following categories: hand coordination (hands play alternatively and hands play together), dynamics general control, wrist movement, slurs, staccato and finger activity (2 and 3 notes play together). The other types of presentation (use of pictures and practice journal/direction) are used at the same amount.

G. Celebrate Piano 1A (2003)

3.1.1 Phase I. Introduction of New Technique Elements

Table 13a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 13a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Celebrate Piano 1A)

Celebrate Piano 1A (2003)			
		No. of pages	% of pages with new technique elements
Number of pages		77	
Pages containing new technique elements		10 (with 17 elements)	
Type of presentation	Explanation in words	3	30%
	Analogy	1	10%
	Cartoon	3	30%
	Photo	0	0%
	Other	6	60%
Category	Musical development	6	60%
	Biomechanical development	10	100%

There are a total of 77 pages analyzed in this method book and a total of 10 pages where new technique concepts are introduced. There is more emphasis on biomechanical development (100% of the pages containing new techniques) as compared to musical development (60%).

The most commonly used types of presentation is “other”, which was further broken down as shown in table 13b.

Table 13b

Occurrences of New Technique Using “Other” Type of Presentation (Celebrate Piano 1A)

Celebrate Piano 1A (2003)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Page containing “other” type of presentation		Pages (number and percent of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
10	9	6	60%	2	20%	3	30%	0	0%	1	10%

“Sign/notes on music without explanation” is the most commonly used of the “other” subcategories.

3.1.2 Phase II. Occurrence of Technique Elements

Table 13c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 13c

Occurrence and Recurrences of all Technique Elements (Celebrate Piano 1A)

Celebrate Piano 1A (2003)					
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation					
Mind involvement		12	16%	12	12
Tone quality					
Listening skill		7	9%	7	
<i>Position</i>					
Sitting posture	Distance				

	Height				
	Sitting area				
	Sit tall/straight				
	Feet on floor/stool				
	Shoulder free				
Hand position	Hand level				
	Wrist level				
	Forearm level				
	Elbow level				
	Curved finger tips	7	9%		7
	Arched hand				
	General				
Use of fingers	Finger pad				
	Thumb				
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop	4	5%		4
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong	7	9%		7
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering	13	17%		13
<i>Lateral movement</i>					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General				
Staccato	Finger				
	Wrist				
	Forearm				
	General				
Legato	Rotary				
	General	16	21%	16	16
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General	27	35%	27	27
<i>Tenuto</i>					
Phrasing	General	22	29%	22	
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern				
<i>Pedaling</i>					
Hand coordination	RH only	16	21%		16
	LH only	14	18%		14
	Balance				

	Together	8	10%	8	8
	Alternatively	36	47%		36
	Parallel motion				
	Contrary motion				
	Move freely	8	10%		8
Not in framework	2 notes together	13	17%		13
	3 notes together	10	13%		10
	Lift up hand	2	3%	2	2
Number of technique elements*		222		94	193
Category as percent of total technique elements				42%	87%
Total no. of technique elements (not including recurrences)		17		7	15

* does not count the recurrence of the same technique element within the same page

A total of 17 technique elements are introduced in this method book. Of those, 14 elements listed in the framework and 3 elements not. 87% of the technique elements enhance the biomechanical development in piano playing and less than half (42%) of the technique elements enhance the musical development in piano playing. Two categories of technique elements are most prevalent: hand coordination and dynamics. There are 46 technique elements omitted in this method book.

3.1.3 Phase III. Distribution of New Technique Elements

Table 13d shows the rate at which new technique elements are introduced in the method book.

Table 13d

Frequency of New Technique Elements Introduced (Celebrate Piano 1A)

Celebrate Piano 1A (2003)	
	No. of pages
Total number of pages	77
Pages with new technique elements	10
Ratio of total pages to pages with new technique elements	7.7
Total number of technique elements: 17	

In this method book, there is a page with one or more new technique elements on average every 7.7 pages. There are 10 page containing 17 new elements. On average there are 1.7 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Elements

3.1.4 (a) Occurrence of Technique Elements

In table 13e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are present.

Table 13e

Most Frequently and Least Frequently Occurring Technique Elements (Celebrate Piano 1A)

Celebrate Piano 1A (2003)			
Technique elements		Total Occurrence	
		Pages	Percent of pages
Five most frequently occurred elements			
Hand coordination	Alternatively	36	47%
Dynamics	General	27	35%
Phrasing	General	22	29%
Hand coordination	RH only	16	21%
Legato	General	16	21%
Five least occurred elements			
Upper/forearm	Arm drop	4	5%
Listening skill		7	9%
Hand position	Curved finger tips	7	9%
Upper/forearm	Finger tip support/strong	7	9%
Technique elements not listed in framework			
Wrist movement	Lift up hand	2	3%

The most frequently occurring technique element is hands play alternatively in the category of hand coordination; it occurs on 36 pages or 47% of the total 77 pages analyzed in this book. The second most frequently occurring technique element is general control of dynamics; it occurs almost 10 pages less than the most frequently

occurring element (27 pages) or 35% of the total number of pages analyzed. The third most frequently technique is phrasing, it is repeated on 22 pages or 29% of the total number of pages analyzed. The fourth and the fifth most frequently techniques are right hand only in the category of hand coordination and general legato control. They are repeated on the same amount of 16 pages or 21% of the total number of pages analyzed.

3.1.4 (b) Categories of Technique Elements

In table 13f, all the technique elements are grouped into categories of technique concepts.

Table 13f

Techniques Summarized by Category (Celebrate Piano 1A)

Celebrate Piano 1A (2003)					
Category of technique listed in framework	Occurrences (No. of pages)	Percentage*	Category of technique listed in framework	Occurrences (No. of pages)	Percentage*
Relaxation	0	0%	Lateral movement	0	0%
Mind involvement	12	5%	Slur	0	0%
Tone quality	0	0%	Staccato	0	0%
Listening skill	7	3%	Legato	16	7%
Sitting posture	0	0%	Dynamics & Tenuto	27	12%
Hand position	7	3%	Phrasing	22	10%
Use of fingers	0	0%	Scale	0	0%
Upper/forearm movement	11	5%	Pedaling	0	0%
Wrist movement	2	1%	Hand coordination	82	37%
Finger activity	36	16%			
Category of technique not listed in framework					
Sensation	0	0%	Arpeggio	0	0%
Broken chord	0	0%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hand coordination with 37% of all technique element occurrences. The other most prevalent categories are finger

activity (16%), dynamics and tenuto (12%) and phrasing (10%). Nine categories with technique elements listed in the framework are omitted in this method book.

3.1.4 (c) Technique Elements Categorized by Type of Presentation of Reinforcement

In table 13g, the technique elements with their type of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 13g

Type of Presentation of Reinforcement (Celebrate Piano 1A)

Celebrate Piano 1A (2003)						
Types of presentation of reinforcement	Activity	Written instruction	Signs/notes written on music	Use of picture as guide without explanation	Practice journal/Plan	Question (Be the judge)
	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements
	Hands play alternatively	2 notes together	Hands play alternatively	Firm/rounded fingers	Firm/ rounded fingers	Dynamics (f, p)
	Move freely	3 notes together	RH only	Move freely	Arm drop freely	Listening skill
	Fingering	Firm/ rounded fingers	LH only		Move freely	Legato
	Firm/ rounded fingers	Arm drop freely,	2 notes together		3 notes together	Phrase
	LH only	RH only	3 notes together		Mind involvement	
	Dynamics (f, p)	LH only	Phrase		Hands play alternatively	
	Phrasing	Legato,	Dynamics (f, p,		Legato	
	Hands play together	Lift up hand	Hands play together		Dynamics (f, p)	
	Legato				Phrase,	
					Fingering,	
					Hands together	
					LH only	
					RH only	
No. of page	16	9	44	2	25	8
Percent of total pages (77)	21%	12%	57%	3%	32%	10%

The most frequent type of presentation to reinforce technique concepts is signs/note written on music with 57% of the total number of pages. It is used to enhance the technique in the following categories: hand coordination (right hand only, left hand only, hands play alternatively and hands play together), the general control of dynamics, phrasing and finger activity (2 and 3 notes together).

H. *Hal Leonard Piano Lesson Book 1 (1996)*

3.1.1 Phase I. Introduction of New Technique Elements

Table 14a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 14a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Hal Leonard Piano Lesson Book 1)

Hal Leonard Piano Lesson Book 1 (1996)			
		No. of pages	% of pages with new technique elements
Number of pages analyzed		61	
Pages containing new technique elements		10 (with 16 elements)	
Type of presentation	Explanation in words	8	80%
	Analogy	0	0%
	Cartoon	6	60%
	Photo	0	0%
	Other	4	40%
Category	Musical development	4	40%
	Biomechanical development	10	100%

There are total 61 pages analyzed in this method book and a total of 10 pages where new technique elements are introduced. There is more emphasis on

biomechanical development (100% of the pages containing new techniques) as compared to musical development (40%).

The types of presentation used in this method book are explanation in words, cartoon and other. The type of presentation identified as “other” was further broken down as shown in table 14b.

Table 14b

Occurrences of New Technique Using “Other” Type of Presentation (Hal Leonard Piano Lesson Book 1)

Hal Leonard Piano Lesson Book 1 (1996)											
Total pages of new technique elements	No. of elements presented in method of "other"	Page of method of "other"		Pages (number of percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
10	8	4	40%	1	10%	1	10%	0	0%	2	20%

“Direct instruction without explanation” is the most commonly used of the “other” subcategories, however there is not a significant in the frequency of using it for introducing new concepts.

3.1.2 Phase II. Occurrence of Technique Elements

Table 45c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 14c

Occurrences and Recurrences of All Technique Elements (Hal Leonard Piano Lesson Book 1)

Hal Leonard Piano Lesson Book 1 (1996)					
Technique elements		Total occurrences		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation		1	2%		1
Mind involvement					
Tone quality					
Listening skill					
<i>Position</i>					
Sitting posture	Distance				
	Height				
	Sitting area				
	Sit tall/straight	1	2%		1
	Feet on floor/stool				
Shoulder free					
Hand position	Hand level				
	Wrist level	1	2%		1
	Forearm level				
	Elbow level	1	2%		1
	Curved finger tips	4	7%		4
	Arched hand				
General					
Use of fingers	Finger pad				
	Thumb				
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong				
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering	1	2%		1
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General				
Staccato	Finger				
	Wrist				
	Forearm				
	General				

Legato	Rotary				
	General				
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General	34	56%	34	34
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern				
Pedaling					
Hand coordination	RH only	5	8%		5
	LH only	6	10%		6
	Balance				
	Together				
	Alternatively	39	64%		39
	Parallel motion				
	Contrary motion				
	Move freely	8	13%		8
Not in framework	Finger relax	1	2%		1
	Arm relax	1	2%		1
	Firm 1st joint of finger	3	5%		3
	3 notes together	5	8%		5
Number of technique elements*		111		34	111
Category as percent of total technique elements				31%	100%
Total no. of technique elements (not including recurrences)		15		1	15

* does not count the recurrence of the same technique element within the same page

A total of 15 technique elements are introduced in this method book. Of those 11 elements are listed in the framework and 4 elements not. 100% of the technique elements enhance the biomechanical development in piano playing and less than half (31%) of the technique elements enhance the musical development in piano playing. Two categories of technique elements are most prevalent: dynamics and hand coordination. There are 49 technique elements omitted in this method book.

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 14d shows the rate at which new technique elements are introduced in the method book.

Table 14d

Frequency of New Technique Elements Introduced (Hal Leonard Piano Lesson Book 1)

Hal Leonard Piano Lesson Book 1 (1996)	
	No. of pages
Total number of pages	61
Pages with new technique elements	10
Ratio of total pages to pages with new technique elements	6.1
Total number of technique concepts: 16	

In this method book, there is a page with one or more new technique elements on average every 6.1 pages. There are 10 pages containing 16 new elements. On average there are 1.6 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Elements**3.1.4 (a) Occurrence of Technique Elements**

In table 14e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are present.

Table 14e

Most Frequently and Least Frequently Occurring Technique Elements (Hal Leonard Piano Lesson Book 1)

Hal Leonard Piano Lesson Book 1 (1996)			
Technique elements		Total occurrence	
		Pages	Percent of pages
Five most frequently occurred elements			
Hand coordination	Alternatively	39	64%
Dynamics	General	34	56%
Hand coordination	Move freely	8	13%
	LH only	6	10%
	RH only	5	8%

Technique elements not listed in framework			
Finger activity	3 notes together	5	8%
Five least occurred elements			
Relaxation		1	2%
Sitting posture	Sit tall/straight	1	2%
Hand position	Wrist level	1	2%
	Elbow level	1	2%
	Fingering	1	2%
Technique elements not listed in framework			
Relaxation	Finger relax	1	2%
	Arm relax	1	2%

The most frequently occurring technique element is hands play alternatively in the category of hand coordination; it occurs on 39 pages or 64% of the total number of pages analyzed in this book. The second most frequently occurring technique is general control of dynamics. It occurs on 34 pages or 56% of the total number of pages analyzed. The third to fifth frequent technique are in the category of hand coordination. They are move freely, left hand only and right hand only repeated on 8 pages, 6 pages and 5 pages or 13%, 10% and 8% of the total number of page analyzed respectively. There are 7 technique elements only occurring once and never repeated again.

3.1.4 (b) Categories of technique elements

In table 14f, all the technique elements are grouped into categories of technique concepts.

Table 14f

Technique Summarized by Category (Hal Leonard Piano Lesson Book 1)

Hal Leonard Piano Lesson Book 1 (1996)					
Category of technique listed in framework	Occurrences	Percentage*	Category of technique listed in framework	Occurrences	Percentage*
Relaxation	2	2%	Lateral movement	0	0%

Mind involvement	0	0%	Slur	0	0%
Tone quality	0	0%	Staccato	0	0%
Listening skill	0	0%	Legato	0	0%
Sitting posture	1	1%	Dynamics & Tenuto	34	31%
Hand position	9	8%	Phrasing	0	0%
Use of fingers	0	0%	Scale	0	0%
Upper/forearm movement	1	1%	Pedaling	0	0%
Wrist movement	0	0%	Hand coordination	58	52%
Finger activity	6	5%			
Category of technique not listed in framework					
Sensation	0	0%	Arpeggio	0	0%
Broken chord	0	0%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hand coordination with 52% of all technique element occurrences. The other most prevalent categories are dynamics and tenuto (31%); hand position (8%) and finger activity (5%) are less than 10% of total number of occurrences. Twelve categories with technique elements listed in the framework are omitted in this method book.

3.1.4 (c) Technique Elements Categorized by Type of Presentation of Reinforcement

In table 14g, the technique elements with their type of presentation of reinforcement and the total number pages of different method of reinforcement are presented.

Table 14g

Type of Presentation of Reinforcement (Hal Leonard Piano Lesson Book1)

Hal Leonard Piano Lesson Book 1 (1996)				
Types of presentation of reinforcement	Activity	Written instruction	Signs/notes written on music	Use of picture
	Technique elements	Technique elements	Technique elements	Technique elements
	Move freely	Curved fingers	Hands play alternatively	Curved fingers
	1st joint firm	LH only	LH only	1st joint firm
	Curved finger	RH only	RH only	
			3 notes together	
			Dynamics (f, p, mf, mp)	
No. of pages	7	6	44	3
Percent of total pages (61)	11%	10%	72%	5%

The most frequent type of presentation to reinforce technique concepts is signs/note written on music with 72% of the total number of pages analyzed. It is used to enhance the technique in the following categories: hands coordination (right hand only, left hand only and hands play alternative), finger activity (3 notes together) and general control of dynamics. The other types of presentation (activity and written instruction) are used about the same amount.

I. Hal Leonard Piano Technique Book 1 (1996)**3.1.1 Phase I. Introduction of New Technique Elements**

Table 15a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 15a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Hal Leonard Piano Technique Book 1)

Hal Leonard Piano Technique Book 1 (1996)			
		No. of pages	% of pages with new technique elements
Number of pages analyzed		30	
Pages containing new technique elements		6 (with 25 elements)	
Type of presentation	Explanation in words	6	100%
	Analogy	6	100%
	Cartoon	1	17%
	Photo	0	0%
	Other	1	17%
Category	Musical development	5	83%
	Biomechanical development	5	83%

There are a total of pages analyzed in this method book and a total of 6 pages where new technique elements are introduced. Both biomechanical and musical developments are equally emphasized (83% of pages containing new technique).

The most commonly used types of presentations are explanation in words and analogy. The type of presentation identified as “other” is only used on 1 page and was further broken down as shown in table 15b.

Table 15b

Occurrences of New Techniques Using “Other” Type of Presentation (Hal Leonard Piano Technique Book 1)

Hal Leonard Piano Technique Book 1 (1996)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Pages containing “other” type of presentation		Pages (number of percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
6	5	1	17%	1	17%	1	17%	0	0%	0	0%

“Activity and signs/notes on music without explanation” are used of the “other” subcategories, they have the same frequency of use for introducing new concepts.

3.1.2 Phase II. Occurrence of Technique Elements

Table 15c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 15c

Occurrences and Recurrences of All Technique Elements (Hal Leonard Piano Technique Book1)

Hal Leonard Piano Technique Book 1 (1996)					
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation					
Mind involvement		5	17%	5	5
Tone quality		5	17%	5	
Listening skill		3	10%	3	
<i>Position</i>					
Sitting posture	Distance				
	Height				
	Sitting area				
	Sit tall/straight				
	Feet on floor/stool				
	Shoulder free				
Hand position	Hand level				
	Wrist level				
	Forearm level				
	Elbow level				
	Curved finger tips	2	7%		2
	Arched hand	1	3%		1
	General	3	10%		3
Use of fingers	Finger pad				
	Thumb	1	3%		1
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight	5	17%		5
	Arm drop				
	Forearm rotary	1	3%		1
	Forearm freedom	1	3%		1

	Finger tip support/strong				
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys	3	10%		3
	Independence				
	Fingering				
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General				
Staccato	Finger				
	Wrist				
	Forearm				
	General	4	13%	4	4
Legato	Rotary				
	General	4	13%	4	4
Dynamics	Loud/soft (weight)	25	83%	25	25
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General				
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern				
Pedaling					
Hand coordination	RH only	5	17%		5
	LH only	5	17%		5
	Balance	1	3%	1	1
	Together				
	Alternatively	18	60%		18
	Parallel motion				
	Contrary motion				
	Move freely				
Not in framework	Arms hang naturally	1	3%		1
	Hands hang naturally	1	3%		1
	Feel the arm weight	1	3%		1
	2 notes together	1	3%		1
	3 notes together	3	10%		3
	Wrist bounce	4	13%		4
	Release arm weight	1	3%		1
Number of technique elements*		104		47	96
Category as percent of total technique elements				45%	92%
Total no. of technique elements (not including recurrences)		25		7	23

* does not count the recurrence of the same technique element within the same page

A total of 25 technique elements are introduced in this method book. Of those, 18 elements are listed in the framework and 7 elements not. 92% of the technique

elements enhance the biomechanical development in piano playing and less than half (45%) of the technique elements enhance the musical development in piano playing. Two categories of technique elements are most prevalent: dynamics and hand coordination. There are a total 42 technique elements omitted in this method book.

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 15d shows the rate at which new technique elements are introduced in the method book.

Table 15d

Frequency of New Technique Elements Introduced (Hal Leonard Piano Technique Book 1)

Hal Leonard Piano Technique Book 1 (1996)	
	No. of pages
Total number of pages	30
Pages with new technique elements	6
Ratio of total pages to pages with new technique elements	5
Total number of elements: 25	

In this method book, there is a page with one or more new technique elements on average every 5 pages. There are 6 pages containing 25 new elements. On average there are 4.2 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Concepts

3.1.4 (a) Occurrence of technique elements

In table 15e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented.

Table 15e

Most Frequently and Least Frequently Occurring Technique Elements (Hal Leonard Piano Technique Book 1)

Hal Leonard Piano Technique Book 1 (1996)			
Technique elements		Total Occurrence	
		Pages	Percent of pages
Five most frequently occurred elements			
Dynamics	Loud/soft (weight)	25	83%
Hand coordination	Alternatively	18	60%
Mind involvement		5	17%
Tone quality		5	17%
Upper/forearm	Arm Weight	5	17%
Hand coordination	RH only	5	17%
	LH only	5	17%
Five least occurred elements			
Hand position	Arched hand	1	3%
Use of fingers	Thumb	1	3%
Upper/forearm	Forearm rotary	1	3%
	Forearm freedom	1	3%
Hand coordination	Balance	1	3%
Technique elements not listed in framework			
Relaxation	Arms hang naturally	1	3%
	Hands hang naturally	1	3%
Sensation	Feel the arm weight	1	3%
Finger activity	2 notes together	1	3%
Upper/forearm	Release arm weight	1	3%

The most frequently occurring technique element is loud and soft control with weight principle in the category of dynamics; it occurs on 25 pages or 83% of the total number of pages analyzed in this book. The second most frequently occurring technique element is hands play alternatively. It occurs on 18 pages or 60% of the total number of pages analyzed. The third to fifth most frequently occurring techniques are mind involvement, tone quality, upper/forearm and hand coordination. Each of them is repeated on 5 pages or 17% of the total number of pages analyzed. There are 10 technique elements only occurring once and never repeated again.

3.1.4 (b) Categories of technique elements

In table 15f, all the technique elements are grouped into categories of technique concepts.

Table 15f

Technique Summarized by Category (Hal Leonard Piano Technique Book 1)

Hal Leonard Piano Technique Book 1 (1996)					
Category of technique listed in framework	Occurrences (No. of pages)	Percentage*	Category of technique listed in framework	Occurrences (No. of pages)	Percentage*
Relaxation	1	1%	Lateral movement	0	0%
Mind involvement	5	5%	Slur	0	0%
Tone quality	5	5%	Staccato	4	4%
Listening skill	3	3%	Legato	4	4%
Sitting posture	0	0%	Dynamics & Tenuto	25	24%
Hand position	6	6%	Phrasing	0	0%
Use of fingers	1	1%	Scale	0	0%
Upper/forearm movement	9	9%	Pedaling	0	0%
Wrist movement	4	4%	Hands coordination	29	28%
Finger activity	7	7%			
Category of technique not listed in framework					
Sensation	1	1%	Arpeggio	0	0%
Broken chord	0	0%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hand coordination with 28% of all technique element occurrences. The other most prevalent category is dynamics and tenuto (24%). Six categories with technique elements listed in the framework are omitted in this method book

3.1.4 (c) Technique elements categorized by methods of reinforcement

In table 15g, the technique elements with their type of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 15g

Type of Presentation of Reinforcement (Hal Leonard Piano Technique Book 1)

Hal Leonard Piano Technique Book 1 (1996)				
Types of presentation of reinforcement	Activity	Signs/notes written on music	Musical fitness plan (with warm ups) Written instruction	Musical fitness plan (check list for concept learned)
	Technique elements	Technique elements	Technique elements	Technique elements
	Curved finger tip	Hands play alternatively	Arm weight	Mind involvement
		3 notes together	Finger close to keys	Hand position general
		LH only	Wrist movement	Fingers close to keys on rest signs
		RH only	Wrist bounce	Dynamics (f, mf, p)
		Dynamics (f, p, mp, mf)	Beautiful tone	Tone quality
			Listening skill	Legato
				Staccato
				Arm weight
			Hands play alternatively	
No. of page	1	25	5	4
Percent of total pages (30)	3%	83%	17%	13%

The most frequent type of presentation to reinforce technique concepts is signs/notes written on music with 83% of the total number of pages. It is used to enhance the technique in the following categories: hand coordination (right hand only, left hand only and hands play alternatively), the general control of dynamics and finger activity (3 notes together). The other types of presentation (Musical fitness plan and musical fitness plan) are used with 17% and 13% of the total number of pages respectively. The remaining type of presentation is used less than 10% of total pages.

J. Music for Piano Book 1 Revised (2006)

3.1.1 Phase I. Introduction of New Technique Elements

Table 16a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 16a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Music for Piano Book 1 Revised)

Music for Piano Book 1 Revised (2006)			
		No. of pages	% of pages with new technique elements
Number of pages		47	
Pages containing new technique elements		25 (with 24 elements)	
Type of presentation	Explanation in words	7	28%
	Analogy	1	4%
	Cartoon	6	25%
	Photo	0	0%
	Other	16	67%
Category	Musical development	10	42%
	Biomechanical development	25	100%

There are a total of 47 pages analyzed in this method book and a total of 25 pages where new technique elements are introduced. There is more emphasis on biomechanical development (100% of the pages containing new techniques) as compared to musical development (42%).

The most commonly used type of presentation is other. The type of presentation identified as “other” was further broken down as shown in table 16b.

Table 16b

Occurrences of New Technique Using “Other” Type of Presentation (Music for Piano Book 1 Revised)

Music for Piano Book 1 Revised (2006)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Page containing “other” type of presentation		Pages (number and percentage of page that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
25	24	16	64%	1	4%	12	49%	1	4%	6	24%

“Signs/notes on music without explanation” is the most commonly used of the “other” subcategories.

3.1.2 Phase II. Occurrence of Technique Elements

Table 16c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 16c

Occurrences and Recurrences of All Technique Elements (Music for Piano Book 1 Revised)

Music for Piano Book 1 Revised (2006)				
Technique elements	Total occurrences		Total occurrences (no. of pages) by category	
	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation				
Mind involvement				
Tone quality				
Listening skill				
<i>Position</i>				

Sitting posture	Distance				
	Height				
	Sitting area				
	Sit tall/straight				
	Feet on floor/stool				
	Shoulder free				
Hand position	Hand level				
	Wrist level				
	Forearm level				
	Elbow level				
	Curved finger tips				
	Arched hand				
	General				
Use of fingers	Finger pad				
	Thumb				
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong				
Wrist	Drop	3	6%	3	3
	Roll	3	6%	3	3
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering	7	15%	7	7
Lateral movement					
<i>Articulations</i>					
Slurs	2 or more notes slur	1	2%	1	1
	General	1	2%	1	1
Staccato	Finger				
	Wrist	6	13%	6	6
	Forearm				
	General				
Legato	Rotary				
	General				
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo	16	34%	16	16
	Decrescendo	13	28%	13	13
	General	23	49%	23	23
Tenuto					
Phrasing	General	19	40%	19	
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern	39	83%	39	39
Pedaling					
Hand coordination	RH only	10	21%	10	10
	LH only	7	15%	7	7

	Balance	1	2%	1	1
	Together	21	45%		21
	Alternatively	16	34%		16
	Parallel motion	2	4%		2
	Contrary motion				
	Move freely	2	4%		2
Not in framework	Swing	2	4%		2
	Accent	2	4%	2	2
	Triad (3 notes together)	13	28%		13
	2 notes together	5	11%		5
	Dorian Mode	1	2%		1
	Alberti Bass	1	2%		1
Total number of technique elements*		214		82	195
Category as percent of total technique elements				38%	91%
Total no. of technique elements (not including recurrences)		24		9	20

*does not count the recurrence of the same technique element within the same page

A total of 24 technique elements are introduced in this method book. Of those, 18 elements are listed in the framework and 6 elements not. 91% of the technique elements enhance the biomechanical development in piano playing and 38% of the technique elements enhance the musical development in piano playing. The five fingers pattern in the category of scale playing is the most prevalent technique in this method book. There are 42 technique elements omitted in this method book.

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 16d shows the rate at which new technique elements are introduced in the method book.

Table 16d

Frequency of New Technique Elements Introduced (Music for Piano Book 1 Revised)

Music for Piano Book 1 Revised (2006)	
	No. of pages
Total number of pages	47
Pages with new technique elements	25
Ratio of total pages to pages with new technique elements	1.9
Total number of technique elements: 24	

In this method book, there is a page with one or more new technique elements on average every 1.9 pages. There are 25 pages containing 24 elements. On average there is approximately 1 new technique element per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Elements

3.1.4 (a) Occurrence of technique elements

In table 16e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented

Table 16e

Most Frequently and Least Frequently Occurring Technique Elements (Music for Piano Book 1)

Music for Piano Book 1 Revised (2006)			
Technique elements		Total Occurrence	
		Pages	Percent of pages
Five most frequently occurred elements			
Scale	5 fingers pattern	39	83%
Dynamics	General	23	49%
Hand coordination	Together	21	45%
Phrasing		19	40%
Dynamics	Crescendo	16	34%
Hand coordination	Alternatively	16	34%
Five least occurred elements			
Slurs	2 or more notes slur	1	2%
	General	1	2%
Hand coordination	Balance	1	2%
Scale	Dorian Mode	1	2%
Broken chord	Alberti Bass	1	2%

The most frequently occurring technique element is 5 fingers patterns in the category of scale playing; it occurs on 39 pages or 83% of the total number of pages analyzed in this book. The second most frequently occurring technique is general control of dynamics. It occurs on 23 pages or 49% of the total number of pages

analyzed. The third most frequently occurring technique is hands play together in the category of hand coordination, it occurs on 21 pages or 45% of the total number of pages analyzed. The fourth most frequently occurring technique is phrasing, it is repeated on 19 pages or 40% of the total number of pages analyzed. The fifth most frequently occurring techniques are crescendo in the category of dynamics and hands play alternatively in the category of hand coordination repeated on 16 pages with 34% of the total number of pages analyzed. There are 5 technique elements only occurring once and never repeated again.

3.1.4 (b) Categories of technique elements

In table 16f, all the technique elements are grouped into categories of technique concepts.

Table 16f

Techniques Summarized by Category (Music for Piano Book 1 Revised)

Music for Piano Book 1 Revised (2006)					
Category of technique listed in framework	Occurrences (No. of pages)	Percentage*	Category of technique listed in framework	Occurrences (No. of pages)	Percentage*
Relaxation	0	0%	Lateral movement	0	0%
Mind involvement	0	0%	Slur	2	1%
Tone quality	0	0%	Staccato	6	3%
Listening skill	0	0%	Legato	0	0%
Sitting posture	0	0%	Dynamics & Tenuto	54	25%
Hand position	0	0%	Phrasing	19	9%
Use of fingers	0	0%	Scale	40	19%
Upper/forearm movement	2	1%	Pedaling	0	0%
Wrist movement	6	3%	Hands coordination	59	28%
Finger activity	25	12%			
Category of technique not listed in framework					
Sensation	0	0%	Arpeggio	0	0%
Broken chord	1	0.5%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hands coordination with 28% of all technique elements occurrences. The other most prevalent categories are Dynamics & Tenuto (25%), scale playing (19%) and finger activity (12%). Ten categories with technique elements listed in the framework are omitted in this method book.

3.1.4 (c) Technique Elements Categorized by Type of Presentation of Reinforcement

In table 16g, the technique elements with their type of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 16g

Type of Presentation of Reinforcement (Music for Piano Book1 Revised)

Music for Piano Book 1 Revised (2006)				
Types of presentation of reinforcement	Activity	Written instruction	Signs/notes written on music	Use of picture
	Technique elements	Technique elements	Technique elements	Technique elements
	Fingering	Swing	RH only	Five finger positions
	Five fingers position	Crescendo	LH only	LH only
		Staccato	Five finger position	RH only
		Wrist down up motion	Hands play alternatively	Fingering
			Hands play together	
			Dynamics (mf, f, mp, p, pp, ff, ppp)	
			Crescendo	
			Decrescendo	
			Parallel motion	
			Move freely	

			Phrasing	
			3 notes together	
			Accents	
			2 notes together	
			Staccato	
			Pendatonic scale	
No. of page	17	4	39	8
Percent of total pages (47)	36%	9%	83%	17%

The most frequent type of presentation to reinforce technique concepts is signs/notes written on music with 83% of the total number of pages analyzed. It is used to enhance the technique in the following categories: hands coordination (right hand only, left hand only, hands play alternatively and together, parallel motion, and move freely), dynamics (crescendo, decrescendo and accent), scale playing (five fingers position and pendatonic scale), phrasing, staccato and finger activity (2 and 3 notes together).

K. Music For Piano Finger Builders Book 1 Revised (2007)

3.1.1 Phase I. Introduction of New Technique Elements

Table 17a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 17a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Music for Piano Finger Builders Book 1 Revised)

Music for Piano Finger Builders Book 1 Revised (2007)			
		No. of pages	% of pages with new technique elements
Number of pages analyzed		46	
Pages containing new technique elements		15 (with 29 elements)	
Type of presentation	Explanation in words	11	73%
	Analogy	0	0%
	Cartoon	2	13%
	Photo	0	0%
	Other	8	53%
Category	Musical development	7	47%
	Biomechanical development	14	93%

There are a total of 46 pages analyzed in this method book and a total of 15 pages where new technique elements are introduced. There is more emphasis on biomechanical development (93% of the pages containing new techniques) as compared to musical development (47%).

The most commonly used types of presentation are explanation in words and other. The type of presentation identified as “other” was further broken down as shown in table 17b.

Table 17b

Occurrences of New Techniques Using “Other” Type of Presentation (Music for Piano Finger Builder Book 1 Revised)

Music for Piano Finger Builders Book 1 Revised (2007)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Page containing “other” type of presentation		Pages (number and percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
15	13	8	53%	1	7%	5	33%	2	13%	1	7%

“Signs/notes on music without explanation” is the most commonly used of the “other” subcategories.

3.1.2 Phase II. Occurrence of Technique Elements

Table 17c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 17c

Occurrences and Recurrences of All Technique Elements (Music for Piano Finger Builders Book 1 Revised)

Music For Piano Finger Builders Book 1 Revised (2007)				
Technique elements	Pages containing technique element		Total occurrences (no. of pages) by category	
	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation				
Mind involvement				
Tone quality				
Listening skill				
<i>Position</i>				

Sitting posture	Distance				
	Height				
	Sitting area				
	Sit tall/straight				
	Feet on floor/stool				
	Shoulder free				
Hand position	Hand level				
	Wrist level				
	Forearm level				
	Elbow level				
	Curved finger tips	14	30%		14
	Arched hand				
	General				
Use of fingers	Finger pad				
	Thumb				
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong	5	11%		5
Wrist	Drop	4	9%		4
	Roll	4	9%		4
	Release				
Finger activity	Lift up height				
	Close to keys	2	4%		2
	Independence				
	Fingering				
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur	2	4%	2	2
	General	2	4%	2	2
Staccato	Finger				
	Wrist				
	Forearm				
	General	4	9%	4	4
Legato	Rotary				
	General	2	4%	2	2
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo	8	17%	8	8
	Decrescendo	8	17%	8	8
	General	9	20%	9	9
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern	24	52%		24
Pedaling					
Hand coordination	RH only	12	26%		12
	LH only	12	26%		12

	Balance	3	7%	3	3
	Together	27	59%		27
	Alternatively	8	17%		8
	Parallel motion	22	48%		22
	Contrary motion	5	11%		5
	Move freely	2	4%		2
Not in framework	Feel the weight in fingertips	10	22%		10
	Pull up slightly (finger)	6	13%		6
	Firm Knuckles	5	11%		5
	Wrist rotation	7	15%		7
	Broken chord	5	11%		5
	3 notes together	2	4%		2
	Scale-Tetrachords	5	11%		5
	Arpeggio (minor)	2	4%		2
Number of technique elements*		221		38	221
Category as percent of total technique elements				17%	100%
Total no. of technique elements (not including recurrences)		29		8	29

* does not count the recurrence of the same technique element within the same page

A total of 29 technique elements are introduced in this method book. Of those, 21 elements are listed in the framework and 8 elements not. 100% of the technique elements enhance the biomechanical development in piano playing and small amount (17%) of the technique elements enhance the musical development in piano playing. Two categories of technique elements are most prevalent: scale and dynamics. There are a total 39 technique elements omitted in this method book.

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 17d shows the rate at which new technique elements are introduced in the method book

Table 17d

Frequency of New Technique Elements Introduced (Music for Piano Finger Builders Book 1)

Music for Piano Finger Builders Book 1 Revised (2007)	
	No. of pages
Total number of pages	46
Pages with new technique elements	15
Ratio of total pages to pages with new technique elements	3.1
Total number of technique elements: 29	

In this method book, there is a page with one or more new technique elements on average every 3.1 pages. There are 15 pages containing 29 new elements. On average there are 1.9 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Elements

3.1.4 (a) Occurrence of technique elements

In table 17e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented.

Table 17e

Most Frequently and Least Frequently Occurring Technique Elements (Music for Piano Finger Builder Book 1 Revised)

Music for Piano Finger Builders Book 1 Revised (2007)			
Technique elements		Total Occurrence	
		Pages	Percent of pages
Five most frequently occurred elements			
Hands coordination	Together	27	59%
Scale	5 fingers pattern	24	52%
Hands coordination	Parallel motion	22	48%
Hand position	Curved finger tips	14	30%
Hand coordination	RH only	12	26%
	LH only	12	26%
Five least occurred elements			

Finger activity	Close to keys	2	4%
Slur	2 or more notes slur	2	4%
	General	2	4%
Legato	General	2	4%
Hand coordination	Move freely	2	4%
Technique elements not listed in framework			
Finger activity	3 notes together	2	4%
Arpeggio		2	4%

The most frequently occurring technique element is hands play together in the category of hands coordination; it occurs on 27 pages or 59% of the total number of pages analyzed in this book. The second most frequently occurring technique element is 5 fingers pattern in the category of scale. It occurs on 24 pages or 52% of the total number of pages analyzed. The third most frequently occurring technique is parallel motion in category of hands coordination. It occurs on 22 pages or 48% of the total number of pages analyzed. The fourth most frequently occurring element is curved finger tip and repeated on 14 pages or 30% of the total number of pages analyzed. The fifth most frequently occurring elements are right hand only and left hand only; they occur on 12 pages or 26% of the total number of pages analyzed. There are 7 technique elements occurring twice in this book.

3.1.4 (b) Categories of technique elements

In table 17f, all the technique elements are grouped into categories of technique concepts.

Table 17f

Technique Summarized by Category (Music for Piano Finger Builders Book 1 Revised)

Music for Piano Finger Builders Book 1 Revised (2007)					
Category of technique listed in framework	Occurrences (No. of pages)	Percentage*	Category of technique listed in framework	Occurrences (No. of pages)	Percentage*

Relaxation	0	0%	Lateral movement	0	0%
Mind involvement	0	0%	Slur	4	2%
Tone quality	0	0%	Staccato	4	2%
Listening skill	0	0%	Legato	2	1%
Sitting posture	0	0%	Dynamics & Tenuto	25	11%
Hand position	19	9%	Phrasing	0	0%
Use of fingers	0	0%	Scale	29	13%
Upper/forearm movement	5	2%	Pedaling	0	0%
Wrist movement	15	7%	Hands coordination	91	41%
Finger activity	10	5%			
Category of technique not listed in framework					
Sensation	10	5%	Arpeggio	2	1%
Broken chord	5	2%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hands coordination with 41% of all technique element occurrences. The other most prevalent categories are scale playing (13%) and dynamics and tenuto (11%) with one third of the highest occurrence element. Nine categories with technique elements listed in the framework are omitted in this method book.

3.1.4 (c) Technique elements categorized by methods of reinforcement

In table 17g, the technique elements with their type of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 17g

Type of Presentation of Reinforcement (Music for Piano Finger Builders Book 1 Revised)

Music for Piano Finger Builders Book 1 Revised (2006)					
Types of presentation of reinforcement	Activity	Written instruction	Signs/notes written on music	Use of picture as guide without explanation	Checklist
	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements

	Move freely	Curved fingers	Parallel motion	LH only	Curved fingers
		Firm fingers	Hands play together	RH only	Firm fingers
		Feel the weight in fingertips	Five finger position	Five fingers position	Feel the weight in fingertips
		Broken chord	Contrary motion	Hands play together	Pull up slightly
		Firm Knuckles	Slur	Hands play alternatively	
		RH only	Staccato		
		LH only	Broken chord		
		Wrist rotation	3 notes together		
		Dynamics (loud & soft),	Hands play alternatively		
		Crescendo	Scale-tetrachords		
		Decrescendo	Dynamics (f)		
		Finger close to keys	Crescendo		
		Legato	Diminuendo		
		Staccato	Minor arpeggio		
		Hands play together	2 notes slur		
		Pull up slight (release note)			
		Balance between hands			
No. of page	1	30	34	12	3
Percent of total pages (46)	2%	65%	74%	26%	7%

The most frequent type of presentation to reinforce technique concepts is signs/notes written on music with 74% of the total number of pages. It is used to enhance the technique in the following categories: hands coordination (parallel motion, contrary motion, hands play together and alternatively), dynamics (crescendo, diminuendo and forte), scale playing (five fingers pattern and tetrachords), finger activity (2 and 3 notes together), slur (2 notes or more slur), staccato, broken chord and arpeggio. The other types of presentation (written instruction and use of pictures) are used with 65% and 26% of the total number of pages.

L. Music Pathways Discoveries Lesson Book A (1983)

3.1.1 Phase I. Introduction of New Technique Elements

Table 18a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 18a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Music Pathways Discoveries Lesson Book A)

Music Pathways Discoveries Lesson Book A (1983)		
	No. of pages	% of pages with new technique elements
Number of pages analyzed	61	
Pages containing new technique elements	10 (with 18 elements)	
Pages containing new technique elements	18	
Type of presentation		
Explanation in words	7	70%
Analogy	0	0%
Cartoon	5	50%
Photo	0	0%
Other	6	60%
Category		
Musical development	6	60%
Biomechanical development	10	100%

There are a total of 61 pages analyzed in this method book and a total of 10 pages where new technique elements are introduced. There is more emphasis on biomechanical development (100% of the pages containing new techniques) as compared to musical development (60%).

The most commonly used types of presentations are explanation in words and other. The type of presentation identified as “other” was further broken down as shown in table 18b.

Table 18b

Occurrences of New Techniques Using “Other” Type of Presentation (Music Pathways Discoveries Lesson Book A)

Music Pathways Discoveries Lesson Book A (1983)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Pages containing “other:” type of presentation		Pages (number and percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
10	10	6	60%	1	10%	1	10%	4	40%	2	20%

“Pictures as guide without explanation” is the most commonly used of the “other” subcategories.

3.1.2 Phase II. Occurrence of Technique Elements

Table 18c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 18c

Occurrences and Recurrences of All Technique Elements (Music Pathways Discoveries Lesson Book A)

Music Pathways Discoveries Lesson Book A (1983)				
Technique elements	Total occurrences		Total occurrences (no. of pages) by category	
	Pages	Percent of pages	Musical	Bio-mechanical
Relaxation				
Mind involvement	4	7%	4	4
Tone quality				
Listening skill	8	13%	8	

<i>Position</i>					
Sitting posture	Distance				
	Height				
	Sitting area				
	Sit tall/straight				
	Feet on floor/stool				
	Shoulder free				
Hand position	Hand level				
	Wrist level				
	Forearm level				
	Elbow level				
	Curved finger tips				
	Arched hand				
	General	3	5%		3
Use of fingers	Finger pad				
	Thumb				
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom	1	2%		1
	Finger tip support/strong				
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering	1	2%		1
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General				
Staccato	Finger				
	Wrist				
	Forearm				
	General	3	5%	3	3
Legato	Rotary				
	General	10	16%	10	10
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General	55	90%	55	55
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern				
Pedaling		1	2%	1	
Hand coordination	RH only	16	26%		16

	LH only	16	26%		16
	Balance				
	Together	8	13%		8
	Alternatively	51	84%		51
	Parallel motion				
	Contrary motion				
	Move freely	7	11%		7
Not in framework	Clusters	5	8%		5
	2 notes together	16	26%		16
	Wrist free	1	2%		1
	3 notes together	1	2%		1
Number of technique elements*		207		81	198
Category as percent of total technique elements				39%	98%
Total no. of technique elements (not including recurrences)		18		6	16

* does not count the recurrence of the same technique element within the same page

A total of 18 technique elements are introduced in this method book. Of those, 14 elements are listed in the framework and 4 elements not. 98% of the technique elements enhance the biomechanical development in piano playing and less than half (39%) of the technique elements enhance the musical development in piano playing. Two categories of technique elements are most prevalent: hand coordination and dynamics. There are 46 technique elements omitted in this method book.

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 18d shows the rate at which new technique elements are introduced in the method book.

Table 18d

Frequency of New Technique Elements Introduced (Music Pathways Discoveries Lesson Book A)

Music Pathways Discoveries Lesson Book A (1983)	
	No. of pages
Total number of pages	61
Pages with new technique elements	10
Ratio of total pages to pages with new technique elements	6.1
Total number of technique elements: 18	

In this method book, there is a page with one or more new technique elements on average every 6.1 pages. There are 10 pages containing 18 new elements. On average there are 1.8 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Elements

3.1.4 (a) Occurrence of technique elements

In table 18e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented.

Table 18e

Most Frequently and Least Frequently Occurring Technique Elements (Music Pathways Discoveries Lesson Book A)

Music Pathways Discoveries Lesson Book A (1983)			
Technique elements		Total Occurrence	
		Pages	Percent of pages
Five most frequently occurred elements			
Dynamics	General	55	90%
Hand coordination	Alternatively	51	84%
Hand coordination	RH only	16	26%
	LH only	16	26%
Technique elements not listed in framework			
Finger activity	2 notes together	16	26%
Five least occurred elements			
Upper/forearm	Forearm freedom	1	2%
Finger activity	Fingering	1	2%
Pedaling		1	2%
Technique elements not listed in framework			
Wrist movement	Wrist free	1	2%
Finger activity	3 notes together	1	2%

The most frequent occurring technique is general control of dynamics; it occurs on 55 pages or 90% of the total number of pages analyzed in this book. The second most frequently occurring technique element is hands play alternatively. It occurs on

51 pages or 84% of the total number of pages analyzed. The third to fifth most frequently occurring techniques are right hand only, left hand only in the category of hands coordination and 2 notes together in the category of finger activity; they repeated on 16 pages or 26% of the total number of pages analyzed. There are 5 technique elements only occurring once and never repeated again.

3.1.4 (b) Categories of technique elements

In table 18f, all the technique elements are grouped into categories of technique concepts.

Table 18f

Technique Summarized by Category (Music Pathways Discoveries Lesson Book A)

Music Pathways Discoveries Lesson Book A (1983)					
Category of technique listed in framework	Occurrences (No. of pages)	Percentage*	Category of technique listed in framework	Occurrences (No. of pages)	Percentage*
Relaxation	0	0%	Lateral movement	0	0%
Mind involvement	4	2%	Slur	0	0%
Tone quality	0	0%	Staccato	3	1%
Listening skill	8	4%	Legato	10	5%
Sitting posture	0	0%	Dynamics & Tenuto	55	27%
Hand position	3	1%	Phrasing	0	0%
Use of fingers	0	0%	Scale	0	0%
Upper/forearm movement	1	0.5%	Pedaling	1	0.5%
Wrist movement	1	0.5%	Hands coordination	98	47%
Finger activity	23	11%			
Category of technique not listed in framework					
Sensation	0	0%	Arpeggio	0	0%
Broken chord	0	0%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hands coordination with 47% of all technique element occurrences. The other most prevalent categories are

dynamics and tenuto (27%) and finger activity (11%). Eight categories with technique elements listed in the framework are omitted in this method book.

3.1.4 (c) Technique Elements Categorized by Types of Presentation of Reinforcement

In table 18g, the technique elements with their type of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 18g

Type of Presentation of Reinforcement (Music Pathways Discoveries Lesson Book A)

Music Pathways Discoveries Lesson Book A (1983)						
Types of presentation of reinforcement	Activity	Written instruction	Signs/notes written on music	Use of picture	Question	Daily Exercise
	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements
	Move freely	Clusters	Hands play alternatively	RH only	Mind involvement	Legato
	Mind involvement	Good hand shape	Dynamics (f, p)	LH only	Listening skill	RH only
		LH only	Hands play together	Cluster		LH only
		Dynamics (f, p)	RH only	Hands play alternatively		
		RH only	LH only	2 notes together		
		Legato	Legato	Hands play together		
		Listening skill	2 notes together			
			Cluster			
			Staccato			
No. of pages	7	12	54	19	2	6
Percent of total pages (61)	11%	20%	89%	31%	3%	10%

The most frequent type of presentation to reinforce technique concepts is signs/notes written on music with 89% of the total number of pages analyzed. It is used to enhance the technique in the following categories: hands coordination (hands

play alternatively, hands together, right hand only and left hand only), the general control of dynamics in the category of dynamic and tenuto, staccato and legato, finger activity (2 notes together) and scale playing (cluster).

M. Piano Adventure Primer Lesson Book (2011)

3.1.1 Phase I. Introduction of New Technique Elements

Table 19a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 19a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Piano Adventure Primer Lesson Book)

Piano Adventure Primer Lesson Book (2011)			
		No. of pages	% of pages with new technique elements
Number of pages		68	
Pages containing new technique elements		15 (with 29 elements)	
Types of presentation	Explanation in words	8	53%
	Analogy	2	13%
	Cartoon	5	33%
	Photo	0	0%
	Other	10	67%
Category	Musical development	5	33%
	Biomechanical development	15	100%

There are a total of 68 pages analyzed in this method book and a total of 15 pages where new technique elements are introduced. There is more emphasis on biomechanical development (100% of the pages containing new techniques) as compared to musical development (33%).

The most commonly used types of presentations are explanation in words and other. The type of presentation identified as “other” was further broken down as shown in table 19b.

Table 19b

Occurrences of New Techniques Using “Other” Type of Presentation (Piano Adventure Primer Lesson Book)

Piano Adventure Primer Lesson Book (2011)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Pages containing “other” type of presentation		Pages (number and percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
15	12	10	67%	4	27%	3	20%	0	0%	5	33%

“Direct instruction without explanation” is the most commonly used of the “other” subcategories.

3.1.2 Phase II. Occurrence of Technique Elements

Table 19c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 19c

Occurrences and Recurrences of all Technique Elements (Piano Adventure Primer Lesson Book)

Piano Adventure Primer Lesson Book (2011)					
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category	
		Pages	Percent of pages	Musical	Bio-mechanical
Relaxation		1	1%		1
Mind involvement		8	12%	8	8
Tone quality					
Listening skill		4	6%	4	
<i>Position</i>					
Sitting posture	Distance	1	1%		1
	Height	1	1%		1
	Sitting area	1	1%		1
	Sit tall/straight	1	1%		1
	Feet on floor/stool				
	Shoulder free	1	1%		1
Hand position	Hand level	1	1%		1
	Wrist level				
	Forearm level	1	1%		1
	Elbow level				
	Curved finger tips	7	10%		7
	Arched hand	1	1%		1
	General	1	1%		1
Use of fingers	Finger pad				
	Thumb	1	1%		1
	Fifth finger	1	1%		1
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong	3	4%		3
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence	1	1%		1
	Fingering	35	51%		35
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General				
Staccato	Finger				
	Wrist				
	Forearm				

	General				
Legato	Rotary				
	General				
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo	2	3%	2	2
	General	47	69%	47	47
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern	13	19%		13
Pedaling		3	4%		3
Hand coordination	RH only	10	15%		10
	LH only	7	10%		7
	Balance				
	Together	9	13%	9	9
	Alternatively	45	66%		45
	Parallel motion				
	Contrary motion				
	Move freely	14	21%		14
Not in framework	Wrist loose	1	1%		1
	2 notes together	8	12%		8
Number of technique elements*		229		70	225
Category as percent of total technique elements				31%	98%
Total no. of technique elements (not including recurrences)		29		5	28

* does not count the recurrence of the same technique elements

A total of 28 technique elements are introduced in this method book. Of those, 27 elements are listed in the framework and 2 elements not. 98% of the technique elements enhance the biomechanical development in piano playing and less than one third (31%) of the technique elements enhance the musical development in piano playing. Three categories of technique elements are most prevalent: hand coordination, dynamics and finger activity. There are 33 technique elements omitted in this method book.

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 19d shows the rate at which new technique elements are introduced in the method book.

Table 19d

Frequency of New Technique Elements Introduced (Piano Adventure Primer Lesson Book)

Piano Adventure Primer Lesson Book (2011)	
	No. of pages
Total number of pages	68
Pages with new technique elements	15
Ratio of total pages to pages with new technique elements	4.5
Total number of technique elements: 29	

In this method book, there is a page with one or more new technique elements on average every 4.5 pages. There are 15 pages containing 29 new elements. On average there are 1.9 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Concepts

3.1.4 (a) Occurrence of Technique Elements

In table 19e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented.

Table 19e

Most Frequently and Least Frequently Occurring Technique Elements (Piano Adventure Primer Lesson Book)

Piano Adventure Primer Lesson Book (2011)			
Technique elements		Total Occurrence	
		Pages	Percent of pages
Five most frequently occurred elements			
Dynamics	General	47	69%
Hand coordination	Alternatively	45	66%
Finger activity	Fingering	35	51%
Hand coordination	Move freely	14	21%
Scale	5 fingers pattern	13	19%
Five least occurred elements			
Relaxation		1	1%
Sitting posture	Distance	1	1%

	Height	1	1%
	Sitting area	1	1%
	Sit tall/straight	1	1%
	Shoulder free	1	1%
Hand position	Hand level	1	1%
	Forearm level	1	1%
	Arched hand	1	1%
	General	1	1%
Use of fingers	Thumb	1	1%
	Fifth finger	1	1%
Finger activity	Independence	1	1%
Technique elements not listed in framework			
Wrist movement	Wrist loose	1	1%

The most frequently occurring technique element is general control of dynamics; it occurs on 47 pages or 69% of the total number of pages analyzed in this book. The second most frequently occurring technique is hands play alternatively. It occurs on 45 pages or 66% of the total number of pages analyzed. The third most frequently occurring technique is fingering, it occurs on 35 pages or 51% of the total number of pages analyzed. The fourth and the fifth most frequently occurring technique are move freely and 5 fingers pattern of scale. They occur on 14 pages or 21% and 13 pages or 19% of the total number of pages analyzed respectively. There are 14 technique elements only occurring once and never repeated again.

3.1.4 (b) Categories of technique elements

In table 19f, all the technique elements are grouped into categories of technique concepts.

Table 19f

Technique Summarized by Category (Piano Adventure Primer Lesson Book)

Piano Adventure Primer Lesson Book (2011)					
Category of technique listed in framework	Occurrences	Percentage*	Category of technique listed in framework	Occurrences	Percentage*
Relaxation	1	0.4%	Lateral movement	0	0%
Mind involvement	8	4%	Slur	0	0%
Tone quality	0	0%	Staccato	0	0%
Listening skill	4	2%	Legato	0	0%
Sitting posture	6	3%	Dynamics & Tenuto	49	21%
Hand position	10	4%	Phrasing	0	0%
Use of fingers	2	0.9%	Scale	13	6%
Upper/forearm movement	3	1%	Pedaling	3	1%
Wrist movement	1	0.4%	Hands coordination	85	37%
Finger activity	44	19%			
Category of technique not listed in framework					
Sensation	0	0%	Arpeggio	0	0%
Broken chord	0	0%			

The highest occurrence rate is in the category of hands coordination 37% of all technique element occurrences. The other most prevalent categories are dynamics and tenuto (21%) and finger activity (19%). Six categories with technique elements listed in the framework are omitted in this method book.

3.1.4 (c) Technique Elements Categorized by Type of Presentation of Reinforcement

In table 19g, the technique elements with their types of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 19g

Type of Presentation Reinforcement (Piano Adventure Primer Lesson Book)

Piano Adventure Primer Lesson (2011)					
Types of Presentation of reinforcement	Activity	Written instruction	Signs/notes written on music	Use of picture as guide	Practice journal/Plan/Step/Direction
	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements
	Mind involvement	Listening skill	LH only	Fingering	Curved finger tips
	Fingering	Curved fingers	RH only	Five finger position	Fingering
	Move freely	Hands play alternatively	Hands play alternatively	Curved finger	
	Curved finger	Move freely	Dynamics (f, p, mf)		
	Listening skill	Hand position	Five finger position		
		Pedaling	2 notes together		
		Hands play together			
No. of pages	18	6	57	6	6
Percent of total pages (68)	26%	8%	84%	9%	9%

Piano Adventure Primer Lesson (2011)				
Types of Presentation of reinforcement	Question	Finger Check	Discovery	Technique check
	Technique elements	Technique elements	Technique elements	Technique elements
	Mind involvement	Firm fingertips	Mind involvement	Curved finger
	Fingering		Hands play together	
			Firm finger tip	
No. of pages	26	1	2	1
Percent of total pages (68)	38%	1%	3%	1%

The most frequent type of presentation to reinforce technique concepts is signs/notes written on music with 84% of the total number of pages. It is used to enhance the technique in the following categories: hand coordination (right hand only, left hand only, hands play together and alternatively), dynamics, finger activity (2 notes together) and scale playing (5 fingers pattern). The second most frequent type of

presentation to reinforce technique concepts is question with 38% of the total number of pages. It is used to enhance the technique categories of mind involvement and finger activity (fingerings). The third most frequent type of presentation to reinforce technique concepts is activity with 26% of the total number of pages.

N. *Piano Adventure Primer Technique Book (2011)*

3.1.1 Phase I. Introduction of New Technique Elements

Table 20a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 20a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Piano Adventure Primer Technique Book)

Piano Adventure Primer Technique Book (2011)			
		No. of pages	% of pages with new technique elements
Number of pages analyzed		29	
Pages containing new technique elements		10 (with 28 elements)	
Types of presentation	Explanation in words	7	70%
	Analogy	2	20%
	Cartoon	2	20%
	Photo	0	0%
	Other	6	60%
Category	Musical development	6	60%
	Biomechanical development	10	100%

There are a total of 29 pages analyzed in this method book and a total of 10 pages where new technique elements are introduced. There is more emphasis on

biomechanical development (100% of pages containing new techniques) as compared to musical development (60%).

The most commonly used types of presentation are explanation in words and other. The type of presentation identified as “other” was further broken down as shown in table 20b.

Table 20b

Occurrences of New Techniques Using “Other” Type of Presentation (Piano Adventure Primer Technique Book)

Piano Adventure Primer Technique Book (2011)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Pages containing "other" type of presentation		Pages (number and percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
10	12	6	40%	2	20%	3	30%	0	0%	5	50%

“Direct instruction without explanation” is the most commonly used of the “other” subcategories.

3.1.2 Phase II. Occurrence of Technique Elements

Table 20c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 20c

Occurrences and Recurrences of all Technique Elements (Piano Adventure Primer Technique Book)

Piano Adventure Primer Technique Book (2011)					
Technique elements		Pages containing technique element		Total occurrences (no, of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation		1	3%		1
Mind involvement		14	48%	14	14
Tone quality					
Listening skill		4	14%	4	
<i>Position</i>					
Sitting posture	Distance	1	3%		1
	Height				
	Sitting area	1	3%		1
	Sit tall/straight	1	3%		1
	Feet on floor/stool				
	Shoulder free				
Hand position	Hand level				
	Wrist level	1	3%		1
	Forearm level				
	Elbow level				
	Curved finger tips	4	14%		4
	Arched hand	9	31%		9
Use of fingers	General				
	Finger pad				
	Thumb	5	17%		5
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight	4	14%		4
	Arm drop	1	3%		1
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong	9	31%		9
Wrist	Drop				
	Roll	3	10%		3
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering	2	7%		2
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General				
Staccato	Finger				
	Wrist				

	Forearm				
	General				
Legato	Rotary				
	General				
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General	27	93%	27	27
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern	2	7%		2
Pedaling		6	21%		6
Hand coordination	RH only	6	21%		6
	LH only	6	21%		6
	Balance	2	7%	2	2
	Together	4	14%		4
	Alternatively	14	48%		14
	Parallel motion				
	Contrary motion				
	Move freely	14	48%		14
Not in framework	Body: middle of keyboard	1	3%		1
	3 notes together	2	7%		2
	2 notes together	4	14%		4
	Good sitting posture	1	3%		1
Number of technique elements*		149		47	145
Category as percent of total technique elements				32%	97%
Total no. of technique elements (not including recurrences)		28		4	27

* does not count the recurrence of the same technique element within the same page

A total of 28 technique elements are introduced in this method book. Of those, 24 elements are listed in the framework and 4 elements not. 97 % of the technique elements enhance the biomechanical development in piano playing and 32% of technique elements enhance the musical development in piano playing. Two categories of technique elements are most prevalent: hand coordination and dynamics. There are 36 technique elements omitted in this method book.

3.1.3 Phase III. Rate of New Technique Elements

Table 20d shows the rate at which new technique elements are introduced in the method book.

Table 20d

Frequency of New Technique Elements Introduced (Piano Adventure Primer Technique Book)

Piano Adventure Primer Technique Book (2011)	
	No. of pages
Total number of pages	29
Pages with new technique elements	10
Ratio of total pages to pages with new technique elements	2.9
Total number of technique elements: 28	

In this method book, there is a page with one or more new technique elements on average every 2.9 pages. There are 10 pages containing 28 new elements. On average there are 2.8 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Elements

3.1.4 (a) Occurrence of technique elements

In table 20e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented.

Table 20e

Most Frequently and Least Frequently Occurring Technique Elements (Piano Adventure Primer Technique Book)

Piano Adventure Primer Technique Book (2011)			
Technique elements		Total occurrence	
		Pages	Percent of pages
Five most frequently occurred elements			
Dynamics	General	27	93%
Mind involvement		14	48%

Hands coordination	Alternatively	14	48%
	Move freely	14	48%
Hand position	Arched hand	9	31%
Upper/forearm	Finger tip support/strong	9	31%
Five least occurred elements			
Relaxation		1	3%
Sitting posture	Distance	1	3%
	Sitting area	1	3%
	Sit tall/straight	1	3%
Hand position	Wrist level	1	3%
Upper/forearm	Arm drop	1	3%
Technique elements not listed in framework			
Sitting posture	Body: middle of keyboard	1	3%
	Good sitting posture	1	3%

The most frequently occurring technique element is the general control of dynamics; it occurs on 27 pages or 93% of the total number of pages analyzed in this book. The second to fourth most frequently occurring technique are mind involvement, hands play alternative and move freely in the category of hands coordination. They occur on 14 pages 48% of the total number of pages analyzed. The fifth most frequently occurring technique is finger tip support /strong in the category of upper/forearm movement. It occurs on 9 pages or 31% of the total number of pages analyzed. There are 8 technique elements only occurring once and never repeated again.

3.1.4 (b) Categories of technique elements

In table 20f, all the technique elements are grouped into categories of technique concepts.

Table 20f

Technique Summarized by Category (Piano Adventure Primer Technique Book)

Piano Adventure Primer Technique Book (2011)					
Category of technique listed in framework	Occurrences (No. of pages)	Percentage*	Category of technique listed in framework	Occurrences (No. of pages)	Percentage*
Relaxation	1	0.7%	Lateral movement	0	0%
Mind involvement	14	9%	Slur	0	0%
Tone quality	0	0%	Staccato	0	0%
Listening skill	4	3%	Legato	0	0%
Sitting posture	5	3%	Dynamics & Tenuto	27	16%
Hand position	14	9%	Phrasing	0	0%
Use of fingers	5	3%	Scale	2	1%
Upper/forearm movement	14	9%	Pedaling	6	4%
Wrist movement	3	2%	Hands coordination	46	30%
Finger activity	8	5%			
Category of technique not listed in framework					
Sensation	0	0%	Arpeggio	0	0%
Broken chord	0	0%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hands coordination 30% of all technique element occurrences. The other most prevalent categories are dynamics and tenuto (16%), mind involvement (9%), hand position (9%) and Upper/forearm movement (9%). Six categories with technique elements listed in the framework are omitted in this method book.

3.1.4 (c) Technique Elements Categorized by Type of Presentation of Reinforcement

In table 20g, the technique elements with their type of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 20g

Type of Presentation of Reinforcement (Piano Adventure Primer Technique Book)

Piano Adventure Primer Technique Book (2011)							
Types of presentation of reinforcement	Activity	Written instruction	Signs/ notes written on music	Use of picture as guide	Question	Technique secret	Artistry magic
	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements
	Hand position	Fingering	LH only	Firm fingertips	Rounded hand	Firm fingertips	Dynamics (f, p, mf)
	Move freely	Firm fingertips	RH only		Firm fingertip	Hand position	Balance hand
	Mind involvement	Dynamics (soft, medium loud)	Dynamics (f, mf, p)		Mind involvement	Round hand shape	Move freely
	Arm weight	Five finger position	Wrist (lift)			Arm weight	Mind involvement
	Good sitting posture	Listening skill	Hands play alternatively			Use of thumb	
	Use of thumb	Round hand shape	2 notes together			Good sitting posture	
	Curved fingertips	Pedaling					
No. of page	19	11	23	2	5	16	6
Percent of total pages (28)	68%	39%	82%	7%	18%	57%	10%

The most frequent type of presentation to reinforce the technique concepts is signs/notes written on music with 82% of the total number of pages. It is used to enhance the technique in the following categories: hands coordination (right hand only, left hand only and hands play alternatively), dynamics and tenuto, wrist movement and finger activity (2 notes together). The second most frequent type of presentation is activity with 68% of the total number of pages. It is used to enhance the technique in the following categories: mind involvement, hand position (curved fingertips), hands coordination (move freely), finger activity (use of thumb), upper/forearm movement (arm weight) and sitting posture. The third most frequent type of presentation is technique secret with 57% of the total number of pages. It is used to enhance the technique in the following categories: hand position (round hand shape), sitting

posture, finger activity (use of thumb), and upper/forearm movement (arm weight and fingertips firm). The remaining types of presentation are used less than 50% of the total number of pages analyzed.

O. Piano Discoveries On-Staff Starter (2001)

3.1.1 Phase I. Introduction of New Technique Elements

Table 21a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 21a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Piano Discoveries On-Staff Starter)

Piano Discoveries On-Staff Starter (2001)			
		No. of pages	% of pages with new technique elements
Number of pages analyzed		42	
Pages containing new technique elements		12 (with 15 elements)	
Types of presentation	Explanation in words	10	83%
	Analogy	0	0%
	Cartoon	1	8%
	Photo	0	0%
	Other	3	25%
Category	Musical development	7	58%
	Biomechanical development	12	100%

There are a total of 42 pages analyzed in this method book and a total of 12 pages where new technique elements are introduced. There is more emphasis on biomechanical development (100% of the pages containing new techniques) as compared to musical development (58%).

The most commonly used types of presentation are explanation in words and other. The type of presentation identified as “other” was further broken down as shown in table 21b.

Table 21b

Occurrences of New Technique Using “Other” Type of Presentation (Piano Discoveries On-Staff Starter

Piano Discoveries On-Staff Starter (2001)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Pages containing “other” type of presentation		Pages (number and percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
12	3	3	25%	0	0%	2	17%	0	0%	1	8%

“Signs/Notes on music without explanation” is the most commonly used of the “other” subcategories.

3.1.2 Phase II. Occurrence of Technique Elements

Table 21c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 21c

Occurrences and Recurrences of all Technique Elements (Piano Discoveries On-Staff Starter)

Piano Discoveries On-Staff Starter (2001)					
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation		1	2%		1
Mind involvement					
Tone quality					
Listening skill					
<i>Position</i>					
Sitting posture	Distance				
	Height				
	Sitting area	1	2%		1
	Sit tall/straight	1	2%		1
	Feet on floor/stool	1	2%		1
	Shoulder free				
Hand position	Hand level				
	Wrist level	1	2%		1
	Forearm level	1	2%		1
	Elbow level				
	Curved finger tips	2	5%		2
	Arched hand				
Use of fingers	General				
	Finger pad				
	Thumb				
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong	2	5%		2
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering	1	2%		1
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General				
Staccato	Finger				
	Wrist				

	Forearm				
	General				
Legato	Rotary				
	General				
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General	31	74%	31	31
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern				
Pedaling					
Hand coordination	RH only	11	26%		11
	LH only	9	21%		9
	Balance				
	Together				
	Alternatively	17	40%		17
	Parallel motion				
	Contrary motion				
	Move freely	2	5%		2
Not in framework	Accent	2	5%	2	2
Number of technique elements*		83		33	83
Category as percent of total technique				40%	100%
Total no. of technique elements (not including recurrences)		15		2	15

* does not count the recurrence of the same technique element within the same page

A total of 15 technique elements are introduced in this method book. Of those, 14 elements are listed in the framework and 1 element not. 100% of the technique elements enhance the biomechanical development in piano playing and less than half (40%) of the technique elements enhance the musical development in piano playing. Two categories of technique elements are most prevalent: dynamics and hand coordination. There are 46 technique elements omitted in this method book.

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 21d shows the rate at which new technique elements are introduced in the method book.

Table 21d

Frequency of New Technique Elements Introduced (Piano Discoveries On-Staff Starter)

Piano Discoveries On-Staff Starter (2001)	
	No. of pages
Total number of pages	42
Pages with new technique elements	12
Ratio of total pages to pages with new technique elements	3.5
Total number of technique elements: 15	

In this method book, there is a page with one or more new technique elements on average every 3.5 pages. There are 12 pages containing 15 elements. On average there are 1.3 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Elements

3.1.4 (a) Occurrence of technique elements

In table 21e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented.

Table 21e

Most Frequently and Least Frequently Occurring Technique Elements (Piano Discoveries On-Staff Starter)

Piano Discoveries On-Staff Starter (2001)			
Technique elements		Total Occurrence	
		Pages	Percent of pages
Five most frequently occurred elements			
Dynamics	General	31	74%
Hand coordination	Alternatively	17	40%

Hand coordination	RH only	11	26%
	LH only	9	21%
Hand position	Curved finger tips	2	5%
Upper/forearm	Finger tip support/strong	2	5%
Hand coordination	Move freely	2	5%
Technique elements not listed in framework			
Dynamic	Accent	2	5%
Five least occurred elements			
Relaxation		1	2%
Sitting posture	Sitting area	1	2%
	Sit tall/straight	1	2%
	Feet on floor/stool	1	2%
Hand position	Wrist level	1	2%
	Forearm level	1	2%
Finger activity	Fingering	1	2%

The most frequently occurring technique element is general dynamics control; it occurs on 31 pages or 74% of the total number of pages analyzed in book. The second most frequently occurring technique element is hands play alternatively. It occurs on 17 pages or 40% the total number of pages analyzed. The third and the fourth most frequently occurring technique elements are right hand only and left hand; they repeat on 11 pages and 9 pages or 26% and 21% of the total number of pages analyzed respectively. The fifth most frequently occurring technique elements are curve fingertips, finger tip support/strong, move freely and accent repeat on 2 pages or 5% of the total number of pages analyzed. There are 7 elements only occurring once and never repeated again.

3.1.4 (b) Categories of technique elements

In table 21f, all the technique elements are grouped into categories of technique concepts.

Table 21f

Technique Summarized by Category (Piano Discoveries On-Staff Starter)

Piano Discoveries On-Staff Starter (2001)					
Category of technique listed in framework	Occurrences (No. of pages)	Percentage*	Category of technique listed in framework	Occurrences (No. of pages)	Percentage*
Relaxation	1	1%	Lateral movement	0	0%
Mind involvement	0	0%	Slur	0	0%
Tone quality	0	0%	Staccato	0	0%
Listening skill	0	0%	Legato	0	0%
Sitting posture	3	4%	Dynamics & Tenuto	33	40%
Hand position	4	5%	Phrasing	0	0%
Use of fingers	0	0%	Scale	0	0%
Upper/forearm movement	2	2%	Pedaling	0	0%
Wrist movement	0	0%	Hand coordination	39	47%
Finger activity	1	1%			
Category of technique not listed in framework					
Sensation	0	0%	Arpeggio	0	0%
Broken chord	0	0%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hand coordination with 47% of all technique element occurrences. The other most prevalent category is dynamics and tenuto (40%). Twelve categories with technique elements listed in the framework are omitted in this method book.

3.1.4 (c) Technique Elements Categorized by Types of Presentation of Reinforcement

In table 21g, the technique elements with their type of presentation of

reinforcement and the total number of pages of different method of reinforcement are presented.

Table 21g

Type of Presentation of Reinforcement (Piano Discoveries On-Staff Starter)

Piano Discoveries On-Staff Starter (2001)			
Types of Presentation of reinforcement	Activity	Written instruction	Signs/notes written on music
	Technique elements	Technique elements	Technique elements
	Move freely	Curved finger	RH only
		Supported finger	LH only
			Dynamics (f, p, mf, mp)
			Hands play alternatively
No of page	1	2	34
Percent of total pages (42)	2%	5%	81%

The most frequent type of presentation to reinforce technique concepts is signs/note written on music with 81% of the total number of pages. It is used to enhance the technique in the following categories: hand coordination (right hand only, left hand only and hands play alternatively) and dynamics. The other types of presentation (activity and written instruction) are used about the same amount.

P. Piano Town Method Primer Lesson Book (2004)

3.1.1 Phase I. Introduction of New Technique Elements

Table 22a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing

the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 22a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Piano Town Method Primer Lesson Book)

Piano Town Method Primer Lesson Book (2004)			
		No. of pages	% of pages with new technique elements
Number of pages analyzed		58	
Pages containing new technique elements		13 (with 25 elements)	
Types of presentation	Explanation in words	6	46
	Analogy	0	0
	Cartoon	4	31
	Photo	0	0
	Other	9	69
Category	Musical development	7	54
	Biomechanical development	12	92

There are a total of 58 pages analyzed in this method book and a total of 13 pages where new technique elements are introduced. There is more emphasis on biomechanical development (92% of pages containing new techniques) as compared to musical development (54%).

The most commonly used types of presentations are explanation in words and other. The type of presentation identified as “other” was further broken down as shown in table 22b.

Table 22b

Occurrences of New Techniques Using “Other” Type of Presentation (Piano Town Method Primer Lesson Book)

Piano Town Method Primer Lesson Book (2004)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Pages containing “other” type of presentation		Pages (number and percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
13	9	9	62%	1	8%	6	46%	2	15%	0	0%

“Signs/notes on music without explanation” is the most commonly used of the “other” subcategories.

3.1.2 Phase II. Occurrence of Technique Elements

Table 22c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 22c

Occurrences and Recurrences of all Technique Elements (Piano Town Method Primer Lesson Book)

Piano Town Method Primer Lesson Book (2004)				
Technique elements	Pages containing technique element		Total occurrences (no. of pages by category)	
	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation				
Mind involvement	6	10%	6	6
Tone quality				
Listening skill				
<i>Position</i>				

Sitting posture	Distance				
	Height				
	Sitting area	1	2%		1
	Sit tall/straight	1	2%		1
	Feet on floor/stool	1	2%		1
	Shoulder free				
Hand position	Hand level				
	Wrist level				
	Forearm level	1	2%		1
	Elbow level	1	2%		1
	Curved finger tips	1	2%		1
	Arched hand				
	General	1	2%		1
Use of fingers	Finger pad				
	Thumb	1	2%		1
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong				
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering	6	10%		6
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General	20	34%	20	20
Staccato	Finger				
	Wrist				
	Forearm				
	General	6	10%	6	6
Legato	Rotary				
	General	2	3%	2	2
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General	20	34%	20	20
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern	8	14%		8
Pedaling		2	3%	2	
Hand coordination	RH only	2	3%		2
	LH only	2	3%		2

	Balance				
	Together	12	21%		12
	Alternatively	46	79%		46
	Parallel motion				
	Contrary motion				
	Move freely	3	5%		3
Not in framework	First joint firm	1	2%		1
	Finger tip touch the keys	1	2%		1
	2 notes together	1	2%		1
	3 notes together	6	10%		6
Number of technique elements*		152		56	150
Category as percent of total technique elements				37%	98%
Total no. of technique elements (not including recurrences)		25		6	24

* does note count the recurrence of the same technique element within the same page

A total of 25 technique elements are introduced in this method book. Of those, 21 elements are listed in the framework and 4 elements not. 98% of the technique elements enhance the biomechanical development in piano playing and 37% of technique elements enhance the musical development in piano playing. Three categories of technique elements are most prevalent: hand coordination, dynamics and slur playing. There are 39 technique elements omitted in this method book

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 22d shows the rate at which new technique elements are introduced in the method book.

Table 22d

Frequency of New Technique Elements Introduced (Piano Town Method Primer Lesson Book)

Piano Town Method Primer Lesson Book (2004)	
	No. of pages
Total number of pages	58
Pages with new technique elements	13
Ratio of total pages to pages with new technique elements	4.5
Total number of technique elements: 25	

In this method book, there is a page with one or more new technique elements on average every 4.5 pages. There are 13 pages containing 25 new elements. On average there are 1.9 new technique elements per page that contains new technique.

3.1.4 Phase IV. Distribution of Reinforced Technique Elements

3.1.4 (a) Occurrence of technique elements

In table 22e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented.

Table 22e

Most Frequently and Least Frequently Occurring Technique Elements (Piano Town Method Primer Lesson Book)

Piano Town Method Primer Lesson Book (2004)			
Technique elements		Total Occurrence	
		Pages	Percent of pages
Five most frequently occurred elements			
Hand coordination	Alternatively	46	79%
Slur	General	20	34%
Dynamics	General	20	34%
Hand coordination	Together	12	21%
Scale	5 fingers pattern	8	14%
Five least occurred elements			

Sitting posture	Sitting area	1	2%
	Sit tall/straight	1	2%
	Feet on floor/stool	1	2%
Hand position	Forearm level	1	2%
	Elbow level	1	2%
	Curved finger tips	1	2%
	General	1	2%
Use of finger	Thumb	1	2%
Technique elements not listed in framework			
Hand position	First joint firm	1	2%
	Finger tip touch the keys	1	2%
Finger activity	2 notes together	1	2%

The most frequently occurring technique element is hands play alternatively in the category of hands coordination, it occurs on 46 pages or 79% of the total number of pages analyzed in this book. The second and the third most frequently occurring technique slur control and general dynamics, they occur on 20 pages or 34% of the total number of pages analyzed. The fourth and the fifth most frequent techniques are hands coordination and 5 fingers pattern of scale playing, they occur on 12 pages and 8 pages or 21% and 14% of the total number of pages in this method book. There are 11 technique elements only occurring once and never repeated again.

3.1.4 (b) Categories of technique elements

In table 22f, all the technique elements are grouped into categories of technique concepts.

Table 22f

Technique summarized by Category (Piano Town Method Primer Lesson Book)

Piano Town Method Primer Lesson Book (2004)					
Category of technique listed in framework	Occurrences (No. of pages)	Percentage*	Category of technique listed in framework	Occurrences (No. of pages)	Percentage*
Relaxation	0	0%	Lateral movement	0	0%
Mind involvement	6	4%	Slur	20	13%
Tone quality	0	0%	Staccato	6	4%
Listening skill	0	0%	Legato	2	1%
Sitting posture	3	2%	Dynamics & Tenuto	20	13%
Hand position	6	4%	Phrasing	0	0%
Use of fingers	1	0.7%	Scale	8	5%
Upper/forearm movement	0	0%	Pedaling	2	1%
Wrist movement	0	0%	Hand coordination	65	43%
Finger activity	13	9%			
Category of technique not listed in framework					
Sensation	0	0%	Arpeggio	0	0%
Broken chord	0	0%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hand coordination with 43% of all technique element occurrences. The other most prevalent categories are dynamics and tenuto (13%) and slur playing (13%). Seven categories with technique elements listed in the framework are omitted in this method book.

3.1.4 (c) Technique Elements Categorized by Type of Presentation of Reinforcement.

In table 22g, the technique elements with their type of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 22g

Type of Presentation of Reinforcement (Piano Town Method Primer Lesson Book)

Piano Town Method Primer Lesson (2004)				
Types of presentation of reinforcement	Activity	Written instruction	Signs/notes written on music	Question
	Technique elements	Technique elements	Technique elements	Technique elements
	Fingering	Legato	Hands play alternatively	Mind involvement
	Move freely		Five finger position	Fingering
			LH only	
			RH only	
			Slur	
			Dynamics (f, p)	
			Hands play together	
			3 notes together	
			Staccato	
No. of page	6	1	50	5
Percent of total pages (58)	10%	2%	86%	9%

The most frequent type of presentation to reinforcement technique concepts is signs/notes written on music with 86% of the total number of pages. It is used to enhance the technique in the following categories: hand coordination (right hand only, left hand only, hands play alternatively and hands play together), dynamics, slur playing, staccato, scale playing (five fingers pattern) and finger activity (3 notes together). The other types of presentation (activity and question) are used about the same amount.

Q. Piano Town Method Primer Technic Book (2004)

3.1.1 Phase I. Introduction of New Technique Elements

Table 23a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 23a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (Piano Town Method Primer Technic Book)

Piano Town Method Primer Technic Book (2004)			
		No. of pages	% of pages with new technique elements
Number of pages		31	
Pages containing new technique elements		10 (with 16 elements)	
Types of presentation	Explanation in words	0	0%
	Analogy	0	0%
	Cartoon	2	20%
	Photo	0	0%
	Other	9	90%
Category	Musical development	2	22%
	Biomechanical development	9	90%

There are a total of 31 pages analyzed in this method book and a total of 10 pages where new technique elements are introduced. There is more emphasis on biomechanical development (90% of the pages containing new techniques) as compared to musical development (22%).

The types of presentation used in this book are cartoon and other. The type of presentation identified as “other” was further broken down as shown in table 23b.

Table 23b

Occurrence of New Technique Using “Other” Type of Presentation (Piano Town Method Primer Technic Book)

Piano Town Method Primer Technic Book (2004)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Pages containing “other” type of presentation		Pages (number and percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
10	17	9	90%	1	11%	6	67%	2	22%	1	11%

“Sign/notes on music without explanation” is the most commonly used of the “other” subcategories.

3.1.2 Phase II. Occurrence of Technique Elements

Table 23c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 23c

Occurrences and Recurrences of all Technique Elements (Piano Town Method Primer Technic Book)

Piano Town Method Primer Technic Book (2004)				
Technique elements	Pages containing technique element		Total occurrences (no. of pages) by category	
	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation				
Mind involvement				
Tone quality				
Listening skill				
<i>Position</i>				

Sitting posture	Distance				
	Height				
	Sitting area				
	Sit tall/straight	1	3%		1
	Feet on floor/stool				
	Shoulder free				
Hand position	Hand level				
	Wrist level	1	3%		1
	Forearm level				
	Elbow level				
	Curved finger tips	1	3%		1
	Arched hand				
	General				
Use of fingers	Finger pad				
	Thumb				
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom	1	3%		1
	Finger tip support/strong				
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering				
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General	6	19%	6	6
Staccato	Finger				
	Wrist				
	Forearm				
	General	1	3%	1	1
Legato	Rotary				
	General				
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General	11	35%	11	11
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern	7	23%		7
Pedaling					
Hand coordination	RH only				
	LH only				

	Balance				
	Together	12	39%		12
	Alternatively	22	71%		22
	Parallel motion	9	29%		9
	Contrary motion	2	6%		2
	Move freely	2	6%		2
Not in framework	First joint firm	1	3%		1
	2 notes together	3	10%		3
	3 notes together	3	10%		3
Number of technique elements*		83		18	83
Category as percent of total technique elements				22%	100%
Total no. of technique elements (not including recurrences)		16		3	16

* does not count the recurrence of the same technique element within the same page

A total of 16 technique elements are introduced in this method book. Of those, 13 elements are listed in the framework and 3 elements not. 100% of the technique elements enhance the biomechanical development in piano playing and less than one third (22%) of the technique elements enhance the musical development in piano playing. Four categories of technique elements are most prevalent: hand coordination, dynamics, scale and slur. There are 47 technique elements omitted in this method book.

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 23d shows the rate at which new technique elements are introduced in the method book.

Table 23d

Frequency of New Technique Elements Introduced (Piano Town Method Primer Technic Book)

Piano Town Method Primer Technic Book (2004)	
	No. of pages
Total number of pages	31
Pages with new technique elements	10
Ratio of total pages to pages with new technique elements	3.1
Total number of technique elements: 16	

In this method book, there is a page with one or more new technique elements on average every 3.1 pages. There are 10 pages containing 16 new elements. On average there are 1.6 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Concepts

3.1.4 (a) Occurrence of technique elements

In table 23e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented.

Table 23e

Most Frequently and Least Frequently Occurring Technique Elements (Piano Town Method Primer Technic Book)

Piano Town Method Primer Technic Book (2004)			
Technique elements		Total occurrence	
		Pages	Percent of pages
Five most frequently occurred elements			
Hand coordination	Alternatively	22	71%
	Together	12	39%
Dynamics	General	11	35%
Hand coordination	Parallel motion	9	29%
Scale	5 fingers pattern	7	23%
Five least occurred elements			

Sitting posture	Sit tall/straight	1	3%
Hand position	Wrist level	1	3%
	Curved finger tips	1	3%
Upper/forearm	Forearm freedom	1	3%
Staccato	General	1	3%
Technique elements not listed in framework			
Hand position	First joint firm	1	3%

The most frequently occurring technique is hands play alternatively in the category of hands coordination; it occurs on 22 pages or 71% of the total number of pages analyzed in this book. The second most frequently occurring technique is hands play together. It occurs on 12 pages or 39% of the total number of pages analyzed. The third most frequent technique is general control of dynamics, it occurs on 11 pages or 35% of total number of pages. The fourth most frequently occurring technique is parallel motion of hand coordination repeated on 9 pages with 29% of total number of pages. The fifth most frequently occurring technique is 5 fingers pattern of scale playing, it occurs on 7 pages with 23% of total number of pages analyzed. There are 6 technique elements only occurring once and never repeated again.

3.1.4 (b) Categories of Technique Elements

In table 23f, all the technique elements are grouped into categories of technique concepts.

Table 23f

Technique Summarized by Categories (Piano Town Method Primer Technic Book)

Piano Town Method Primer Technic Book (2004)					
Category of technique listed in framework	Occurrences	Percentage*	Category of technique listed in framework	Occurrences	Percentage*
Relaxation	0	0%	Lateral movement	0	0%
Mind involvement	0	0%	Slur	6	7%
Tone quality	0	0%	Staccato	1	1%
Listening skill	0	0%	Legato	0	0%
Sitting posture	1	1%	Dynamics & Tenuto	11	13%
Hand position	3	4%	Phrasing	0	0%
Use of fingers	0	0%	Scale	7	8%
Upper/forearm movement	1	1%	Pedaling	0	0%
Wrist movement	0	0%	Hand coordination	47	57%
Finger activity	6	7%			
Category of technique not listed in framework					
Sensation	0	0%	Arpeggio	0	0%
Broken chord	0	0%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hand coordination with 57% of all technique elements occurrences. The other most prevalent category is dynamics & tenuto (13%) and all other categories are at the occurrence rate lower than 10%. Ten categories with technique elements listed in the framework are omitted in this method book.

3.1.4 (c) Technique Elements Categorized by Type of Presentation of Reinforcement

In table 23g, the technique elements with their type of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 23g

Type of Presentation of Reinforcement (Piano Town Method Primer Technic Book)

Piano Town Method Primer Technic Book (2004)		
Types of presentation of reinforcement	Activity	Signs/notes written on music
	Technique elements	Technique elements
	Move freely	Hands play alternatively
		Five finger position
		Slur
		Hands play together
		Contrary motion
		Dynamics (f, p)
		Parallel motion
		3 notes together
		2 notes together
No. of page	1	30
Percent of total pages (31)	3%	97%

There are two types of presentation to reinforce technique concepts in this method book. Signs/notes written on music is used with 97% of the total number of pages to enhance the technique in the following categories: hand coordination (hands play alternatively, hands play together, contrary motion, parallel motion), dynamics, slur, finger activity (2 and 3 notes together). The other type of music is only used with 3% of the total number of pages.

R. *The Music Tree Time to Begin (2003)***3.1.1 Phase I. Introduction of New Technique Elements**

Table 24a shows the number of new technique concepts introduced, the type of presentation of new concepts and the identification of a technique concept as enhancing

the musical and/or biomechanical development in piano playing. See appendix D for the detailed table with the page by page data.

Table 24a

New Technique Elements Categorized by Type of Presentation and Musical and/or Biomechanical Development (The Music Tree Time to Begin)

The Music Tree Time to Begin (2003)		No. of pages	% of pages with new technique elements
Number of pages analyzed		69	
Pages containing new technique elements		10 (with 13 elements)	
Type of presentation	Explanation in words	9	90%
	Analogy	0	0%
	Cartoon	2	20%
	Photo	0	0%
	Other	3	30%
Category	Musical development	5	50%
	Biomechanical development	8	80%

There are a total of 69 pages analyzed in this method book and a total of 10 pages where new technique elements are introduced. There is slightly more emphasis on biomechanical development (80% of the pages containing new techniques) as compared to musical development (60%).

Three types of presentations are used in this method book: explanation in words, other and cartoon. The type of presentation identified as “other” was further broken down as shown in table 24b.

Table 24b

Occurrences of New Techniques Using “Other” Type of Presentation (The Music Tree Time to Begin)

The Music Tree Time to Begin (2003)											
Pages containing new technique elements	No. of elements using “other” type of presentation	Pages containing “other” type of presentation		Pages (number of percentage of pages that contain new technique elements)							
				Activity without explanation		Signs/Notes on music without explanation		Pictures as guide without explanation		Direct instruction without explanation	
		No.	Percent of page	No.	%	No.	%	No.	%	No.	%
10	4	3	30%	1	10%	2	20%	0	0%	0	0%

“Sign/notes on music without explanation” is the most commonly used of the “other” subcategories, however there is not a significant difference in their frequency of use for introducing new concepts.

3.1.2 Phase II. Occurrence of Technique Elements

Table 24c shows all new technique elements introduced and the number of recurrences for each one. It can be seen which technique elements appear frequently as well which are completely omitted in the method book. See appendix F for the detail table with page by page data.

Table 24c

Occurrences and Recurrences of all Technique Elements (The Music Tree Time to Begin)

The Music Tree Time to Begin (2006)				
Technique elements	Pages containing technique element		Total occurrences (no. of pages) by category	
	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation				
Mind involvement	22	32%	22	22

Tone quality					
Listening skill		35	51%	35	
<i>Position</i>					
Sitting posture	Distance				
	Height				
	Sitting area				
	Sit tall/straight				
	Feet on floor/stool				
	Shoulder free				
Hand position	Hand level				
	Wrist level				
	Forearm level				
	Elbow level				
	Curved finger tips	1	1%		1
	Arched hand				
	General				
Use of fingers	Finger pad				
	Thumb				
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong				
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering	22	32%		22
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General	26	38%	26	26
Staccato	Finger				
	Wrist				
	Forearm				
	General				
Legato	Rotary				
	General				
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General	40	58%	40	40
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern				

Pedaling					
Hand coordination	RH only	6	9%		6
	LH only	6	9%		6
	Balance				
	Together	6	9%		6
	Alternatively	53	77%		53
	Parallel motion				
	Contrary motion				
Not in framework	Move freely	43	62%		43
	Arm swing	12	17%		12
	Repeated notes	1	1%		1
Number of technique elements*		273		123	238
Category as percent of total technique elements				45%	87%
Total no. of technique elements (not including recurrences)		13		4	12

* does not count the recurrence of the same technique element within the same page

A total of 13 technique elements are introduced in this method book. Of those, 11 elements are listed in the framework and 2 elements not. 87% of the technique elements enhance the biomechanical development in piano playing and less than half (45%) of the technique elements enhance the musical development in piano playing. Three categories of technique elements are most prevalent: hand coordination, dynamics and listening skill. There are 49 technique elements omitted in this method book.

3.1.3 Phase III. Rate of Introduction of New Technique Elements

Table 24d shows the rate at which new technique elements are introduced in the method book.

Table 24d

Frequency of New Technique Elements Introduced (The Music Tree Time to Begin)

The Music Tree Time to Begin (2003)	
	No. of pages
Total number of pages	69
Pages with new technique elements	10
Ratio of total pages to pages with new technique elements	6.9
Total number of technique elements: 13	

In this method book, there is a page with one or more new technique elements on average every 6.9 pages. There are 10 pages containing 13 new elements. On average there are 1.3 new technique elements per page that contains new techniques.

3.1.4 Phase IV. Distribution of Reinforced Technique Concepts

3.1.4 (a) Occurrence of technique elements

In table 24e, the five most frequently occurring technique elements and the five least frequently occurring technique elements are presented.

Table 24e

Most Frequently and Least Frequently Occurring Technique Elements (The Music Tree Time to Begin)

The Music Tree Time to Begin (2003)			
Technique elements		Total occurrence	
		Pages	Percent of pages
Five most frequently occurred elements			
Hand coordination	Alternatively	53	77%
	Move freely	43	62%
Dynamics	General	40	58%
Listening skill		35	51%
Slur	General	26	38%
Five least occurred elements			
Hand position	Curved finger tips	1	1%
Hand coordination	RH only	6	9%
	LH only	6	9%
	Together	6	9%
Technique elements not listed in framework			
Finger activity	Repeated notes	1	1%

The most frequently occurring technique element is hands play alternatively in the category of hands coordination, it occurs on 53 pages or 77% of the total number of pages analyzed in book. The second most frequently occurring technique is move freely in the category of hands coordination. It occurs on 43 pages or 62% of the total

number of pages analyzed. The third most frequently occurring technique is general control of dynamics. It occurs on 40 pages or 58% of the total number of pages analyzed. The fourth and the fifth most frequently occurring elements are listening skill and general control of slur playing. They occur on 35 pages and 26 pages or 51% and 38% of the total number of pages analyzed respectively. There are two technique elements only occurred once and never repeated again.

3.1.4 (b) Categories of Technique Elements

In table 24f, all the technique elements are grouped into categories of technique concepts.

Table 24f

Techniques Summarized by Category (The Music Tree Time to Begin)

The Music Tree Time to Begin (2003)					
Category of technique listed in framework	Occurrences	Percentage*	Category of technique listed in framework	Occurrences	Percentage*
Relaxation	0	0%	Lateral movement	0	0%
Mind involvement	22	8%	Slur	26	10%
Tone quality	0	0%	Staccato	0	0%
Listening skill	35	13%	Legato	0	0%
Sitting posture	0	0%	Dynamics & Tenuto	40	14%
Hand position	1	0.4%	Phrasing	0	0%
Use of fingers	0	0%	Scale	0	0%
Upper/forearm movement	12	4%	Pedaling	0	0%
Wrist movement	0	0%	Hand coordination	114	42%
Finger activity	23	8%			
Category of technique not listed in framework					
Sensation	0	0%	Arpeggio	0	0%
Broken chord	0	0%			

*Percent of total number of occurrences

The highest occurrence rate is in the category of hands coordination with 42% of all technique elements occurrences. The other most prevalent categories are

dynamics & tenuto (14%), listening skill (13%) and slur (10%). Eleven categories with technique elements listed in the framework are omitted in this method book.

3.1.4 (c) Technique Elements Categorized by Type of Presentation of Reinforcement

In table 24g, the technique elements with their type of presentation of reinforcement and the total number of pages of different method of reinforcement are presented.

Table 24g

Type of Presentation of Reinforcement (The Music Tree Time to Begin)

The Music Tree Time to Begin (2006)							
Types of presentation of reinforcement	Activity	Written instruction	Signs/notes written on music	Use of picture	Question	Bobo	Chip
	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements	Technique elements
	Move freely	Arm swing	Hands play alternatively	Fingering	Mind involvement	Listening skill	Mind involvement
	Fingering	Dynamics (p)	Dynamics (f, p)	Slur	Dynamics (p, f)	Dynamics (f)	Move freely
	Dynamics (f, p)	Listening skill	Slur		Fingering	Arm swing	
	Hands play together	Slur	RH only		Listening skill	Fingering	
			LH only		Legato	Mind involvement	
					Slur	Slur	
No. of page	50	14	56	14	17	29	2
Percent of total pages (69)	72%	20%	81%	20%	25%	42%	3%

The most frequent type of presentation to reinforce technique concept is signs/notes written on music with 81% of the total number of pages. It is used to enhance the technique in the following categories: hand coordination (right hand only,

left hand only and hands play alternatively), slur and dynamics. The second frequent type of presentation is activity with 72% of the total number of pages. It is used to enhance the technique in the following categories: hand coordination (hands play together and move freely), dynamics and finger activity (fingerings). The third frequent type of presentation is using a cartoon character “Bobo” with 42% of the total number of pages. It is used to enhance the technique in the following categories: listening skill, mind involvement, slur, mind involvement, slur, dynamics, finger activity (fingerings) and upper/forearm movement (arm swing). The other types of presentation (written instruction, use of picture and question) are used about the same amount.

3.2 Comparative analysis

3.2.1 Phase I: First 10 pages - Introduction of New Technique Elements

3.2.1 (a) Number of New Technique Elements Introduced

Phase I of the comparative analysis is a comparison of the first ten pages of each lesson book and integrated core book as well as the technique books for the eleven method books series that include one. The following figure is an overarching summary of this analysis illustrating the total number of technique elements within the first ten pages of each book. This is followed by more detailed comparisons for each technique category.

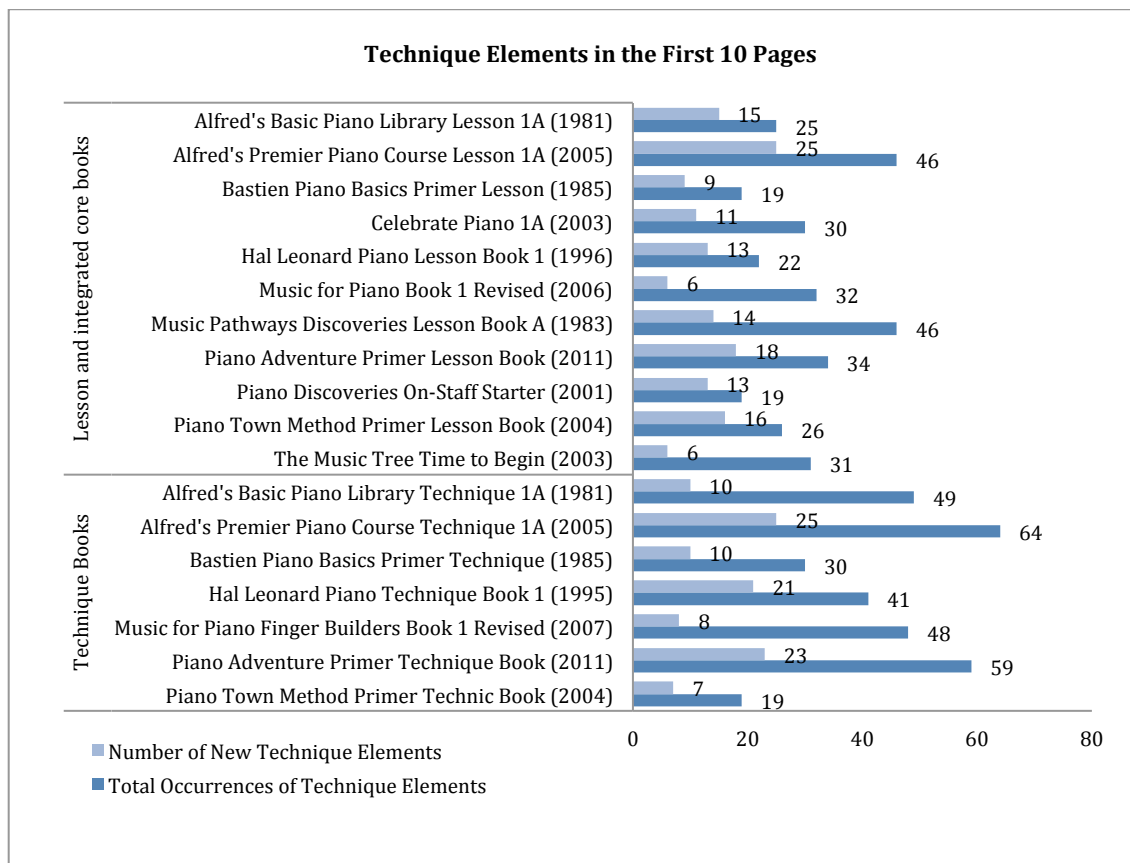


Figure 3. Number of Technique Elements and Total Number of Occurrences of All Technique Elements in the first 10 Pages

As shown in *Figure 3*, there is significant variability in the number of new technique elements introduced within the first ten pages. Examining just the lesson and integrated core books, new technique elements range from 6 (in *Music for Piano*

Book 1 and *The Music Tree Time to Begin Lesson Book*) to 18 (in *Piano Adventure Primer Lesson*). Generally, the technique books include greater number of technique elements within the first ten pages. This can be expected, as they are entirely focused on technique, and ten pages of a given technique book corresponds with more than ten pages of the associated lesson book (e.g., a student would be assigned page 10 of *Alfred's Basic Piano Library Technic Book* when he/she is on page 44 of the lesson book).

The total number of occurrences of technique elements also varies significantly, ranging from 19 (in *Bastien Piano Basic Primer* and *Piano Discoveries On-Staff Starter*) to 46 (in *Alfred's Premier Piano Course* and *Music Pathways Discoveries*). While the number of new elements indicates the quantity of techniques a student must learn in the first few piano lessons, the difference between the total number of occurrence and new technique (i.e., the difference between the bars for each book in *Figure 3*) reveals the degree of reinforcement of those technique elements. For example, in *Music for Piano* there are 32 occurrences of the 6 technique elements introduced in the first 10 pages. This equates to 5.3 recurrences per new technique element; we will call this the reinforcement factor. *Figure 4* shows that for the lesson and integrated core books the reinforcement factor varies from 1.5 (in *Piano Discoveries On-Staff Starter*) to 5.3 (in *Music for Piano*).

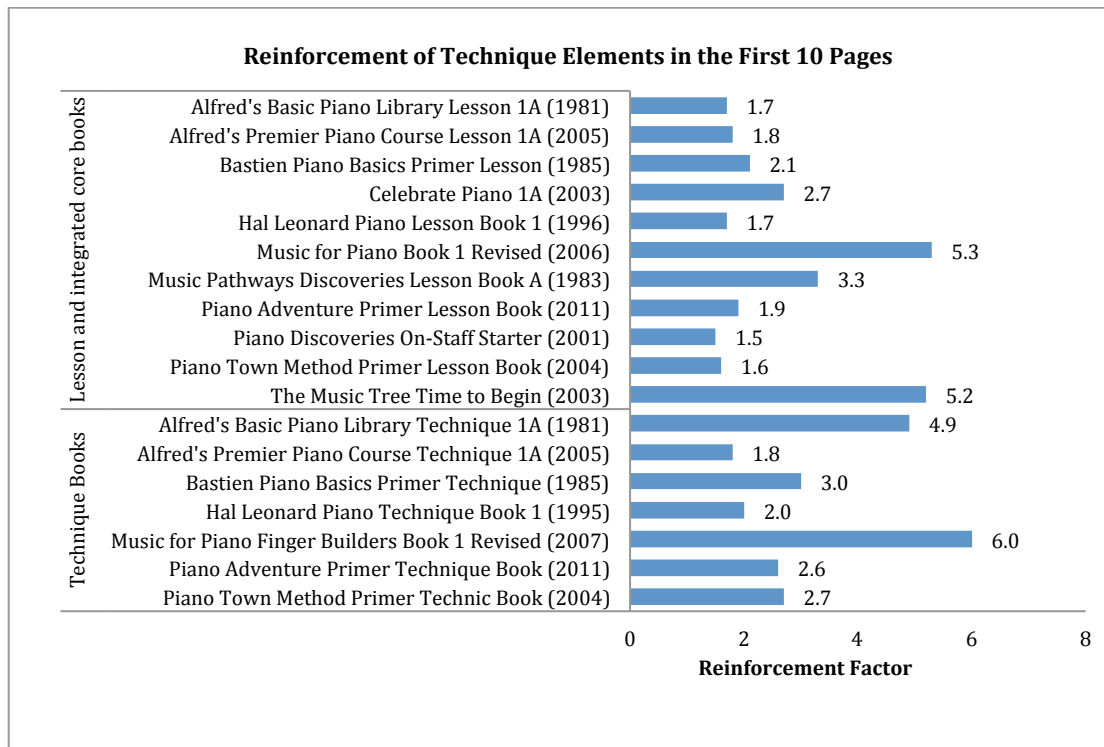


Figure 4. Reinforcement Factors (Total Technique Element Occurrence/New Technique Elements) Derived from the First 10 pages.

3.2.1 (b) Categories of New Technique Elements Introduced

This section is a comparison of each technique element category among the method books. For each category we will examine the degree to which a particular method focuses on that category (by comparing the occurrences as a percentage of all technique elements), and we will compare the number of occurrences for each category among the method books.

(1) Category of Relaxation

The following table summarizes the occurrence of techniques in the relaxation category.

Table 25a

Total Page of Technique Elements Occurrences and Relaxation and Percent of Relaxation (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of relaxation	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of relaxation	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	49	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	46	1	2%	Alfred's Premier Piano Course Technique 1A (2005)	64	2	2%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	0	0%
Celebrate Piano 1A (2003)	30	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	1	5%	Hal Leonard Piano Technique Book 1 (1996)	41	1	2%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	0	0%
Music Pathways Discoveries Lesson Book A (1985)	46	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	1	3%	Piano Adventure Primer Technique Book (2011)	59	1	2%
Piano Discoveries On-Staff Starter (2001)	19	1	5%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	0	0%	Piano Town Method Primer Technic Book (2004)	19	0	0%
The Music Tree Time to Begin (2005)	31	0	0%	No Technique Book			

*Percent of total number of occurrences

None of the method books put significant emphasis on relaxation within the first 10 pages, with a range from 0% to 5% of the total number of technique elements.

Six of the eleven method book series include it one time and one book (*Alfred's Premier Piano Course Technique 1A*) includes it twice.

(2) Mind involvement

The following table summarizes the occurrence of techniques in the mind involvement category.

Table 25b

Total Page of Technique Elements Occurrences and Mind Involvement and Percent of Mind Involvement (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of mind involvement	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of mind involvement	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	1	4%	Alfred's Basic Piano Library Technique 1A (1981)	49	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	46	2	4%	Alfred's Premier Piano Course Technique 1A (2005)	64	3	5%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	0	0%
Celebrate Piano 1A (2003)	30	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	0	0%	Hal Leonard Piano Technique Book 1 (1996)	41	2	5%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	0	0%
Music Pathways Discoveries Lesson Book A (1985)	46	2	4%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	2	6%	Piano Adventure Primer Technique Book (2011)	59	5	8%
Piano Discoveries On-Staff Starter (2001)	19	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	4	15%	Piano Town Method Primer Technic Book (2004)	19	0	0
The Music Tree Time to Begin (2005)	31	3	10%	No Technique Book			

*Percent of total number of occurrences

Six of the eleven lesson and integrated core books and three of the seven technique books contain the technique elements that enhance mind involvement within the first 10 pages. The highest occurrence rate is obtained in *Piano Adventure Primer Technique Book* with a total 5 occurrences or 8% of the total number of technique element occurrences. The second highest occurrence rate is obtained in *Piano Town Method Primer Lesson* with a total 4 occurrences or 15% of the total number of technique element occurrences. There are nine books of total 18 method books do not include any mind involvement technique within the first 10 pages.

(3) Tone quality

The following table summarizes the occurrence of techniques in the tone quality category.

Table 25c

Total Page of Technique Elements Occurrences and Tone Quality and Percent of Tone Quality (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of tone quality	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of tone quality	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	1	4%	Alfred's Basic Piano Library Technique 1A (1981)	49	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	46	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	64	2	3%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	0	0%
Celebrate Piano 1A (2003)	30	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	0	0%	Hal Leonard Piano Technique Book 1 (1996)	41	2	5%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	0	0%
Music Pathways Discoveries Lesson Book A (1985)	46	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	0	0%	Piano Adventure Primer Technique Book (2011)	59	0	0%
Piano Discoveries On-Staff Starter (2001)	19	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	0	0%	Piano Town Method Primer Technic Book (2004)	19	0	0
The Music Tree Time to Begin (2005)	31	0	0%	No Technique Book			

*Percent of total number of occurrences

Only one of the eleven lesson and integrated core books and two of the seven technique books contain the technique elements that enhance tone quality within the first 10 pages. The highest occurrence rate is obtained in *Alfred's Premier Piano Course Technique 1A* and *Hal Leonard Piano Technique Book 1* with a total 2 occurrences or 3% and 5% of the total number of technique element occurrences respectively while *Alfred's Basic Piano Library Lesson 1A* has only 1 occurrence or 4% of the total number of technique element occurrences that enhance tone quality.

(4) Listening skills

The following table summarizes the occurrence of techniques in listening skills category.

Table 25d

Total Page of Technique Elements Occurrences and Listening Skill and Percent of Listening Skills (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of listening skills	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of listening skills	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	1	4%	Alfred's Basic Piano Library Technique 1A (1981)	49	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	46	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	64	1	2%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	0	0%
Celebrate Piano 1A (2003)	30	1	3%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	0	0%	Hal Leonard Piano Technique Book 1 (1996)	41	1	2%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	0	0%
Music Pathways Discoveries Lesson Book A (1985)	46	2	4%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	1	3%	Piano Adventure Primer Technique Book (2011)	59	2	3%
Piano Discoveries On-Staff Starter (2001)	19	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	0	0%	Piano Town Method Primer Technic Book (2004)	19	0	0
The Music Tree Time to Begin (2005)	31	8	26%	No Technique Book			

*Percent of total number of occurrences

Five of the eleven lesson and integrated core books and three of the seven technique books contain the technique elements that enhance the listening skills within the first 10 pages. The highest occurrence rate is obtained in *The Music Tree Time to Begin* with a total 8 occurrences or 26% of the total number of technique element occurrences. The second highest occurrence rate is obtained *Music Pathways Discoveries Lesson Book A* and *Piano Adventure Primer Technique Book* with a rate drop to 2 occurrences or 4% and 3% of the total number of technique element

occurrences respectively. The books included *Alfred's Basic Piano Library Lesson 1A*, *Hal Leonard Piano Technique Book 1* and *Piano Adventure Primer Lesson Book* have the technique elements with only 1 occurrence.

(5) Sitting posture

The following table summarizes the occurrence of techniques in sitting posture category.

Table 25e

Total Page of Technique Elements Occurrences and Sitting Posture and Percent of Sitting Posture (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of sitting posture	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of sitting posture	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	4	16%	Alfred's Basic Piano Library Technique 1A (1981)	49	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	46	6	13%	Alfred's Premier Piano Course Technique 1A (2005)	64	5	8%
Bastien Piano Basics Primer Lesson (1985)	19	2	11%	Bastien Piano Basics Primer technique (1985)	30	0	0%
Celebrate Piano 1A (2003)	30	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	1	5%	Hal Leonard Piano Technique Book 1 (1996)	41	0	0%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	0	0%
Music Pathways Discoveries Lesson Book A (1985)	46	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	5	15%	Piano Adventure Primer Technique Book (2011)	59	4	7%
Piano Discoveries On-Staff Starter (2001)	19	3	16%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	3	12%	Piano Town Method Primer Technic Book (2004)	19	1	5%
The Music Tree Time to Begin (2005)	31	0	0%	No Technique Book			

*Percent of total number of occurrences

Seven of the eleven lesson and integrated core books and three of seven technique books contain the technique elements that enhance the sitting posture within the 10 pages. The highest occurrence rate is obtained in *Alfred's Premier*

Piano Course Lesson 1A with a total 6 occurrences or 13% of the total number of technique element occurrences. The second highest occurrence rate is obtained in the same series *Alfred's Premier Piano Course Technique 1A* and in *Piano Adventure Primer Lesson Book* with a total 5 occurrences or 8% and 15% of the total number of technique element occurrences. The lowest occurrence rate is obtained in *Hal Leonard Piano Lesson Book 1* and *Piano Town Method Primer Technique* with only 1 occurrence or 5% of the total number of technique element occurrence respectively to enhance the sitting posture.

(6) Hand position

The following table summarizes the occurrence of techniques in hand position category.

Table 25f

Total Page of Technique Elements Occurrences and Hand Position and Percent of Hand Position (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of hand position	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of hand position	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	1	4%	Alfred's Basic Piano Library Technique 1A (1981)	49	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	46	9	20%	Alfred's Premier Piano Course Technique 1A (2005)	64	5	8%
Bastien Piano Basics Primer Lesson (1985)	19	2	11%	Bastien Piano Basics Primer technique (1985)	30	2	7%
Celebrate Piano 1A (2003)	30	2	7%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	7	32%	Hal Leonard Piano Technique Book 1 (1996)	41	3	7%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	11	23%
Music Pathways Discoveries Lesson Book A (1985)	46	3	7%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	5	15%	Piano Adventure Primer Technique Book (2011)	59	9	15%
Piano Discoveries On-Staff Starter (2001)	19	4	21%	No Technique Book			

Piano Town Method Primer Lesson Book (2004)	26	6	23%	Piano Town Method Primer Technic Book (2004)	19	3	16%
The Music Tree Time to Begin (2005)	31	0	0%	No Technique Book			

*Percent of total number of occurrences

Nine of the eleven lesson and integrated core books and six of the seven technique books contain the technique elements that enhance the technique of hand position within the first 10 pages. The highest occurrence rate is obtained in *Finger Builders Book 1 Revised* with a total 11 occurrences or 23% of total number of technique element occurrences. The second highest occurrence rate is obtained in *Alfred's Premier Piano Course Lesson 1A* and *Piano Adventure Primer Technique Book* with a total 9 occurrences or 20% and 15% of total number of technique element occurrences respectively. The lowest occurrence rate is obtained in *Alfred's Basic Piano Library Lesson 1A* with only 1 occurrence or 4% of the total number of technique element occurrences. Three books include *Music for Piano Book 1 Revised*, *The Music Tree Time to Begin* and *Alfred's basic Piano Library Technique 1A* do not contain the technique of hand position within the first 10 pages.

(7) Use of fingers

The following table summarizes the occurrence of techniques in use of fingers category.

Table 25g

Total Page of Technique Elements Occurrences and Use of Fingers and Percent of Use of Fingers (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of use of fingers	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of use of fingers	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	49	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	46	2	4%	Alfred's Premier Piano Course Technique 1A (2005)	64	3	5%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	0	0%
Celebrate Piano 1A (2003)	30	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	0	0%	Hal Leonard Piano Technique Book 1 (1996)	41	1	2%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	0	0%
Music Pathways Discoveries Lesson Book A (1985)	46	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	0	0%	Piano Adventure Primer Technique Book (2011)	59	1	2%
Piano Discoveries On-Staff Starter (2001)	19	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	1	4%	Piano Town Method Primer Technic Book (2004)	19	0	0%
The Music Tree Time to Begin (2005)	31	0	0%	No Technique Book			

*Percent of total number of occurrences

Three of the eleven lesson and integrated core books and two of the technique books contain the technique elements that enhance use of finger within the first 10 pages. The highest occurrence rate is obtained in *Alfred's Premier Piano Course Technique 1A* with a total 3 occurrences or 5% of the total number of technique element occurrences. The second highest occurrence rate is obtained in the same method series *Alfred's Premier Piano Course Lesson 1A* with a total 2 occurrences or 4% of the total number of technique element occurrences. The other three method books: *Hal Leonard Piano Technique Book 1*, *Piano Adventure Primer Technique Book* and *Piano Town Method Primer Lesson Book* have the technique elements with one occurrence within the first 10 pages to enhance use of fingers.

(8) Upper/forearm movement

The following table summarizes the occurrence of techniques in upper/forearm movement category.

Table 25h

Total Page of Technique Elements Occurrences and Upper/Forearm Movement and Percent of Upper/Forearm Movement (*Comparison of the First 10 Pages*)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of upper/forearm movement	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of upper/Forearm movement	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	1	4%	Alfred's Basic Piano Library Technique 1A (1981)	49	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	46	2	4%	Alfred's Premier Piano Course Technique 1A (2005)	64	10	16%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	0	0%
Celebrate Piano 1A (2003)	30	4	13%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	1	5%	Hal Leonard Piano Technique Book 1 (1996)	41	4	10%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	4	8%
Music Pathways Discoveries Lesson Book A (1985)	46	1	2%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	1	3%	Piano Adventure Primer Technique Book (2011)	59	10	17%
Piano Discoveries On-Staff Starter (2001)	19	2	11%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	0	0%	Piano Town Method Primer Technic Book (2004)	19	1	5%
The Music Tree Time to Begin (2005)	31	2	6%	No Technique Book			

*Percent of total number of occurrences

Eight of the eleven lesson and integrated core books and five of the seven technique books contain the technique elements that enhance upper/forearm movement within the first 10 pages. The highest occurrence rate is obtained in *Alfred's Premier Piano Course 1A* and *Piano Adventure Primer 1A* with a total 10 occurrences or 16% and 17% of the total number of element occurrences respectively. The second highest occurrence rate is obtained in *Celebration Piano 1A*, *Hal Leonard Piano Technique Book 1* and *Finger Builders Book 1 Revised* with a total 4

occurrences or 13%, 10% and 8% of total number of the element occurrences respectively. The lowest occurrence rate is obtained in *Alfred's Basic Piano Library lesson 1A*, *Hal Leonard Piano Lesson Book 1*, *Music Pathway Discoveries Book A*, *Piano Adventure Primer Lesson* and *Piano Town Method Primer Technique* with only 1 occurrence. One method book does not include any technique of upper/forearm movement in the first 10 pages.

(9) Wrist movement

The following table summarizes the occurrence of techniques in wrist movement category.

Table 25i

Total Page of Technique Elements Occurrences and Wrist Movement and Percent of Wrist Movement (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of wrist movement	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of wrist movement	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	49	1	2%
Alfred's Premier Piano Course Lesson 1A (2005)	46	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	64	0	0%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	2	7%
Celebrate Piano 1A (2003)	30	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	0	0%	Hal Leonard Piano Technique Book 1 (1996)	41	2	5%
Music for Piano Book 1 Revised (2006)	32	2	6%	Finger Builders Book 1 Revised (2007)	48	0	0%
Music Pathways Discoveries Lesson Book A (1985)	46	1	2%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	1	3%	Piano Adventure Primer Technique Book (2011)	59	2	3%
Piano Discoveries On-Staff Starter (2001)	19	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	0	0%	Piano Town Method Primer Technic Book (2004)	19	0	0%
The Music Tree Time to Begin (2005)	31	0	0%	No Technique Book			

*Percent of total number of occurrences

Three of the eleven lesson and integrated core books and four of the seven technique books contain the technique elements that enhance wrist movement within the first 10 pages. The highest occurrence rate is obtained in *Bastien Piano Basics Primer Technique*, *Hal Leonard Piano Technique Book*, *Music for Piano Book 1* and *Piano Adventure Primer Technique* with a total 2 occurrences or 7%, 5%, 6% and 3% of the total number of technique element occurrences respectively. The other three books: *Music Pathways Discoveries Lesson Book A*, *Piano Adventure Primer Lesson Book* and *Alfred's Basic Piano Library Technique 1A* have 1 occurrence and there are a total eleven of eighteen books do not include elements that enhance wrist movement within the first 10 pages.

(10) Finger activity

The following table summarizes the occurrence of techniques in finger activity category.

Table 25j

Total Page of Technique Elements Occurrences and Finger Activity and Percent of Finger Activity (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of finger activity	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of finger activity	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	3	12%	Alfred's Basic Piano Library Technique 1A (1981)	49	2	4%
Alfred's Premier Piano Course Lesson 1A (2005)	46	4	9%	Alfred's Premier Piano Course Technique 1A (2005)	64	9	14%
Bastien Piano Basics Primer Lesson (1985)	19	3	16%	Bastien Piano Basics Primer technique (1985)	30	0	0%
Celebrate Piano 1A (2003)	30	10	33%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	2	9%	Hal Leonard Piano Technique Book 1 (1996)	41	6	15%
Music for Piano Book 1 Revised (2006)	32	6	19%	Finger Builders Book 1 Revised (2007)	48	5	10%
Music Pathways Discoveries Lesson Book A (1985)	46	9	20%	No Technique Book			

Piano Adventure Primer Lesson Book (2011)	34	6	18%	Piano Adventure Primer Technique Book (2011)	59	6	10%
Piano Discoveries On-Staff Starter (2001)	19	1	5%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	3	12%	Piano Town Method Primer Technic Book (2004)	19	0	0%
The Music Tree Time to Begin (2005)	31	1	3%	No Technique Book			

*Percent of total number of occurrences

All of the eleven lesson and integrated core books and five of the seven technique books contain the technique elements that enhance the finger activity within the first 10 pages. The highest rate is obtained in *Celebration Piano 1A* with a total 10 occurrences or 33% of total number of technique element occurrences. The second highest occurrence rate is obtained in *Alfred's Premier Piano Course Technique 1A* and *Music Pathways Discoveries Book A* with a total 9 occurrences or 14% and 20% of total number of technique element occurrences respectively. The lowest occurrence rate is obtained in *Piano Discoveries On-Staff Starter* and *The Music Tree Time to Begin Lesson* with only 1 occurrence within the first 10 pages.

(11) Lateral movement.

None of the 18 method books analyzed contain the technique elements that enhance the lateral movement within the first 10 pages.

(12) Slur

The following table summarizes the occurrence of techniques of slur.

Table 25k

*Total Page of Technique Elements Occurrences and Slur and Percent of Slur
(Comparison of the First 10 Pages)*

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of slur	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of slur	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	49	6	12%
Alfred's Premier Piano Course Lesson 1A (2005)	46	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	64	0	0%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	2	7%
Celebrate Piano 1A (2003)	30	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	0	0%	Hal Leonard Piano Technique Book 1 (1996)	41	0	0%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	0	0%
Music Pathways Discoveries Lesson Book A (1985)	46	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	0	0%	Piano Adventure Primer Technique Book (2011)	59	0	0%
Piano Discoveries On-Staff Starter (2001)	19	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	0	0%	Piano Town Method Primer Technic Book (2004)	19	0	0%
The Music Tree Time to Begin (2005)	31	0	0%	No Technique Book			

*Percent of total number of occurrences

None of the eleven lesson and integrated core books and two of the seven technique books contain the technique elements that enhance the slur playing within the first 10 pages. The book *Alfred's Basic Piano Library Technique 1A* has a total 6 occurrences and *Bastien Piano Basic Primer Technique* has a total 2 occurrences.

(13) Staccato

The following table summarizes the occurrence of techniques of in the staccato category.

Table 251

Total Page of Technique Elements Occurrences and Staccato and Percent of Staccato (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of staccato	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of staccato	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	49	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	46	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	64	0	0%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	0	0%
Celebrate Piano 1A (2003)	30	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	0	0%	Hal Leonard Piano Technique Book 1 (1996)	41	1	2%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	0	0%
Music Pathways Discoveries Lesson Book A (1985)	46	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	0	0%	Piano Adventure Primer Technique Book (2011)	59	0	0%
Piano Discoveries On-Staff Starter (2001)	19	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	0	0%	Piano Town Method Primer Technic Book (2004)	19	0	0%
The Music Tree Time to Begin (2005)	31	0	0%	No Technique Book			

*Percent of total number of occurrences

Only one (*Hal Leonard Piano Technique Book 1*) of the total 18 books analyzed introduces the technique elements that enhance the staccato playing with one occurrence or 2% of total number of technique element occurrences within the first 10 pages.

(14) Legato

The following table summarizes the occurrence of techniques of in the legato category.

Table 25m

*Total Page of Technique Elements Occurrences and Legato and Percent of Legato
(Comparison of the First 10 Pages)*

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of legato	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of legato	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	49	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	46	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	64	0	0%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	2	7%
Celebrate Piano 1A (2003)	30	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	0	0%	Hal Leonard Piano Technique Book 1 (1996)	41	1	2%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	0	0%
Music Pathways Discoveries Lesson Book A (1985)	46	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	0	0%	Piano Adventure Primer Technique Book (2011)	59	0	0%
Piano Discoveries On-Staff Starter (2001)	19	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	1	4%	Piano Town Method Primer Technic Book (2004)	19	0	0%
The Music Tree Time to Begin (2005)	31	0	0%	No Technique Book			

*Percent of total number of occurrences

One of the eleven lesson and integrated core books and two of the seven technique books contain the technique elements that enhance the legato playing within the first 10 pages. These three books *Bastien Piano Basic Primer Technique* has a total 2 occurrences or 7 % of total number of technique element occurrences, and both *Hal Leonard Piano Technique Book 1* and *Piano Town Method Primer Lesson Book* have 1 occurrence or 2% and 4% of total number of technique element occurrences respectively to enhance the legato playing within the first 10 pages.

(15) Dynamics & Tenuto

The following table summarizes the occurrence of techniques of in the dynamics & tenuto category.

Table 25n

Total Page of Technique Elements Occurrences and Dynamic & Tenuto and Percent of Dynamics & Tenuto (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of dynamics & tenuto	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of dynamics & tenuto	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	2	8%	Alfred's Basic Piano Library Technique 1A (1981)	49	10	20%
Alfred's Premier Piano Course Lesson 1A (2005)	46	7	15%	Alfred's Premier Piano Course Technique 1A (2005)	64	9	14%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	7	23%
Celebrate Piano 1A (2003)	30	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	0	0%	Hal Leonard Piano Technique Book 1 (1996)	41	5	12%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	0	0%
Music Pathways Discoveries Lesson Book A (1985)	46	6	13%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	0	0%	Piano Adventure Primer Technique Book (2011)	59	8	14%
Piano Discoveries On-Staff Starter (2001)	19	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	0	0%	Piano Town Method Primer Technic Book (2004)	19	0	0%
The Music Tree Time to Begin (2005)	31	0	0%	No Technique Book			

*Percent of total number of occurrences

Three of the eleven lesson and integrated core books and five of the seven technique books contain the technique elements that enhance the playing of dynamics and tenuto within the first 10 pages. The highest occurrence rate is obtained in *Alfred's Basic Piano Library Technique 1A* with a total 10 occurrences or 20% of total number of technique element occurrences. The second highest occurrence rate is obtained in *Alfred's Premier Piano Course Technique 1A* (2005) with a total 9 occurrences or 14% of total number of technique element occurrences. The lowest

occurrence rate is obtained in *Alfred's Basic Piano Library Lesson 1A* with a total 2 occurrences or 8% of the total number of technique element occurrences.

(16) Phrasing

The following table summarizes the occurrence of techniques of in the phrasing category.

Table 25o

Total Page of Technique Elements Occurrences and of Phrasing and Percent of Phrasing (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of phrasing	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of phrasing	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	49	2	4%
Alfred's Premier Piano Course Lesson 1A (2005)	46	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	64	0	0%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	0	0%
Celebrate Piano 1A (2003)	30	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	0	0%	Hal Leonard Piano Technique Book 1 (1996)	41	0	0%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	0	0%
Music Pathways Discoveries Lesson Book A (1985)	46	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	0	0%	Piano Adventure Primer Technique Book (2011)	59	0	0%
Piano Discoveries On-Staff Starter (2001)	19	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	0	0%	Piano Town Method Primer Technic Book (2004)	19	0	0%
The Music Tree Time to Begin (2005)	31	0	0%	No Technique Book			

*Percent of total number of occurrences

Only one (*Alfred's Basic Piano Library Technique 1A*) of the eighteen books analyzed contains the technique elements that enhance the technique of phrasing

within the first 10 pages. It has a total 2 occurrences or 4% of the total number of technique element occurrences.

(17) Scale

The following table summarizes the occurrence of techniques of in the scale category.

Table 25p

Total Page of Technique Elements Occurrences and Scale and Percent of Scale (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of scale	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of scale	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	49	3	6%
Alfred's Premier Piano Course Lesson 1A (2005)	46	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	64	0	0%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	2	7%
Celebrate Piano 1A (2003)	30	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	0	0%	Hal Leonard Piano Technique Book 1 (1996)	41	0	0%
Music for Piano Book 1 Revised (2006)	32	7	22%	Finger Builders Book 1 Revised (2007)	48	0	0%
Music Pathways Discoveries Lesson Book A (1985)	46	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	0	0%	Piano Adventure Primer Technique Book (2011)	59	0	0%
Piano Discoveries On-Staff Starter (2001)	19	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	0	0%	Piano Town Method Primer Technic Book (2004)	19	4	21%
The Music Tree Time to Begin (2005)	31	0	0%	No Technique Book			

*Percent of total number of occurrences

One of the eleven lesson and integrated core books and three of the seven technique books contain the technique elements that enhance the scale playing within the first 10 pages. The highest occurrence rate is obtained in *Music for Piano Book 1 Revised* with a total 7 occurrences or 22% of total number of element of occurrences

and the second highest occurrence rate is obtained in *Piano Town Method Primer Technique* with a total 4 occurrences or 21% of total number of element of occurrences. The lowest occurrence rate is obtained in *Bastien Piano Basics Primer Technique* with a total 2 occurrences and the difference between the highest and lowest occurrence rate is 5 times.

(18) Pedaling

The following table summarizes the occurrence of techniques of in the pedaling category.

Table 25q

Total Page of Technique Elements Occurrences and Pedaling and Percent of Pedaling (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of scale	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of scale	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	49	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	46	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	64	0	0%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	0	0%
Celebrate Piano 1A (2003)	30	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	0	0%	Hal Leonard Piano Technique Book 1 (1996)	41	0	0%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	0	0%
Music Pathways Discoveries Lesson Book A (1985)	46	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	0	0%	Piano Adventure Primer Technique Book (2011)	59	2	3%
Piano Discoveries On-Staff Starter (2001)	19	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	0	0%	Piano Town Method Primer Technic Book (2004)	19	0	0%
The Music Tree Time to Begin (2005)	31	0	0%	No Technique Book			

Only one (*Piano Adventure Primer Technique Book*) of the eleven method books series contains the technique elements that enhance the technique of pedaling within the first 10 pages. It has a total 2 occurrences or 3% of the total number of technique element occurrences.

(19) Hands coordination

The following table summarizes the occurrence of techniques of in the hands coordination category.

Table 25r

Total Page of Technique Elements Occurrences and Hands Coordination and Percent of Hands Coordination (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of scale	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of scale	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	11	44%	Alfred's Basic Piano Library Technique 1A (1981)	49	25	51%
Alfred's Premier Piano Course Lesson 1A (2005)	46	13	28%	Alfred's Premier Piano Course Technique 1A (2005)	64	15	23%
Bastien Piano Basics Primer Lesson (1985)	19	12	63%	Bastien Piano Basics Primer technique (1985)	30	13	43%
Celebrate Piano 1A (2003)	30	13	43%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	10	45%	Hal Leonard Piano Technique Book 1 (1996)	41	11	27%
Music for Piano Book 1 Revised (2006)	32	17	53%	Finger Builders Book 1 Revised (2007)	48	20	42%
Music Pathways Discoveries Lesson Book A (1985)	46	22	48%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	12	35%	Piano Adventure Primer Technique Book (2011)	59	9	15%
Piano Discoveries On-Staff Starter (2001)	19	8	42%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	8	31%	Piano Town Method Primer Technic Book (2004)	19	10	53%
The Music Tree Time to Begin (2005)	31	17	55%	No Technique Book			

All of the eleven method series introduce the technique elements that enhance the technique of hand coordination within the first 10 pages. The highest occurrence

rate is obtained in *Alfred's Basic Piano Library Technique 1A* with a total 25 occurrences or 51% of the total number of technique element occurrences. The second highest occurrence rate is obtained in *Music Pathways Discoveries Book A* with a total 22 occurrences or 48% of the total number of technique element occurrences. The third highest occurrence rate is obtained in *Music for Piano Finger Builders Book 1 Revised* with a total 20 occurrences or 42% of total number of elements occurrences. The lowest occurrence rate is obtained in *Piano Discoveries On-Staff Starter* and *Piano Town Method Primer Lesson Book* with a total 8 occurrences or 42% and 31% of the total number of technique element occurrences.

(20) Sensation

The following table summarizes the occurrence of techniques of in the sensation category.

Table 25s

Total Page of Technique Elements Occurrences and Sensation and Percent of Sensation (Comparison of the First 10 Pages)

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of sensation	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of sensation	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	25	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	49	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	46	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	64	0	0%
Bastien Piano Basics Primer Lesson (1985)	19	0	0%	Bastien Piano Basics Primer technique (1985)	30	0	0%
Celebrate Piano 1A (2003)	30	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	22	0	0%	Hal Leonard Piano Technique Book 1 (1996)	41	1	2%
Music for Piano Book 1 Revised (2006)	32	0	0%	Finger Builders Book 1 Revised (2007)	48	8	17%
Music Pathways Discoveries Lesson Book A (1985)	46	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	34	0	0%	Piano Adventure Primer Technique Book (2011)	59	0	0%

Piano Discoveries On-Staff Starter (2001)	19	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	26	0	0%	Piano Town Method Primer Technic Book (2004)	19	0	0%
The Music Tree Time to Begin (2005)	31	0	0%	No Technique Book			

None of the eleven lesson and integrated core books and two of the seven technique books contain the technique elements that enhance the sensation in playing within the first 10 pages. The book *Music for Piano Finger Builders Book 1 Revised* has a total 8 occurrences and *Hal Leonard Piano Technique Book 1* has only 1 occurrence.

(21) Broken chord

None of the eleven method book series contains the technique elements that enhance broken chord playing within the first 10 pages.

(22) Arpeggio

None of the eleven method book series contains the technique elements that enhance arpeggio playing within the first 10 pages.

3.2.2 Phase II: First 40 pages - Introduction of New Technique Elements

3.2.2 (a) Number of Pages of New Technique Elements Introduced

Phase II and III of the comparative analysis is a comparison of the first 40 pages each lesson book and integrated core book as well as the technique books for the eleven method books series that include one. The following figure is an overarching summary of this analysis illustrating the total number of technique elements within the first 40 pages of each book. This is followed by more detailed comparisons of presentation types and technique categories.

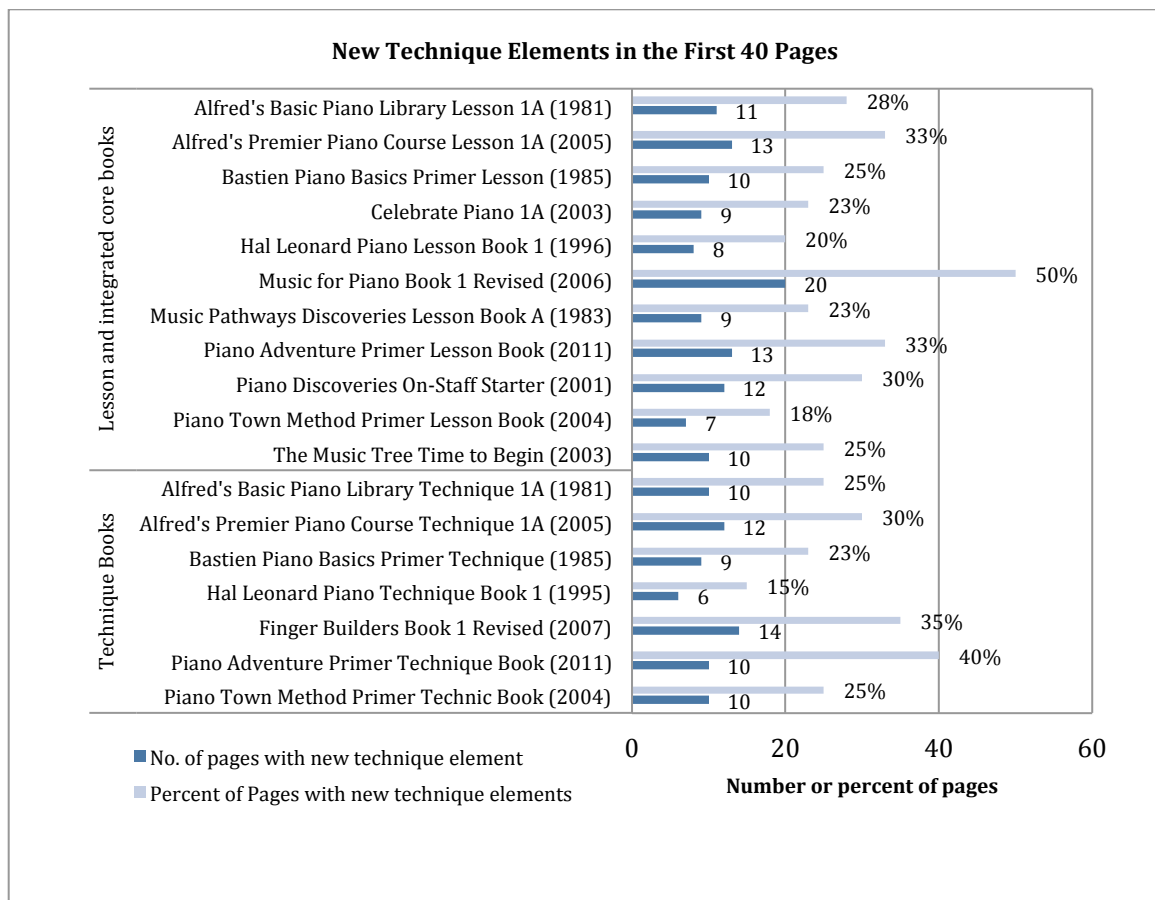


Figure 5. Total Number of Pages of New Technique elements and percentage of Pages with New Technique Elements of the Total Pages Analyzed

In *Figure 5*, *Music for Piano Book 1* shows the highest number (20) of pages of new technique elements introduced in the first 40 pages. *Alfred's Basic Piano Library Lesson Level 1A* and *Piano Adventure Primer Lesson* have the second highest number of pages (13). *Hal Leonard Piano Technique Book 1* shows the lowest number of pages (6) of new technique elements introduced. In terms of percentage of pages containing new techniques, the books range from 15% in *Hal Leonard Piano Technique Book 1* to 50% in *Music for Piano Book 1 Revised*.

3.2.2 (b) Types of Presentation

(i) Explanation in words

The following figure summarizes the occurrences of new techniques that use explanation in words as the type of presentation.

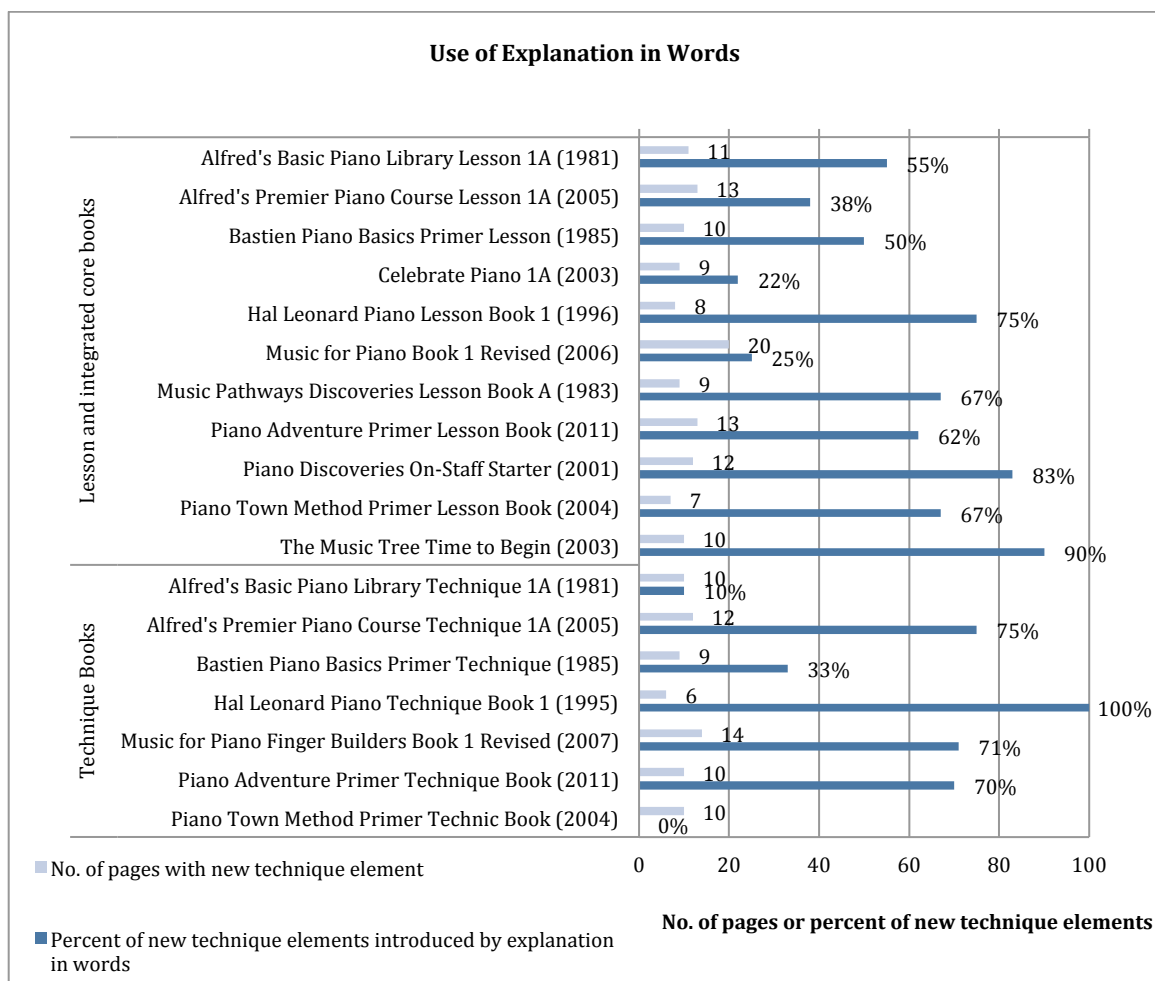


Figure 6. Total Number of Pages of New Technique Elements and Percentage of New Technique Elements Introduced by Explanation in Words

A comparison of the use of explanation in words is shown in Figure 6. There is a significant difference among the books (both lesson and integrated core books and technique books). The lesson and integrated core books range from 22% (*Celebrate Piano 1A*) to 90% (*The Music Tree Time to Begin*) of new technique

elements introduced by explanation in words. Many of the books rely quite heavily on explanation in words with 10 books in the total out of all 18 books using explanation in words for more than 60% of the new technique elements.

(ii) Analogy

The following figure summarizes the occurrences of new techniques that use analogy as the type of presentation.

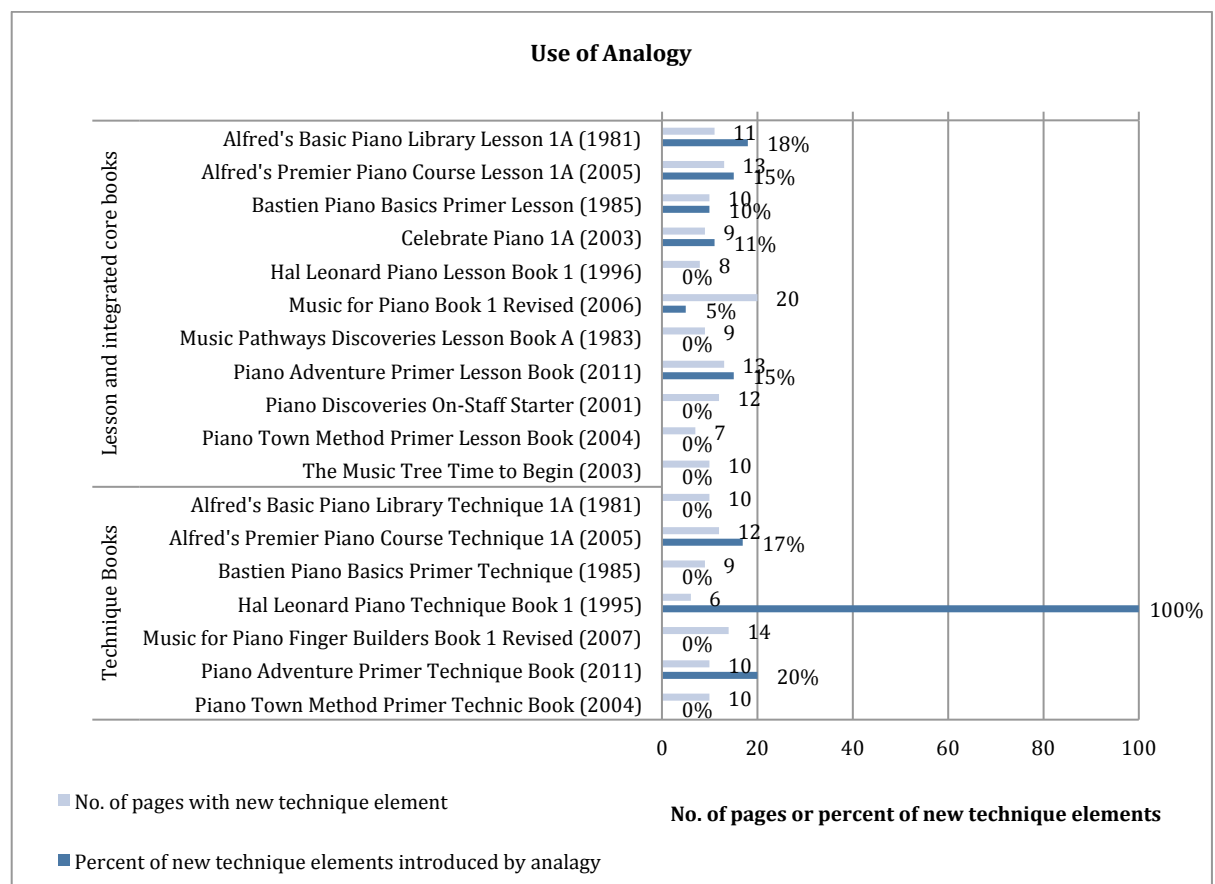


Figure 7. Total Number of Pages of New Technique Elements and Percentage of New Technique Elements Introduced by Analogy

A comparison of the use of analogy is shown in Figure 7. Analogy is not used with a significant amount in most books; 9 of 18 books do not use it all. The lesson

and integrated core books range from 0% to 18%. The *Hal Leonard Piano Technique Book 1* is an outlier using analogy on all 6 of the new techniques introduced.

(iii) Cartoon Drawing

The following figure summarizes the occurrences of new technique that use cartoon drawing as the type of presentation.

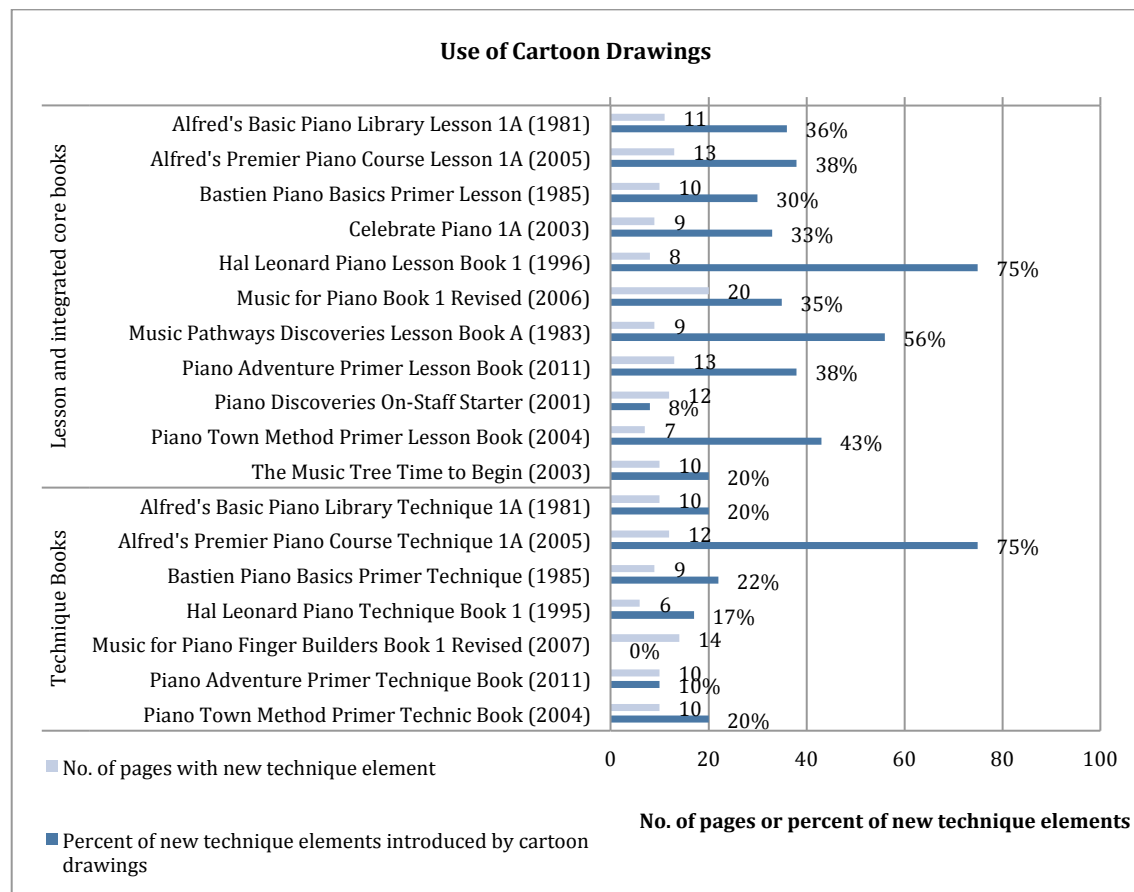


Figure 8. Total Number of Pages of New Technique elements and Percentage of New Technique Elements Introduced by Cartoon Drawing

A comparison of the use of cartoon drawing is shown in Figure 8. A total 17 method books used cartoon drawing for the introduction of technique elements and only *Music for Piano Finger Builders Book 1 Revised* did not use the cartoon drawing out of the eleven method books series analyzed in this study. The use of cartoon

drawing in lesson and integrated core books ranges from 8% (*Piano Discoveries On-Staff Starter*) to 75% (*Hal Leonard Piano Lesson Book*).

(iv) Photo

There is no method book out of the eleven method books series analyzed in this study use photo in presenting the new technique elements.

(v) Method of “Other”

The following figure summarizes the occurrence of new technique that uses “other” type of presentation.

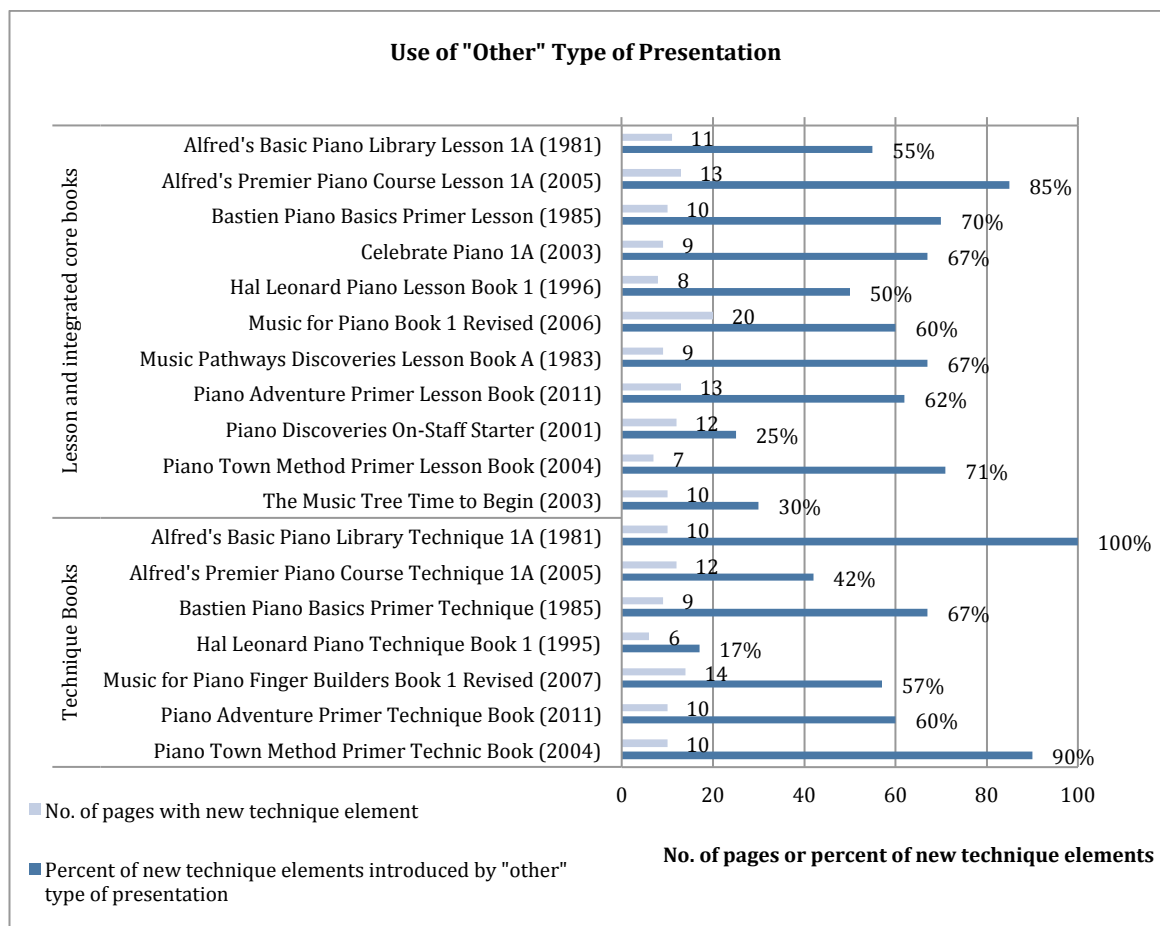


Figure 9. Total Number of Pages of New Technique Elements and Percentage of New Technique Elements Introduced by “Other” Type of Presentation.

A comparison of the use of “other” type of presentation is shown in *Figure 9*. It is quite common among the books to use one of the other types of presentation with 14 of the 18 books using it on 50% or more of the new techniques introduced. Among the lesson and integrated core books, use of other type of presentation ranges from 25% (*Piano Discoveries On-Staff Starter*) to 85% (*Alfred’s Premier Piano Course Lesson 1A*). The technique book *Alfred’s Basic Piano Library Technique 1A* has the highest percentage at 100%.

3.2.3 Phase III: First 40 pages - Distribution of New Technique Elements

3.2.3 (a) The Pace of New Technique Elements Introduced

The following figure compares the teaching pace of the method books using the occurrence frequency of new techniques.

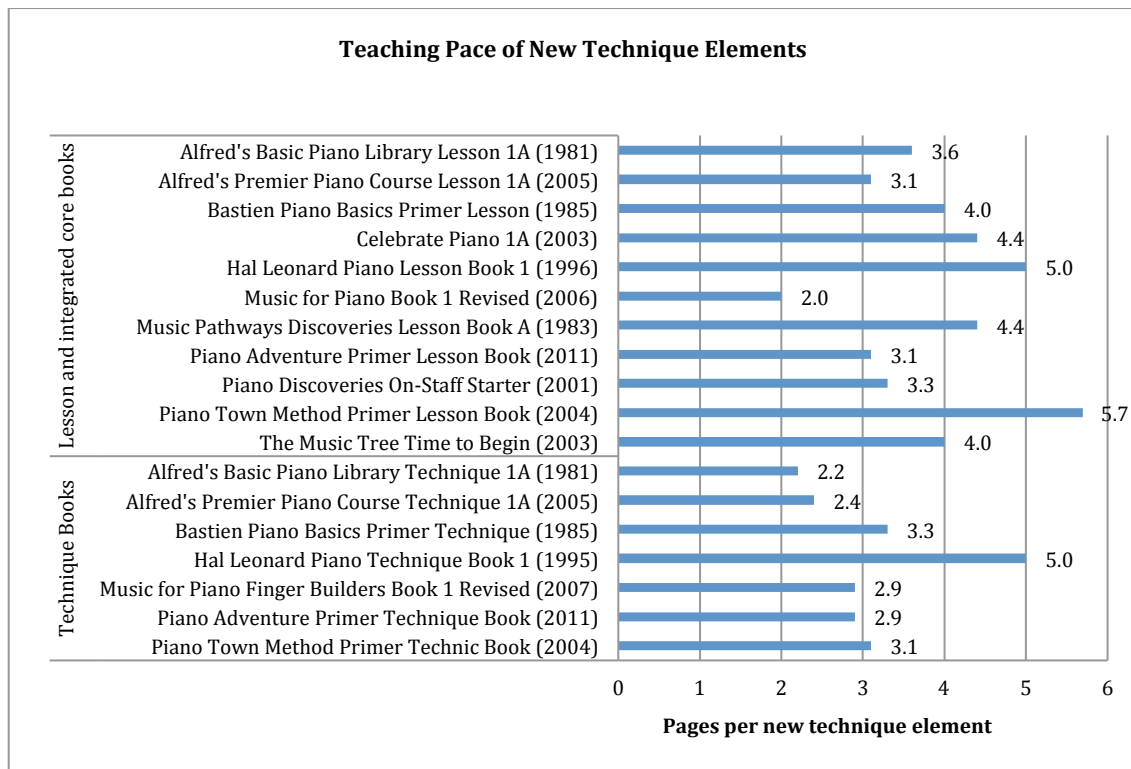


Figure 10. Frequency of New Technique Elements (Pages per New Element)

Figure 10 displays the teaching pace of a new technique elements introduced in each method books. A smaller the average number of page indicates a quicker teaching pace of a new technique element. Among the lesson and integrated core books, the quickest teaching pace is 2.0 pages per new element (*Music for Piano Book 1 Revised*). The slowest teaching pace is 5.7 pages per new element (*Piano Town Method Primer Lesson Book*).

3.2.3 (b) Categories of Musical and Biomechanical Development by the New Technique Elements.

- Category of Musical Development

The following figure summarizes the occurrences of new techniques enhance musical development.

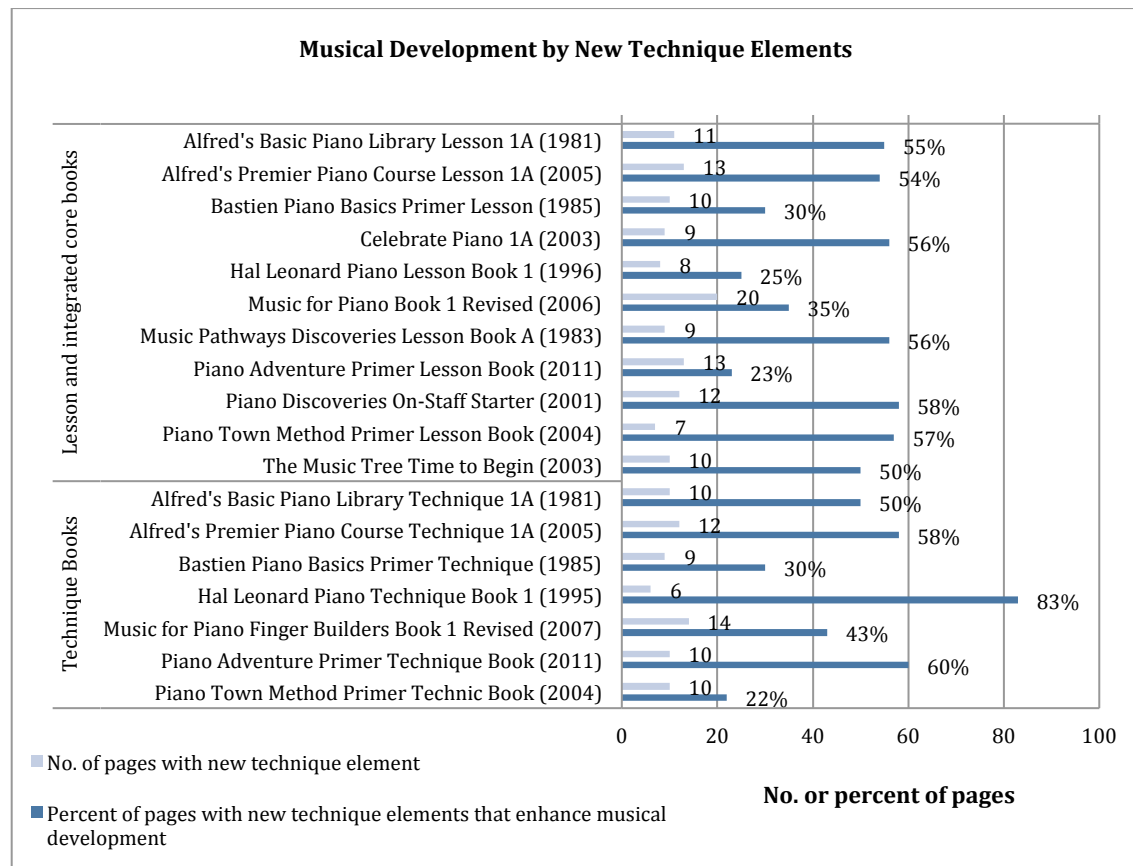


Figure 11. Total Number of Pages of New Technique Elements Introduced and Percentage of Category of Musical Development by New Technique Elements

Figure 11 displays the percentage of new techniques that enhance musical development. Seven out of the eleven lesson and integrated core books have between 50% and 60% of techniques that enhance musical development. The range is from 23% (*Piano Adventure Primer Lesson Book*) to 58% (*Piano Discoveries On-Staff Starter*). The technique book *Hal Leonard Piano Technique Book 1* has the highest percentage at 83%.

-Category of Biomechanical Development

The following figure summarizes the occurrences of new techniques enhance biomechanical development.

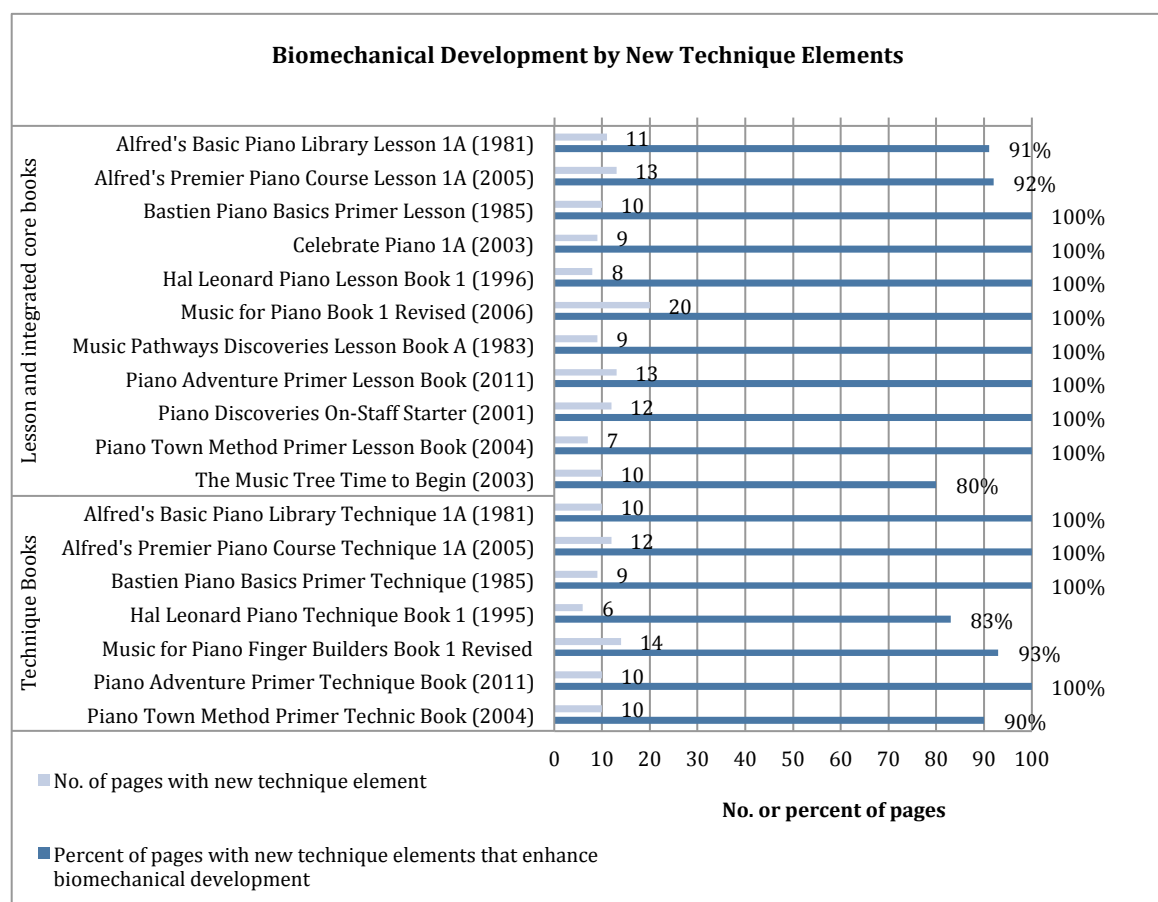


Figure 12. Total Number of Pages of New Technique Elements Introduced and Percentage of Category of Biomechanical Development by New Technique Element

Figure 12 displays the percentage of biomechanical development enhanced by the new technique element introduced. The books are all quite similar in that most if not all the techniques enhance biomechanical development. 16 of the 18 books are greater than 90%. The two books with slightly less focus on biomechanical development are *The Music Tree Time to Begin* (80%) and *Hal Leonard Piano Technique Book* (83%).

3.2.4 Phase IV: First 40 pages - Distribution of Reinforced Technique Elements

3.2.4 (a) Occurrence of Reinforced Technique Elements

The following figure summarizes the total number of occurrences of techniques including reinforced techniques.

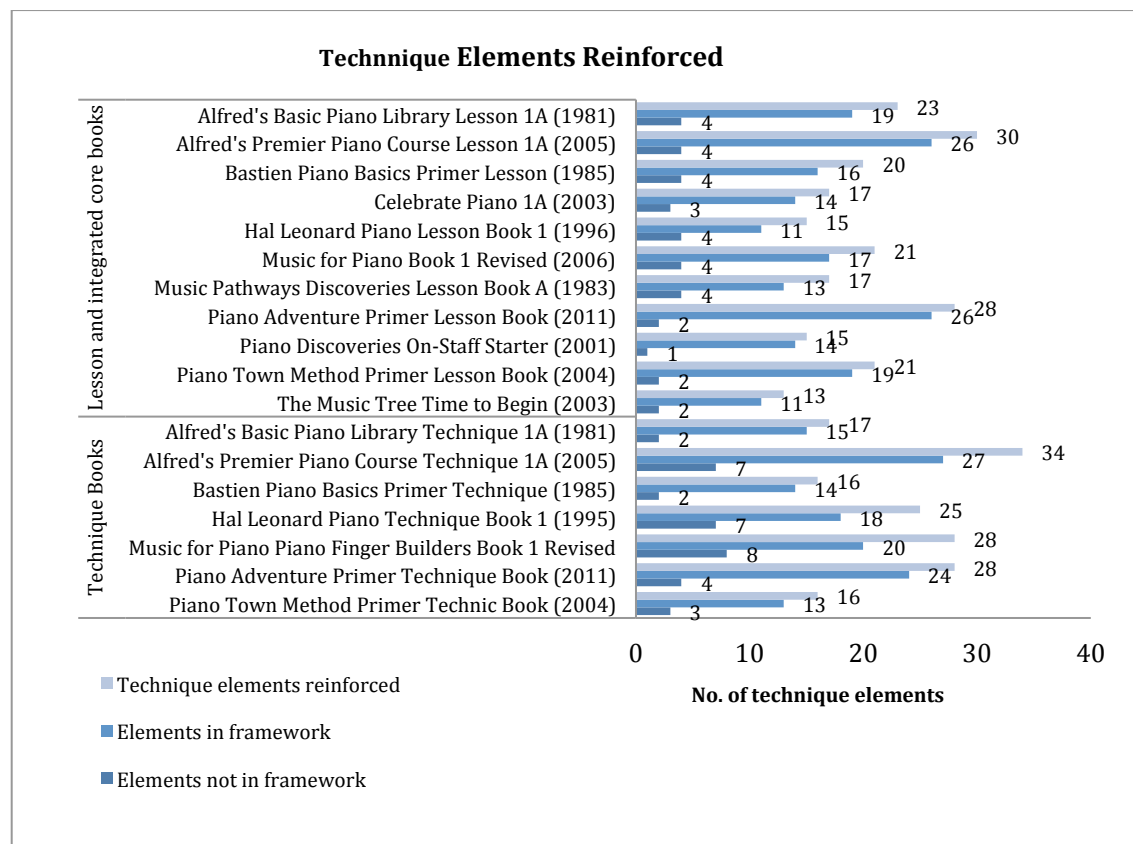


Figure 13. Total Number of Technique Elements Reinforced Listed in Framework/Not Listed in Framework

Figure 13 displays the total number of technique elements reinforced included the elements listed in the framework or not listed in the framework of each method book in the first 40 pages of lesson books or integrated core books and a total number of pages in technique books. The highest number of reinforced technique elements is obtained in *Alfred's Premier Piano Course Technique 1A* with a total 34 technique elements reinforced that 27 elements are listed in the framework and 7 elements are not listed the framework. The second highest number is obtained in the same series *Alfred's Premier Piano Course Lesson 1A* with a total 30 technique elements reinforced that 26 elements are listed in the framework and 4 elements are not listed in the framework and the difference between the highest and second highest rate is 4 elements. The lowest number is obtained in *The Music Tree Time to Begin Lesson* with a total 13 technique elements reinforced that 11 elements are listed in the framework and 2 elements are not listed in the framework. The difference between the highest and lowest rate is 21 elements. The average number of technique elements reinforced in all method books is 21 technique elements.

3.2.4 (b) Categories of Reinforced Technique Elements

(1) Relaxation

The following table summarizes the occurrence of techniques in the relaxation category.

Table 26a

Total Page of Technique Elements Occurrences and Relaxation and Percent of Relaxation

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of relaxation	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of relaxation	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	114	0	0%

Alfred's Premier Piano Course Lesson 1A (2005)	139	2	1%	Alfred's Premier Piano Course Technique 1A (2005)	171	2	1%
Bastien Piano Basics Primer Lesson (1985)	90	0	0%	Bastien Piano Basics Primer technique (1985)	96	0	0%
Celebrate Piano 1A (2003)	110	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	2	3%	Hal Leonard Piano Technique Book 1 (1996)	104	1	1%
Music for Piano Book 1 Revised (2006)	168	0	0%	Finger Builders Book 1 Revised (2007)	196	0	0%
Music Pathways Discoveries Lesson Book A (1985)	136	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	1	1%	Piano Adventure Primer Technique Book (2011)	149	1	1%
Piano Discoveries On-Staff Starter (2001)	79	1	1%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	0	0%	Piano Town Method Primer Technic Book (2004)	83	0	0%
The Music Tree Time to Begin (2005)	173	0	0%	No Technique Book			

*Percent of total number of occurrences

Seven method books contain technique elements that enhance the technique of relaxation although none of the books focus on this technique significantly. In all seven of the method books that do contain it there are either one or two occurrences. As a percentage of total technique occurrences, *Hal Leonard Piano Lesson Book 1* has the highest occurrence rate of 3%.

(2) Mind involvement

The following table summarizes the occurrence of techniques in the mind involvement category.

Table 26b

Total Page of Technique Elements Occurrences and Mind Involvement and Percent of Mind Involvement

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of mind involvement	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of mind involvement	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	2	2%	Alfred's Basic Piano Library Technique 1A (1981)	114	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	139	3	2%	Alfred's Premier Piano Course Technique 1A (2005)	171	14	8%

Bastien Piano Basics Primer Lesson (1985)	90	0	0%	Bastien Piano Basics Primer technique (1985)	96	0	0%
Celebrate Piano 1A (2003)	110	2	2%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	0	0%	Hal Leonard Piano Technique Book 1 (1996)	104	5	5%
Music for Piano Book 1 Revised (2006)	168	0	0%	Finger Builders Book 1 Revised (2007)	196	0	0%
Music Pathways Discoveries Lesson Book A (1985)	136	3	2%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	8	6%	Piano Adventure Primer Technique Book (2011)	149	14	9%
Piano Discoveries On-Staff Starter (2001)	79	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	4	6%	Piano Town Method Primer Technic Book (2004)	83	0	0%
The Music Tree Time to Begin (2005)	173	20	12%	No Technique Book			

*Percent of total number of occurrences

Seven of the eleven lesson books and integrated core books and three of the seven technique books contain technique elements that enhance the mind involvement. The highest occurrence rate is obtained in *The Music Tree Time to Begin Lesson* with a total 20 occurrences or 12% of the total number of technique elements occurrences. The second highest occurrence rate is obtained in *Alfred's Premier Piano course Technique 1A* and *Piano Adventure Primer Technique Book* with a total 14 occurrences or 8% and 9% of a total number of technique elements occurrences.

(3) Tone quality

The following table summarizes the occurrence of techniques in the tone quality involvement category.

Table 26c

Total Page of Technique Elements Occurrences and Tone Quality and Percent of Tone Quality

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of tone quality	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of tone quality	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	1	1%	Alfred's Basic Piano Library Technique 1A (1981)	114	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	139	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	171	4	2%
Bastien Piano Basics Primer Lesson (1985)	90	0	0%	Bastien Piano Basics Primer technique (1985)	96	0	0%
Celebrate Piano 1A (2003)	110	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	0	0%	Hal Leonard Piano Technique Book 1 (1996)	104	5	5%
Music for Piano Book 1 Revised (2006)	168	0	0%	Finger Builders Book 1 Revised (2007)	196	0	0%
Music Pathways Discoveries Lesson Book A (1985)	136	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	0	0%	Piano Adventure Primer Technique Book (2011)	149	0	0%
Piano Discoveries On-Staff Starter (2001)	79	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	0	0%	Piano Town Method Primer Technic Book (2004)	83	0	0%
The Music Tree Time to Begin (2005)	173	0	0%	No Technique Book			

*Percent of total number of occurrences

Only one of the lesson and integrated core books and two of the technique books include techniques that enhance the technique of tone quality. The highest rate is obtained in *Hal Leonard Piano Technique Book 1* with a total 5 occurrences or 5% of total number of technique elements occurrences. The second highest rate is obtained in *Alfred's Premier Piano Course Technique 1A* with a total 4 occurrences or 2% of the total number of technique element occurrences. *Alfred's Basic Piano Library Lesson 1A* has 1 occurrence or 4% of a total number of technique element occurrences.

(4) Listening skills

The following table summarizes the occurrence of techniques in the listening skills category.

Table 26d

Total Page of Technique Elements Occurrences and Listening Skills and Percent of Listening Skills

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of listening skill	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of listening	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	4	4%	Alfred's Basic Piano Library Technique 1A (1981)	114	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	139	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	171	5	3%
Bastien Piano Basics Primer Lesson (1985)	90	0	0%	Bastien Piano Basics Primer technique (1985)	96	0	0%
Celebrate Piano 1A (2003)	110	3	3%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	0	0%	Hal Leonard Piano Technique Book 1 (1996)	104	3	3%
Music for Piano Book 1 Revised (2006)	168	0	0%	Finger Builders Book 1 Revised (2007)	196	0	0%
Music Pathways Discoveries Lesson Book A (1985)	136	5	4%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	3	2%	Piano Adventure Primer Technique Book (2011)	149	4	3%
Piano Discoveries On-Staff Starter (2001)	79	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	0	0%	Piano Town Method Primer Technic Book (2004)	83	0	0%
The Music Tree Time to Begin (2005)	173	29	17%	No Technique Book			

*Percent of total number of occurrences

Five of the eleven lessons and integrated core books and three of the seven technique books contain technique elements that enhance listening skills. The highest rate is obtained in *The Music Tree Time to Begin* with a total 29 occurrences or 17% of the total number of technique element occurrences. The second highest rate is obtained in *Music Pathways Discoveries Lesson Book A* and *Alfred's Premier Piano Course Technique 1A* with a rate drop to a total 5 occurrences or 3% and 4% of the total number of technique element occurrences respectively.

(5) Sitting posture

The following table summarizes the occurrence of techniques in the sitting posture category.

Table 26e

Total Page of Technique Elements Occurrences and Sitting Posture and Percent of Sitting Posture

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of sitting posture	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of sitting posture	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	4	4%	Alfred's Basic Piano Library Technique 1A (1981)	114	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	139	8	6%	Alfred's Premier Piano Course Technique 1A (2005)	171	5	3%
Bastien Piano Basics Primer Lesson (1985)	90	2	3%	Bastien Piano Basics Primer technique (1985)	96	0	0%
Celebrate Piano 1A (2003)	110	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	1	1%	Hal Leonard Piano Technique Book 1 (1996)	104	0	0%
Music for Piano Book 1 Revised (2006)	168	0	0%	Finger Builders Book 1 Revised (2007)	196	0	0%
Music Pathways Discoveries Lesson Book A (1985)	136	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	5	4%	Piano Adventure Primer Technique Book (2011)	149	5	3%
Piano Discoveries On-Staff Starter (2001)	79	3	4%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	3	4%	Piano Town Method Primer Technic Book (2004)	83	1	1%
The Music Tree Time to Begin (2005)	173	0	0%	No Technique Book			

*Percent of total number of occurrences

Seven of the eleven lesson and integrated core books and four of the seven technique books contain technique elements that enhance the sitting posture. The highest rate is obtained in *Alfred's Premier Piano Course Lesson 1A* with a total 8 occurrences or 6% of the total number of technique elements occurrences. The second highest rate is obtained in *Alfred's Premier Piano Course Technique 1A* and *Piano Adventure Primer Lesson* with a total 5 occurrences or 3% or 4% of the total number of technique elements occurrences respectively.

(6) Hand position

The following table summarizes the occurrence of techniques in the hand position category.

Table 26f

Total Page of Technique Elements Occurrences and Hand Position and Percent of Hand Position

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of hand position	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of hand position	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	1	1%	Alfred's Basic Piano Library Technique 1A (1981)	114	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	139	12	9%	Alfred's Premier Piano Course Technique 1A (2005)	171	9	5%
Bastien Piano Basics Primer Lesson (1985)	90	2	3%	Bastien Piano Basics Primer technique (1985)	96	2	2%
Celebrate Piano 1A (2003)	110	5	5%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	9	13%	Hal Leonard Piano Technique Book 1 (1996)	104	6	6%
Music for Piano Book 1 Revised (2006)	168	0	0%	Finger Builders Book 1 Revised (2007)	196	18	9%
Music Pathways Discoveries Lesson Book A (1985)	136	3	2%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	9	7%	Piano Adventure Primer Technique Book (2011)	149	14	9%
Piano Discoveries On-Staff Starter (2001)	79	4	5%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	6	9%	Piano Town Method Primer Technic Book (2004)	83	3	4%
The Music Tree Time to Begin (2005)	173	1	1%	No Technique Book			

*Percent of total number of occurrences

Ten of the eleven lesson and integrated core books and six of the seven technique books contain technique elements that enhance hand position. The highest rate is obtained in *Finger Builders Book 1 Revised* with a total 18 occurrences or 9% of a total number of technique element occurrences. The second highest rate is obtained in *Piano Adventure Primer Technique Book* with a total 14 occurrences or 9% of the total number of technique element occurrences. The books with no hand

position techniques are *Music for piano Book 1 Revised* and *Alfred's Basic Piano Library Technique 1A*.

(7) Use of fingers

The following table summarizes the occurrence of techniques in the use of fingers category.

Table 26g

Total Page of Technique Elements Occurrences and Use of Fingers and Percent of Use of Fingers

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of use of fingers	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of use of fingers	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	114	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	139	2	1%	Alfred's Premier Piano Course Technique 1A (2005)	171	8	5%
Bastien Piano Basics Primer Lesson (1985)	90	0	0%	Bastien Piano Basics Primer technique (1985)	96	0	0%
Celebrate Piano 1A (2003)	110	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	0	0%	Hal Leonard Piano Technique Book 1 (1996)	104	1	1%
Music for Piano Book 1 Revised (2006)	168	0	0%	Finger Builders Book 1 Revised (2007)	196	0	0%
Music Pathways Discoveries Lesson Book A (1985)	136	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	2	2%	Piano Adventure Primer Technique Book (2011)	149	5	3%
Piano Discoveries On-Staff Starter (2001)	79	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	1	1%	Piano Town Method Primer Technic Book (2004)	83	0	0%
The Music Tree Time to Begin (2005)	173	0	0%	No Technique Book			

*Percent of total number of occurrences

Three of the eleven lesson and integrated core books and three of the seven technique books contain technique elements that enhance the use of fingers. The highest rate is obtained in *Alfred's Premier Piano Course Technique 1A* with a total 8 occurrences or 5% of the total number of technique element occurrences. The second

highest rate is obtained in *Piano Adventure Primer Technique* with a total 5 occurrences or 3% of the total number of technique element occurrences.

(8) Upper/forearm movement

The following table summarizes the occurrence of techniques in the forearm movement category.

Table 26h

Total Page of Technique Elements Occurrences and Upper/Forearm Movement and Percent of Upper/Forearm Movement

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of upper/forearm movement	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of upper/forearm movement	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	1	1%	Alfred's Basic Piano Library Technique 1A (1981)	114	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	139	2	1%	Alfred's Premier Piano Course Technique 1A (2005)	171	19	11%
Bastien Piano Basics Primer Lesson (1985)	90	0	0%	Bastien Piano Basics Primer technique (1985)	96	0	0%
Celebrate Piano 1A (2003)	110	9	8%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	1	1%	Hal Leonard Piano Technique Book 1 (1996)	104	9	9%
Music for Piano Book 1 Revised (2006)	168	0	0%	Finger Builders Book 1 Revised (2007)	196	5	3%
Music Pathways Discoveries Lesson Book A (1985)	136	1	1%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	3	2%	Piano Adventure Primer Technique Book (2011)	149	14	9%
Piano Discoveries On-Staff Starter (2001)	79	2	3%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	0	0%	Piano Town Method Primer Technic Book (2004)	83	1	1%
The Music Tree Time to Begin (2005)	173	6	3%	No Technique Book			

*Percent of total number of occurrences

Eight of the eleven lesson and integrated core books and five of the seven technique books contain technique elements that enhance forearm movement. The highest rate is obtained in *Alfred's Premier Piano Course Technique 1A* with a total

19 occurrence or 11% of the total number of technique element occurrences. The second highest rate is obtained in *Piano Adventure Primer Technique Book* with a total 14 occurrences.

(9) Wrist movement

The following table summarizes the occurrence of techniques in the wrist movement category.

Table 26i

Total Page of Technique Elements Occurrences and Wrist Movement and Percent of Wrist Movement

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of wrist movement	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of wrist movement	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	114	1	1%
Alfred's Premier Piano Course Lesson 1A (2005)	139	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	171	3	2%
Bastien Piano Basics Primer Lesson (1985)	90	1	1%	Bastien Piano Basics Primer technique (1985)	96	4	4%
Celebrate Piano 1A (2003)	110	2	2%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	0	0%	Hal Leonard Piano Technique Book 1 (1996)	104	4	4%
Music for Piano Book 1 Revised (2006)	168	8	5%	Finger Builders Book 1 Revised (2007)	196	10	5%
Music Pathways Discoveries Lesson Book A (1985)	136	1	1%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	1	1%	Piano Adventure Primer Technique Book (2011)	149	3	2%
Piano Discoveries On-Staff Starter (2001)	79	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	0	0%	Piano Town Method Primer Technic Book (2004)	83	0	0%
The Music Tree Time to Begin (2005)	173	0	0%	No Technique Book			

*Percent of total number of occurrences

Five of total eleven lesson and integrated core books and six of the seven technique books contain technique elements that enhance wrist movement. The highest rate is obtained in *Fingers Builders Book 1 Revised* with a total 10

occurrences or 5% of the total number of technique element occurrences. The second highest rate is obtained in *Music for Piano Book Revised* with a total 8 occurrences or 5% of the total number of technique element occurrences.

(10) Finger activity

The following table summarizes the occurrence of techniques in the finger activity category.

Table 26j

Total Page of Technique Elements Occurrences and Finger Activity and Percent of Finger Activity

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of finger activity	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of finger activity	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	5	5%	Alfred's Basic Piano Library Technique 1A (1981)	114	11	10%
Alfred's Premier Piano Course Lesson 1A (2005)	139	8	6%	Alfred's Premier Piano Course Technique 1A (2005)	171	20	12%
Bastien Piano Basics Primer Lesson (1985)	90	9	10%	Bastien Piano Basics Primer technique (1985)	96	0	0%
Celebrate Piano 1A (2003)	110	22	21%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	6	8%	Hal Leonard Piano Technique Book 1 (1996)	104	7	7%
Music for Piano Book 1 Revised (2006)	168	18	11%	Finger Builders Book 1 Revised (2007)	196	9	5%
Music Pathways Discoveries Lesson Book A (1985)	136	14	10%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	20	16%	Piano Adventure Primer Technique Book (2011)	149	8	5%
Piano Discoveries On-Staff Starter (2001)	79	1	1%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	4	6%	Piano Town Method Primer Technic Book (2004)	83	6	7%
The Music Tree Time to Begin (2005)	173	11	6%	No Technique Book			

*Percent of total number of occurrences

All the method books analyzed in this study contain the technique elements that enhance finger activity. The highest rate of occurrence is obtained in *Celebration Piano 1A* with a total 22 occurrences or 21% of the total number of technique element

occurrences. The second highest rate is obtained in *Alfred's Premier Piano Course Technique 1A* and *Piano Adventure Primer Lesson* with a total 20 occurrences or 12% and 16% of the total number of technique element occurrences respectively. The lowest rate is obtained in *Piano Discoveries On-Staff Starter* with only 1 occurrence or 1% of the total number of technique element occurrences.

(11) Lateral movement.

There is no method books analyzed contains the technique elements that enhance the technique of lateral movement.

(12) Slur

The following table summarizes the occurrence of techniques in the slur category.

Table 26k

Total Page of Technique Elements Occurrences and Slur and Percent of Slur

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of relaxation	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of relaxation	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	4	4%	Alfred's Basic Piano Library Technique 1A (1981)	114	8	7%
Alfred's Premier Piano Course Lesson 1A (2005)	139	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	171	0	0%
Bastien Piano Basics Primer Lesson (1985)	90	1	1%	Bastien Piano Basics Primer technique (1985)	96	11	12%
Celebrate Piano 1A (2003)	110	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	0	0%	Hal Leonard Piano Technique Book 1 (1996)	104	0	0%
Music for Piano Book 1 Revised (2006)	168	2	1%	Finger Builders Book 1 Revised (2007)	196	2	1%
Music Pathways Discoveries Lesson Book A (1985)	136	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	0	0%	Piano Adventure Primer Technique Book (2011)	149	0	0%
Piano Discoveries On-Staff Starter (2001)	79	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	1	2%	Piano Town Method Primer Technic Book (2004)	83	3	4%
The Music Tree Time to Begin (2005)	173	11	6%	No Technique Book			

*Percent of total number of occurrences

Five of the eleven lesson and integrated core books and four of the seven technique books contain technique elements that enhance slur playing. The highest rate is obtained in *Bastien Piano Basics Primer Technique* and *The Music Tree Time to Begin* with a total 11 occurrences or 12% and 6% of the total number of technique element occurrences respectively. The second highest rate is obtained in *Alfred's Basic Piano Library Technique 1A* with a total 8 occurrences or 7% of the total number of technique element occurrences.

(13) Staccato

The following table summarizes the occurrence of techniques in the staccato category.

Table 261

Total Page of Technique Elements Occurrences and Staccato and Percent of Staccato

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of staccato	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of staccato	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	114	3	3%
Alfred's Premier Piano Course Lesson 1A (2005)	139	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	171	0	0%
Bastien Piano Basics Primer Lesson (1985)	90	0	0%	Bastien Piano Basics Primer technique (1985)	96	4	4%
Celebrate Piano 1A (2003)	110	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	0	0%	Hal Leonard Piano Technique Book 1 (1996)	104	4	4%
Music for Piano Book 1 Revised (2006)	168	3	2%	Finger Builders Book 1 Revised (2007)	196	4	2%
Music Pathways Discoveries Lesson Book A (1985)	136	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	0	0%	Piano Adventure Primer Technique Book (2011)	149	0	0%
Piano Discoveries On-Staff Starter (2001)	79	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	0	0%	Piano Town Method Primer Technic Book (2004)	83	0	0%
The Music Tree Time to Begin (2005)	173	0	0%	No Technique Book			

*Percent of total number of occurrences

One of the lesson and integrated core books and four of the seven technique books contain the technique elements that enhance staccato playing. The lesson book containing staccato is *Music for Piano Book 1 Revised*. Among the technique books, the highest rate is obtained in *Bastien Piano Basic Primer Technique*, *Hal Leonard Piano Technique Book 1* and *Finger Builders Book 1 Revised* with a total 4 occurrences or 4%, 4% and 2% of the total number of technique elements occurrences respectively.

(14) Legato

The following table summarizes the occurrence of techniques in the legato category.

Table 26m

Total Page of Technique Elements Occurrences and Legato and Percent of Legato

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of relaxation	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of relaxation	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	1	1%	Alfred's Basic Piano Library Technique 1A (1981)	114	1	1%
Alfred's Premier Piano Course Lesson 1A (2005)	139	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	171	0	0%
Bastien Piano Basics Primer Lesson (1985)	90	2	3%	Bastien Piano Basics Primer technique (1985)	96	2	2%
Celebrate Piano 1A (2003)	110	7	6%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	0	0%	Hal Leonard Piano Technique Book 1 (1996)	104	4	4%
Music for Piano Book 1 Revised (2006)	168	0	0%	Finger Builders Book 1 Revised (2007)	196	2	1%
Music Pathways Discoveries Lesson Book A (1985)	136	7	5%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	0	0%	Piano Adventure Primer Technique Book (2011)	149	0	0%
Piano Discoveries On-Staff Starter (2001)	79	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	2	3%	Piano Town Method Primer Technic Book (2004)	83	2	3%
The Music Tree Time to Begin (2005)	173	0	0%	No Technique Book			

*Percent of total number of occurrences

Five of the eleven lesson and integrated core books and five of the seven technique books contain the technique elements that enhance technique of legato. The highest occurrence rate is obtained in *Celebrate Piano 1A* and *Music Pathways Discoveries Book A* with a total 7 occurrences or 6% and 5% of the total number of technique elements occurrence respectively. The second highest occurrence rate is obtained in *Hal Leonard Piano Technique Book 1* with a total 4 occurrences or 4% of the total number of technique element occurrences.

(15) Dynamics & Tenuto

The following table summarizes the occurrence of techniques in the dynamic and tenuto category.

Table 26n

Total Page of Technique Elements Occurrences and Dynamic & Tenuto and Percent of Dynamic & Tenuto

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of dynamics & tenuto	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of dynamics & tenuto	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	28	27%	Alfred's Basic Piano Library Technique 1A (1981)	114	28	25%
Alfred's Premier Piano Course Lesson 1A (2005)	139	39	28%	Alfred's Premier Piano Course Technique 1A (2005)	171	28	16%
Bastien Piano Basics Primer Lesson (1985)	90	14	16%	Bastien Piano Basics Primer technique (1985)	96	27	28%
Celebrate Piano 1A (2003)	110	10	9%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	14	20%	Hal Leonard Piano Technique Book 1 (1996)	104	25	24%
Music for Piano Book 1 Revised (2006)	168	36	21%	Finger Builders Book 1 Revised (2007)	196	21	11%
Music Pathways Discoveries Lesson Book A (1985)	136	35	26%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	20	16%	Piano Adventure Primer Technique Book (2011)	149	27	16%
Piano Discoveries On-Staff Starter (2001)	79	31	39%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	0	0%	Piano Town Method Primer Technic Book (2004)	83	2	3%
The Music Tree Time to Begin (2005)	173	24	14%	No Technique Book			

*Percent of total number of occurrences

Almost all of the eleven of the lesson and integrated core books and all of the seven technique books contain the technique elements that enhance dynamics and tenutos playing. The book does not contain dynamics and tenuto playing is *Piano Town Method Primer Lesson Book*. The highest rate is obtained in *Alfred's Premier Piano Course Lesson 1A* with a total 39 occurrences or 28% of the total number of technique element occurrences. The second highest rate and the third highest rate are obtained in *Music for Piano Book 1 Revised* and *Music Pathways Discoveries Book A* with a total 36 and 35 occurrences or 21% and 26% of the total number of technique element occurrence respectively.

(16) Phrasing

The following table summaries the occurrence of techniques in the phrasing category.

Table 26o

Total Page of Technique Elements Occurrences and Phrasing and Percent of Phrasing

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of phrasing	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of phrasing	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	3	3%	Alfred's Basic Piano Library Technique 1A (1981)	114	9	8%
Alfred's Premier Piano Course Lesson 1A (2005)	139	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	171	0	0%
Bastien Piano Basics Primer Lesson (1985)	90	7	8%	Bastien Piano Basics Primer technique (1985)	96	0	0%
Celebrate Piano 1A (2003)	110	5	5%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	0	0%	Hal Leonard Piano Technique Book 1 (1996)	104	0	0%
Music for Piano Book 1 Revised (2006)	168	13	8%	Finger Builders Book 1 Revised (2007)	196	0	0%
Music Pathways Discoveries Lesson Book A (1985)	136	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	0	0%	Piano Adventure Primer Technique Book (2011)	149	0	0%

Piano Discoveries On-Staff Starter (2001)	79	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	0	0%	Piano Town Method Primer Technic Book (2004)	83	0	0%
The Music Tree Time to Begin (2005)	173	0	0%	No Technique Book			

*Percent of total number of occurrences

Four of the eleven lesson and integrated core books and one of the technique books contain the technique elements that enhance phrasing. The highest rate is obtained in *Music for Piano Book 1 Revised* with a total 13 occurrences or 8% of the total number of technique element occurrences. The second highest rate is obtained in *Alfred's Basic Piano Library Technique 1A* with a total 9 occurrences or 8% of the total number of technique element occurrences.

(17) Scale

The following table summarizes the occurrence of techniques in the scale category.

Table 26p

Total Page of Technique Elements Occurrences and Scale and Percent of Scale

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of scale	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of scale	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	8	9%	Alfred's Basic Piano Library Technique 1A (1981)	114	6	5%
Alfred's Premier Piano Course Lesson 1A (2005)	139	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	171	0	0%
Bastien Piano Basics Primer Lesson (1985)	90	4	5%	Bastien Piano Basics Primer technique (1985)	96	3	3%
Celebrate Piano 1A (2003)	110	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	0	0%	Hal Leonard Piano Technique Book 1 (1996)	104	0	0%
Music for Piano Book 1 Revised (2006)	168	35	21%	Finger Builders Book 1 Revised (2007)	196	18	14%
Music Pathways Discoveries Lesson Book A (1985)	136	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	5	4%	Piano Adventure Primer Technique Book (2011)	149	2	1%
Piano Discoveries On-Staff Starter (2001)	79	0	0%	No Technique Book			

Piano Town Method Primer Lesson Book (2004)	69	7	11%	Piano Town Method Primer Technic Book (2004)	83	7	10%
The Music Tree Time to Begin (2005)	173	0	0%	No Technique Book			

*Percent of total number of occurrences

Five of the eleven lesson and integrated core books and five of the seven technique books contain technique elements that enhance scale playing. The highest rate is obtained in *Music for Piano Book 1 Revised* with a total 35 occurrences or 21% of the total number of technique element occurrences. The second highest rate is obtained in the same series *Music for Piano Finger Builders Book 1 Revised* with a total 18 occurrences or 14% of the total number of technique element occurrences.

(18) Pedaling

The following table summarizes the occurrence of techniques in the pedaling category.

Table 26q

Total Page of Technique Elements Occurrences and of Pedaling and Percent of Pedaling

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of pedaling	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of pedaling	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	114	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	139	6	4%	Alfred's Premier Piano Course Technique 1A (2005)	171	3	2%
Bastien Piano Basics Primer Lesson (1985)	90	0	0%	Bastien Piano Basics Primer technique (1985)	96	0	0%
Celebrate Piano 1A (2003)	110	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	0	0%	Hal Leonard Piano Technique Book 1 (1996)	104	0	0%
Music for Piano Book 1 Revised (2006)	168	0	0%	Finger Builders Book 1 Revised (2007)	196	0	0%
Music Pathways Discoveries Lesson Book A (1985)	136	1	1%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	1	1%	Piano Adventure Primer Technique Book (2011)	149	6	4%
Piano Discoveries On-Staff Starter	79	0	0%	No Technique Book			

(2001)							
Piano Town Method Primer Lesson Book (2004)	69	0	0%	Piano Town Method Primer Technic Book (2004)	83	0	0%
The Music Tree Time to Begin (2005)	173	0	0%	No Technique Book			

*Percent of total number of occurrences

Three of the eleven lesson and integrated core books and two of the seven technique books contain the technique elements that enhance the technique of pedaling. The highest rate is obtained in *Alfred's Premier Piano Course Lesson 1A* and *Piano Adventure Primer Technique* with a total 6 occurrences or 4% of the total number of technique elements occurrence respectively. The second highest rate is obtained in *Alfred's Premier Piano Course Technique 1A* with a total 3 occurrences or 2% of total number of technique element occurrences.

(19) Hands coordination

The following table summarizes the occurrence of techniques in the hands coordination category.

Table 26r

Total Page of Technique Elements Occurrences and of Hands Coordination and Percent of Hands Coordination

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of hand coordination	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of hand coordination	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	43	41%	Alfred's Basic Piano Library Technique 1A (1981)	114	47	41%
Alfred's Premier Piano Course Lesson 1A (2005)	139	57	41%	Alfred's Premier Piano Course Technique 1A (2005)	171	50	29%
Bastien Piano Basics Primer Lesson (1985)	90	47	52%	Bastien Piano Basics Primer technique (1985)	96	37	39%
Celebrate Piano 1A (2003)	110	45	41%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	38	54%	Hal Leonard Piano Technique Book 1 (1996)	104	29	28%
Music for Piano Book 1 Revised (2006)	168	53	32%	Finger Builders Book 1 Revised (2007)	196	80	41%

Music Pathways Discoveries Lesson Book A (1985)	136	66	49%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	48	38%	Piano Adventure Primer Technique Book (2011)	149	46	30%
Piano Discoveries On-Staff Starter (2001)	79	37	47%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	34	55%	Piano Town Method Primer Technic Book (2004)	83	37	54%
The Music Tree Time to Begin (2005)	173	71	41%	No Technique Book			

*Percent of total number of occurrences

All of the eighteen method books analyzed in this study contain the technique elements that enhance hands coordination. The highest rate is obtained in *Finger Builders Book 1 Revised* with a total 80 occurrences or 41% of the total number of technique element occurrences. The second highest rate is obtained in *The Music Tree Time to Begin Lesson* with a total 71 occurrences or 41% of the total number of technique element occurrences. The lowest rate is obtained in Hal Leonard Piano Technique Book 1 with a total 29 occurrences or 28% of the total number of technique element occurrences and the rate difference is 51 occurrences.

(20) Sensation

The following table summarizes the occurrence of techniques in the sensation category.

Table 26s

Total Page of Technique Elements Occurrences and Sensation and Percent of Sensation

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of sensation	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of sensation	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	114	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	139	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	171	1	1%
Bastien Piano Basics Primer Lesson (1985)	90	1	1%	Bastien Piano Basics Primer technique (1985)	96	0	0%
Celebrate Piano 1A (2003)	110	0	0%	No Technique Book			

Hal Leonard Piano Lesson Book 1 (1996)	71	0	0%	Hal Leonard Piano Technique Book 1 (1996)	104	1	1%
Music for Piano Book 1 Revised (2006)	168	0	0%	Finger Builders Book 1 Revised (2007)	196	10	5%
Music Pathways Discoveries Lesson Book A (1985)	136	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	0	0%	Piano Adventure Primer Technique Book (2011)	149	0	0%
Piano Discoveries On-Staff Starter (2001)	79	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	0	0%	Piano Town Method Primer Technic Book (2004)	83	0	0%
The Music Tree Time to Begin (2005)	173	0	0%	No Technique Book			

*Percent of total number of occurrences

One of the eleven lesson and integrated core books and three of the seven technique books contain the technique elements that enhance sensation. The highest rate is obtained in *Music for Piano Finger Builder Book 1 Revised* with a total 10 occurrences or 5% of the total number of technique element occurrences enhances the technique of sensation in piano playing. All other four method books: *Alfred's Premier Piano Course Technique 1A*, *Bastien Piano Basic Primer Lesson* and *Hal Leonard Piano Technique Book 1* have 1 occurrence or 1% of the total number of technique element occurrences.

(21) Broken chord

The following table summarizes the occurrence of techniques in the broken chord category.

Table 26t

Total Page of Technique Elements Occurrences and Broken Chord and Percent of Broken Chord

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of broken chord	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of broken chord	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	114	0	0%

Alfred's Premier Piano Course Lesson 1A (2005)	139	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	171	0	0%
Bastien Piano Basics Primer Lesson (1985)	90	0	0%	Bastien Piano Basics Primer technique (1985)	96	0	0%
Celebrate Piano 1A (2003)	110	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	0	0%	Hal Leonard Piano Technique Book 1 (1996)	104	0	0%
Music for Piano Book 1 Revised (2006)	168	0	0%	Finger Builders Book 1 Revised (2007)	196	5	3%
Music Pathways Discoveries Lesson Book A (1985)	136	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	0	0%	Piano Adventure Primer Technique Book (2011)	149	0	0%
Piano Discoveries On-Staff Starter (2001)	79	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	0	0%	Piano Town Method Primer Technic Book (2004)	83	0	0%
The Music Tree Time to Begin (2005)	173	0	0%	No Technique Book			

*Percent of total number of occurrences

Only one method book *Music for Piano Finger Builders Book 1 Revised* contains the technique elements that enhance broken chord playing. There are a total 5 occurrences or 3% of the total number technique element occurrences.

(22) Arpeggio

The following table summarizes the occurrence of techniques in the arpeggio category.

Table 26u

Total Page of Technique Elements Occurrences and Arpeggio and Percent of Arpeggio

Lesson and integrated Core Books				Technique Books			
Book Title	Total number of technique elements occurrences	Occurrence of arpeggio	Percentage*	Book Title	Total number of technique elements occurrences	Occurrence of arpeggio	Percentage*
Alfred's Basic Piano Library Lesson 1A (1981)	104	0	0%	Alfred's Basic Piano Library Technique 1A (1981)	114	0	0%
Alfred's Premier Piano Course Lesson 1A (2005)	139	0	0%	Alfred's Premier Piano Course Technique 1A (2005)	171	0	0%
Bastien Piano Basics Primer Lesson (1985)	90	0	0%	Bastien Piano Basics Primer technique (1985)	96	0	0%

Celebrate Piano 1A (2003)	110	0	0%	No Technique Book			
Hal Leonard Piano Lesson Book 1 (1996)	71	0	3%	Hal Leonard Piano Technique Book 1 (1996)	104	0	0%
Music for Piano Book 1 Revised (2006)	168	0	0%	Finger Builders Book 1 Revised (2007)	196	2	1%
Music Pathways Discoveries Lesson Book A (1985)	136	0	0%	No Technique Book			
Piano Adventure Primer Lesson Book (2011)	126	0	0%	Piano Adventure Primer Technique Book (2011)	149	0	0%
Piano Discoveries On-Staff Starter (2001)	79	0	0%	No Technique Book			
Piano Town Method Primer Lesson Book (2004)	69	0	0%	Piano Town Method Primer Technic Book (2004)	83	0	0%
The Music Tree Time to Begin (2005)	173	0	0%	No Technique Book			

*Percent of total number of occurrences

Only one method book *Music for Piano Finger Builders Book 1 Revised* contains the technique elements that enhance arpeggio playing. There are a total 2 occurrences or 1% of the total number technique element occurrences.

3.2.4 (c) Categories of Musical and Biomechanical Development by the Technique Elements Reinforced

- Category of Musical Development

The following figure summarizes the occurrences of reinforced techniques that enhance musical development.

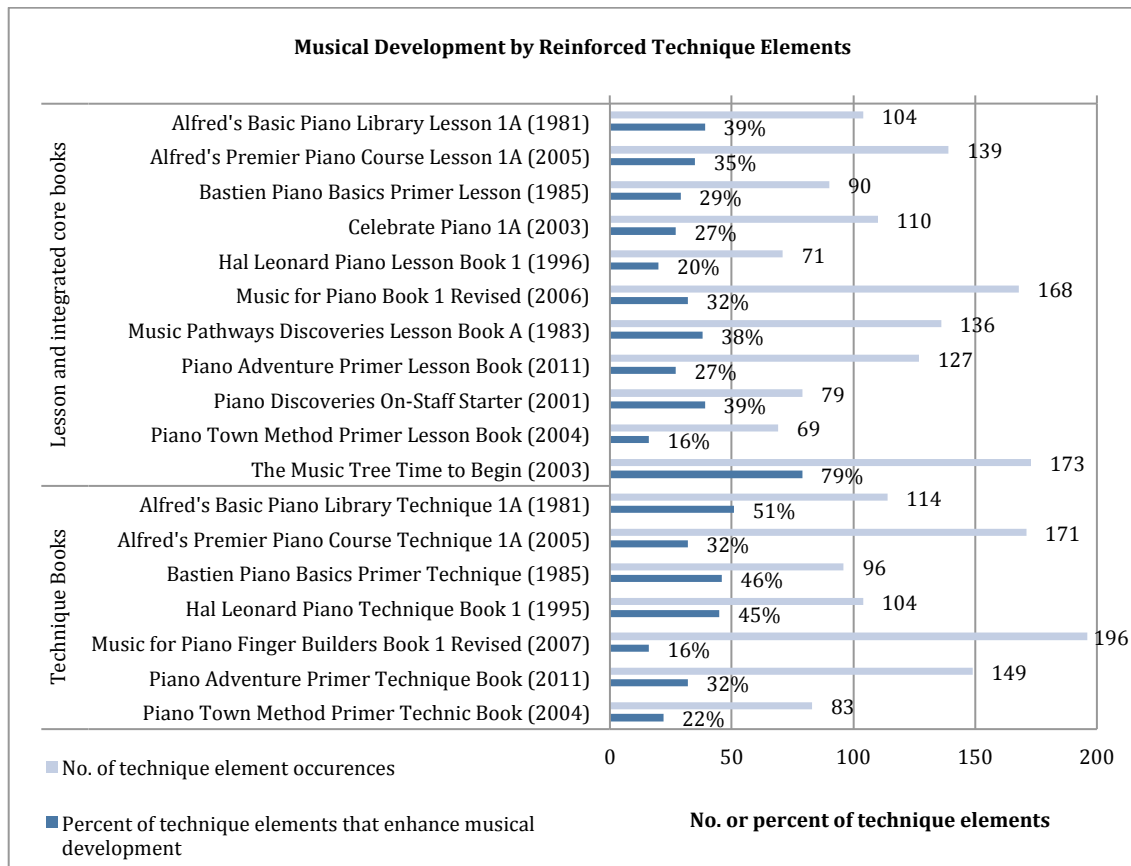


Figure 14. Total Number of Technique Elements Occurrence and Percentage of Techniques that Enhance Musical Development

Figure 14 displays the percentages of total technique element occurrences that enhance musical development in piano playing in the first 40 pages of the lesson books and integrated core books and the total number of pages of technique books. The highest rate is obtained in *The Music Tree Time to Begin Lesson* with 79% of the total number of technique element occurrences. The second highest rate is obtained in *Alfred's Basic Piano Library Technique* with 51% of the total number of technique element occurrences. The lowest rate is obtained in *Music Pathways Discoveries Book A* and *Piano Town Method Primer Lesson* with 16% of the total number of technique element occurrences.

- Category of Biomechanical Development

The following figure summarizes the occurrences of reinforced techniques that enhance biomechanical development.

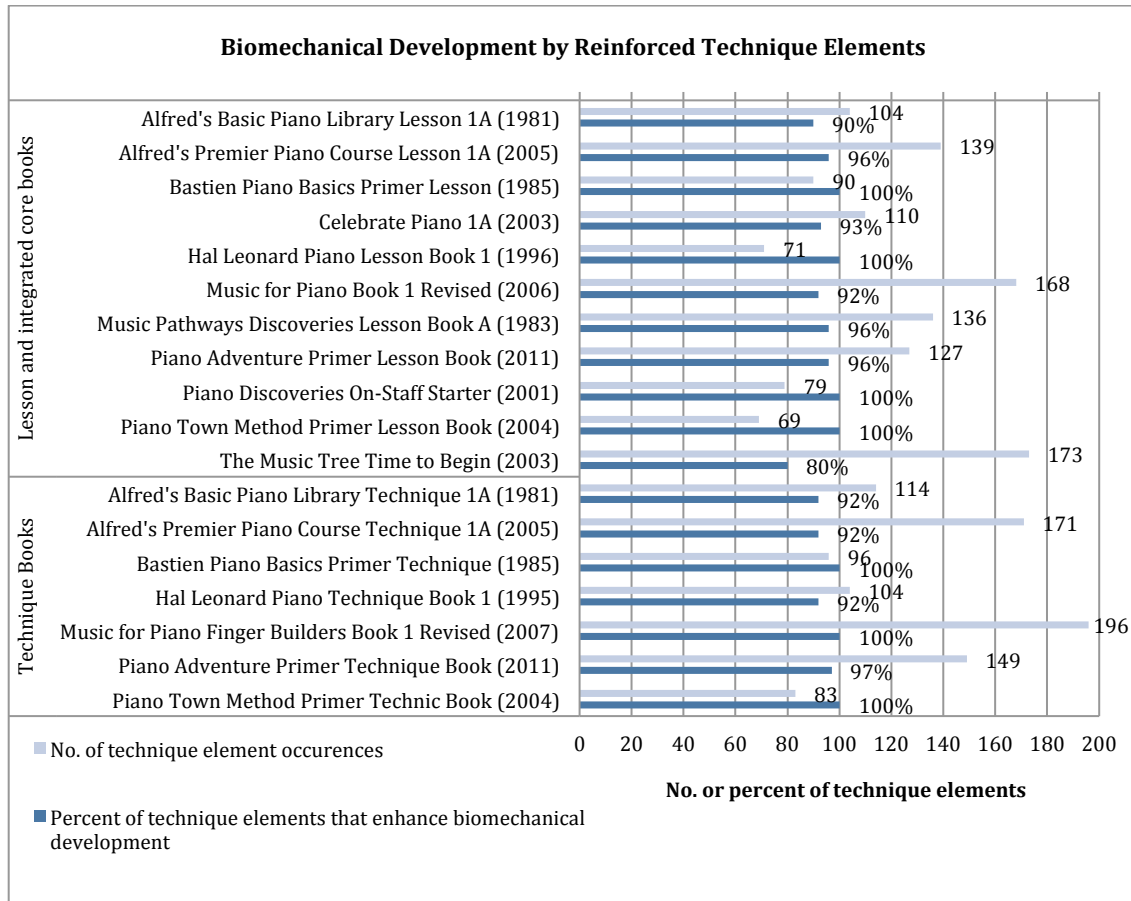


Figure 15. Total Number of Technique Elements Occurrence and Percentage of Techniques that Enhance Biomechanical Development

Figure 15 displays the percentages of total technique element occurrences that enhance biomechanical development in piano playing in the first 40 pages of the lesson books and integrated core books and the total number of pages of technique books. The following 7 books have the highest rate 100% of the total number of technique element occurrence: *Bastien Piano Basic Primer Lesson and Technique*, *Hal Leonard Piano Lesson Book 1*, *Music for Piano Finger Builders Book 1 Revised*, *Piano Discoveries On-Staff Starter* and *Piano Town Method Primer Lesson* and

Technique Book. The lowest rate is obtained in *The Music Tree Time to Begin Lesson* with 80% of the total number of technique element occurrences.

3.2.4 (d) Methods of Reinforcement

The following table shows the categorization of the reinforced techniques according to type of presentation.

Table 27

Total Pages of Technique Elements Categorized by Type of Reinforcement and Percent of Total Pages Analyzed

Name of Method Book	Alfred's Basic Piano Library Lesson 1A (1981)		Alfred's Basic Piano Library Technique 1A (1981)		Alfred Premier Piano Course Lesson 1A (2005)		Alfred Premier Piano Course Technique 1A (2005)		Bastien Piano Basics Primer Lesson (1985)		Bastien Piano Basics Primer Technique (1985)		Celebrate Piano 1A (2003)		Hal Leonard Piano Lessons Book 1 (1996)		Hal Leonard Piano Technique Book 1 (1996)	
	Total Page	Percent of total page	Total Page	Percent of total page	Total Page	Percent of total page	Total Page	Percent of total page	Total Page	Percent of total page	Total Page	Percent of total page	Total Page	Percent of total page	Total Page	Percent of total page	Total Page	Percent of total page
Total no. of page analyzed	40		22		40		29		40		30		40		40		30	
Methods of reinforcement																		
Activity	6	15%	1	5%	9	23%	8	28%	1	3%			16	40%	7	18%	1	3%
Written instruction	8	20%			16	40%	6	21%	5	13%			9	23%	6	15%		
Signs/notes written on music	4	100%	21	95%	32	80%	25	86%	28	73%	29	97%	21	53%	24	60%	25	83%
Use of picture	6	15%	1	5%	1	3%	1	3%	9	23%	1	3%	2	5%	3	8%		
Checklist remind student					1	3%												
Practice Journal/Plan/Step/Direction					3	8%			3	8%	1	3%	11	28%				
Workout information					4	10%												
Question													3	8%				
Technique tool (written in a statement)							6	21%										
Technique tip: statement to remind student							14	48%										
Etude (statement remind student)							1	3%										
Technique Quiz							6	21%										
Musical fitness plan (Check List for the concept)																	4	13%
Musical fitness plan (with warm ups) written instruction																	5	17%
Daily exercise																		
Finger check																		
Discovery																		
technique secret																		
Artistry magic																		
Bobo																		
Chip																		
Total no. of types of reinforcement	4		3		7		8		5		3		6		4		4	

Name of Method Book	Music For Piano Lesson Book 1 Revised (2006)	Finger Builders Book 1 (2007)	Music Pathways Discoveries Book A (1983)	Piano Adventure Primer Lesson Book (2011)	Piano Adventure Primer Technique (2011)	Piano Discoveries On-Staff Starter (2001)	Piano Town Primer Lesson Book (2004)	Piano Town Primer Technic Book (2004)	The Music Tree Time to Begin (2003)									
Total no. of page analyzed	40	40	40	40	28	40	40	31	40									
Methods of reinforcement	Total Page	Percent of total page	Total Page	Percent of total page	Total Page	Percent of total page	Total Page	Percent of total page	Total Page	Percent of total page								
Activity	16	40%	1	3%	6	15%	15	26%	19	68%	1	3%	4	10%	1	3%	32	80%
Written instruction	4	10%	26	65%	8	20%	5	85	11	39%	2	5%	1	3%			8	20%
Signs/notes written on music	32	80%	28	70%	34	85%	29	84%	23	82%	34	85%	32	80%	30	97%	31	28%
Use of picture	8	10%	12	30%	19	48%	5	9%	2	7%							2	5%
Checklist remind student			3	8%														
Practice Journal/Plan/Step/Direction							6	9%										
Workout information																		
Question					2	5%	7	38%	5	18%			3	8%			15	38%
Technique tool (written in a statement)																		
Technique tip: statement to remind student																		
Etude (statement remind student)																		
Technique Quiz																		
Musical fitness plan (Check List for the concept)																		
Musical fitness plan (with warm ups) written instruction																		
Daily exercise					3	8%												
Finger check							1	3%										
Discovery							2	5%										
Technique secret									16	57%								
Artistry magic									6	10%								
Bobo																	24	60%
Chip																	2	5%
Total no. of types of reinforcement	4		5		6		8		7		3		4		2		7	

In Table 22, the highest number of types of presentation used for reinforcing the technique elements is obtained in *Alfred's Premier Piano Course Technique* and *Piano Adventure Primer Lesson* with a total 8 types are used. The lowest number of types of presentation used for reinforcing the technique elements is obtained in *Piano Town Primer Technic Book* with a total 2 types are used. There are six presentation types commonly used by at least four or more method books in this study. These six presentation types are: activity, written instruction, signs/notes written on music, use of pictures, practice journal/plan/step/direction and use of questions. The figures below display the percentage of technique elements reinforced by these six presentation types.

(1) Activity

The following figure summarizes the occurrences of reinforced techniques using activity as the type of presentation.

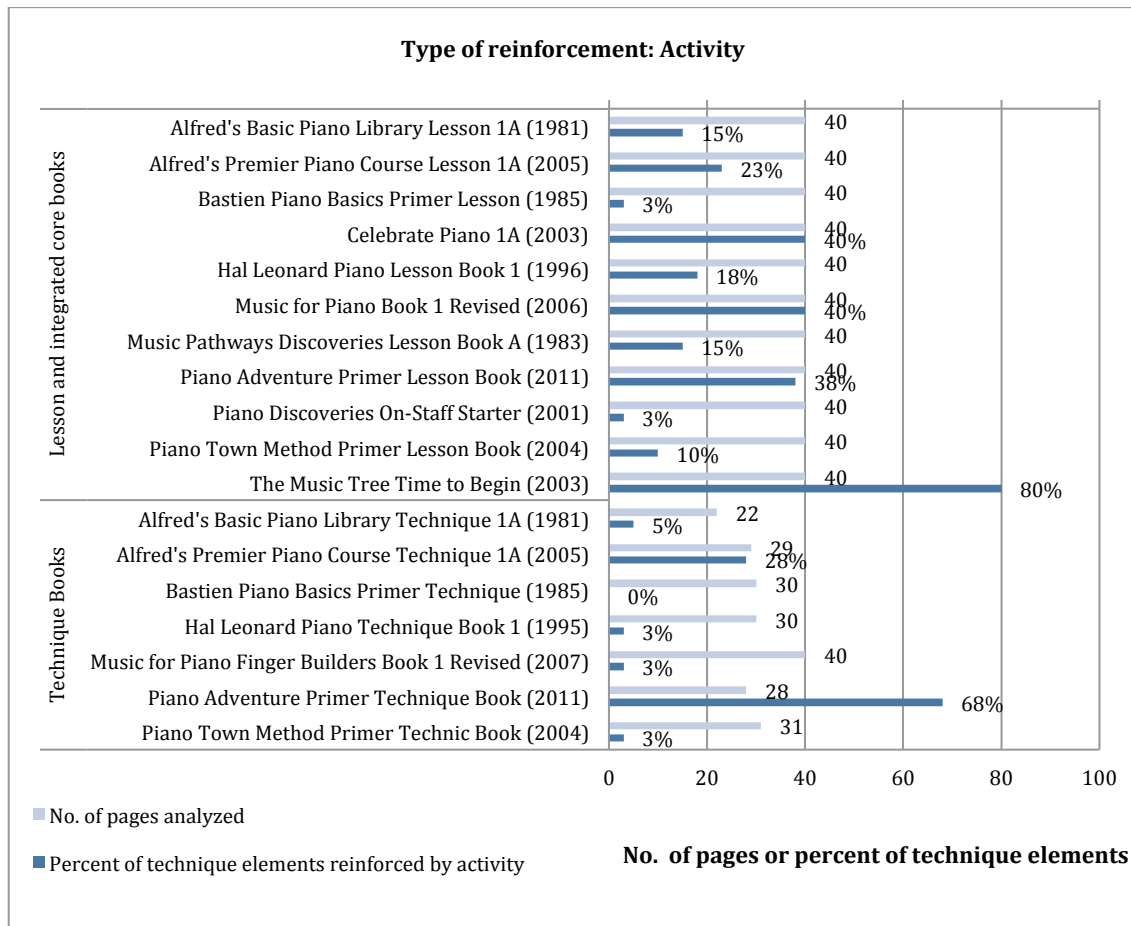


Figure 16. Total Number of Pages Analyzed and Percent of Technique Elements in Total Pages Reinforced by Activity

Figure 16 shows a total 14 method books use the activity as presentation type to reinforce the technique elements. They ranged from 3% of the total number of pages analyzed to 80% of the total number of pages. *Bastien Piano Book Primer Technic* has 0% of the total pages analyzed use this type of presentation to reinforce the technique elements.

(2) Written instruction

The following figure summarizes the occurrences of reinforced techniques using written instruction as the type of presentation.

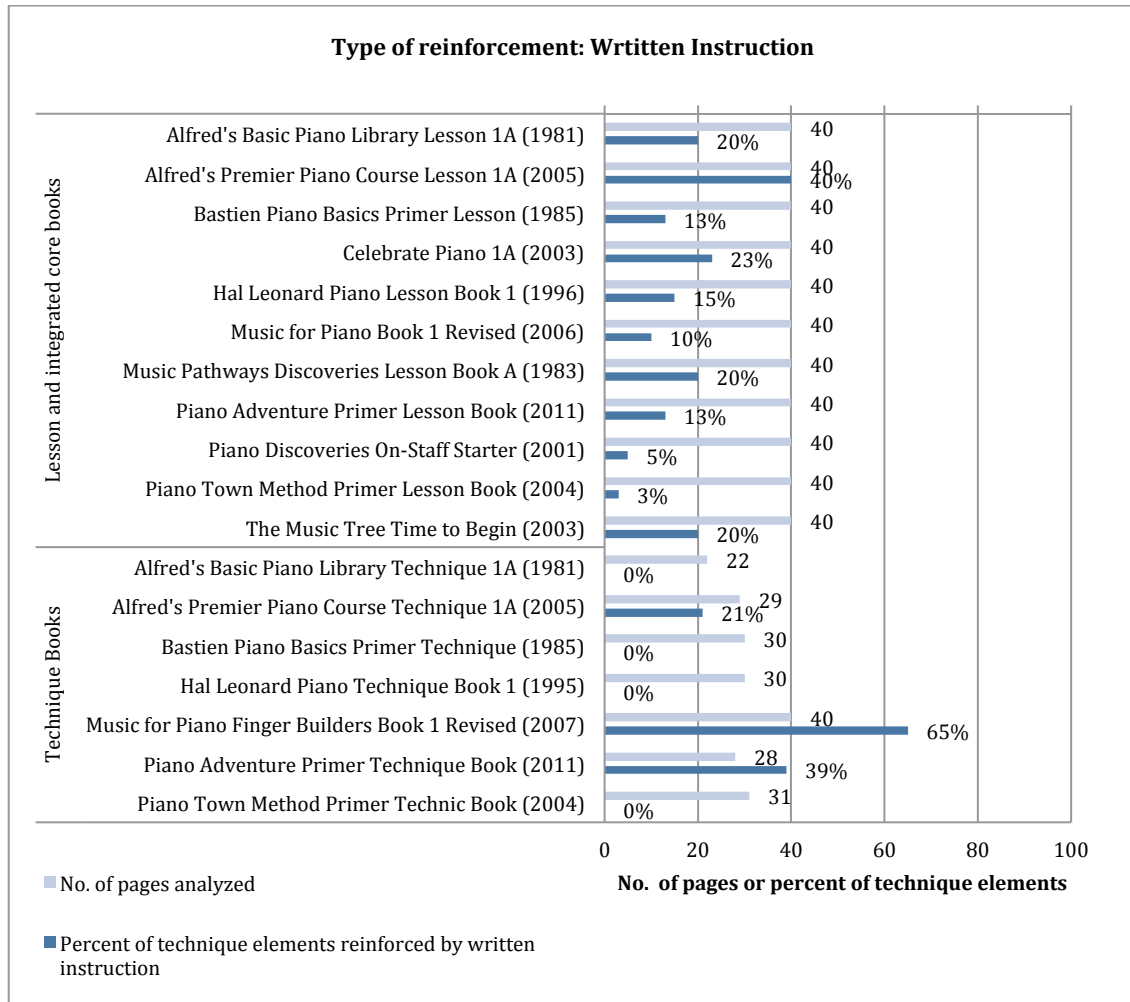


Figure 17. Total Number of Pages Analyzed and Percent of Technique Elements in Total Pages Reinforced by Written Instruction

Figure 17 shows a total 14 method books use the written instruction as presentation type to reinforce the technique elements. They ranged from 3% of the total number of pages analyzed to 65% of the total number of pages analyzed. Four method books: *Alfred's Basic Piano Library Technique 1A*, *Bastien Piano Basic Primer Technique*, *Hal Leonard Piano Technique Book 1* and *Piano Town Primer Technic Book* do not use this type of presentation to reinforce technique elements.

(3) Signs/Notes Written on Music

The following figure summarizes the occurrences of reinforced techniques using signs/notes written on music as the type of presentation.

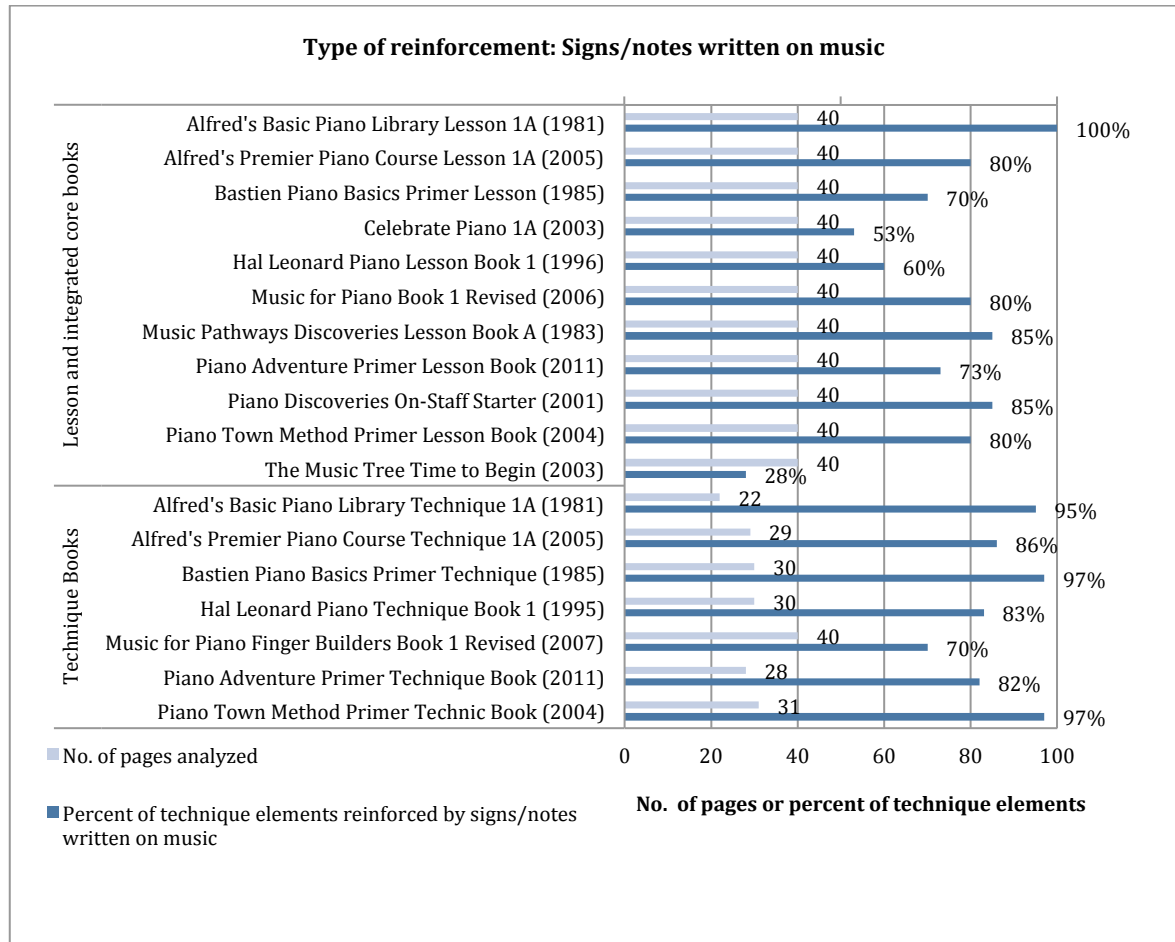


Figure 18. Total Number of Pages Analyzed and Percent of Technique Elements in Total Pages Reinforced by Signs/Notes Written on Music

Figure 18 shows that all of 18 method books analyzed in this study use the signs and notes on music as presentation type to reinforce the technique elements. They ranged from 28% of the total number of pages analyzed to 100% of the total number of pages analyzed. The average rate among all the method books is 78%.

(4) Use of Pictures

The following figure summarizes the occurrences of reinforced techniques using use of pictures as the type of presentation.

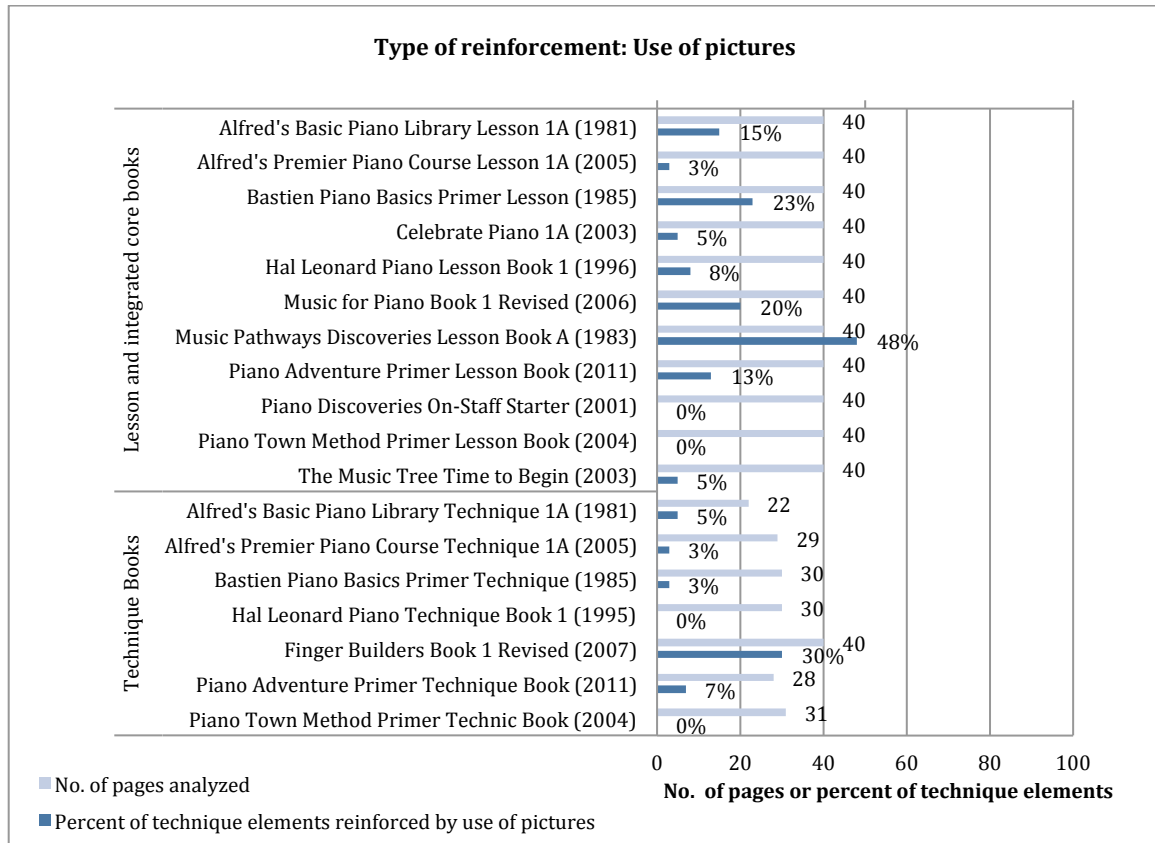


Figure 19. Total Number of Pages Analyzed and Percent of Technique Elements in Total Pages Reinforced by Use of Pictures

Figure 19 shows a total 14 of the method books analyzed use pictures as presentation type to reinforce the technique elements. They ranged from 3% of the total number of pages to 48% of the total number of the total number of pages. Four method books do not use pictures as presentation type for reinforcing the technique elements. They are *Hal Leonard Piano Technique Book 1*, *Piano Discoveries On-Staff Starter* and *Piano Town Primer Lesson* and *Technic Book*.

(5) Practice Journal/Plan/Step/Direction

The following figure summarizes the occurrences of reinforced techniques using practice journal/plan/step/direction as the type of presentation.

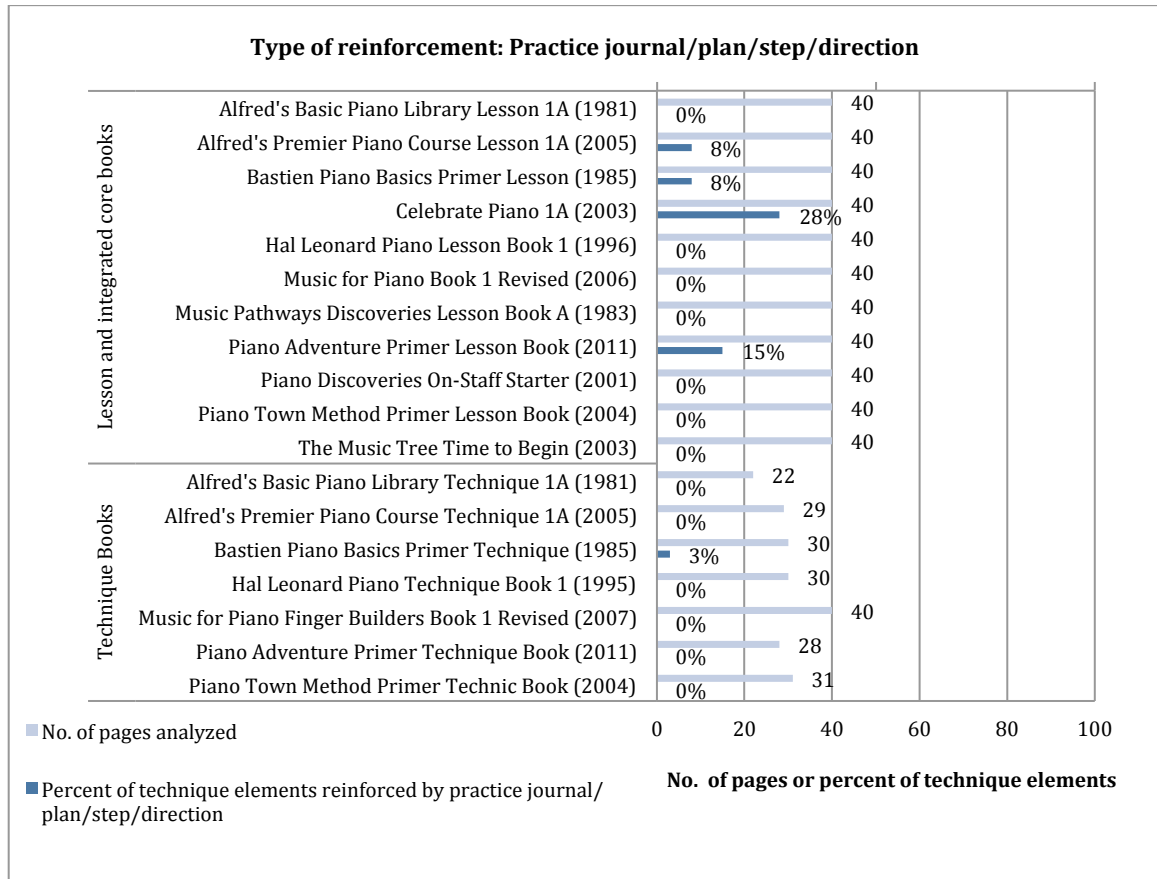


Figure 20. The Total Number of Pages Analyzed and Percent of Technique Elements in Total Pages Reinforced by Practice Journal/Plan/Step/Direction

Figure 20 shows a total 5 method books use Practice journal/plan/step/direction as presentation type to reinforce the technique elements. They ranged from 3% of the total number of pages to 28% of the total number of pages. Thirteen method books do not use practice journal/plan/step/direction as presentation type.

(6) Use of Questions

The following figure summarizes the occurrences of reinforced techniques using use of questions as the type of presentation.

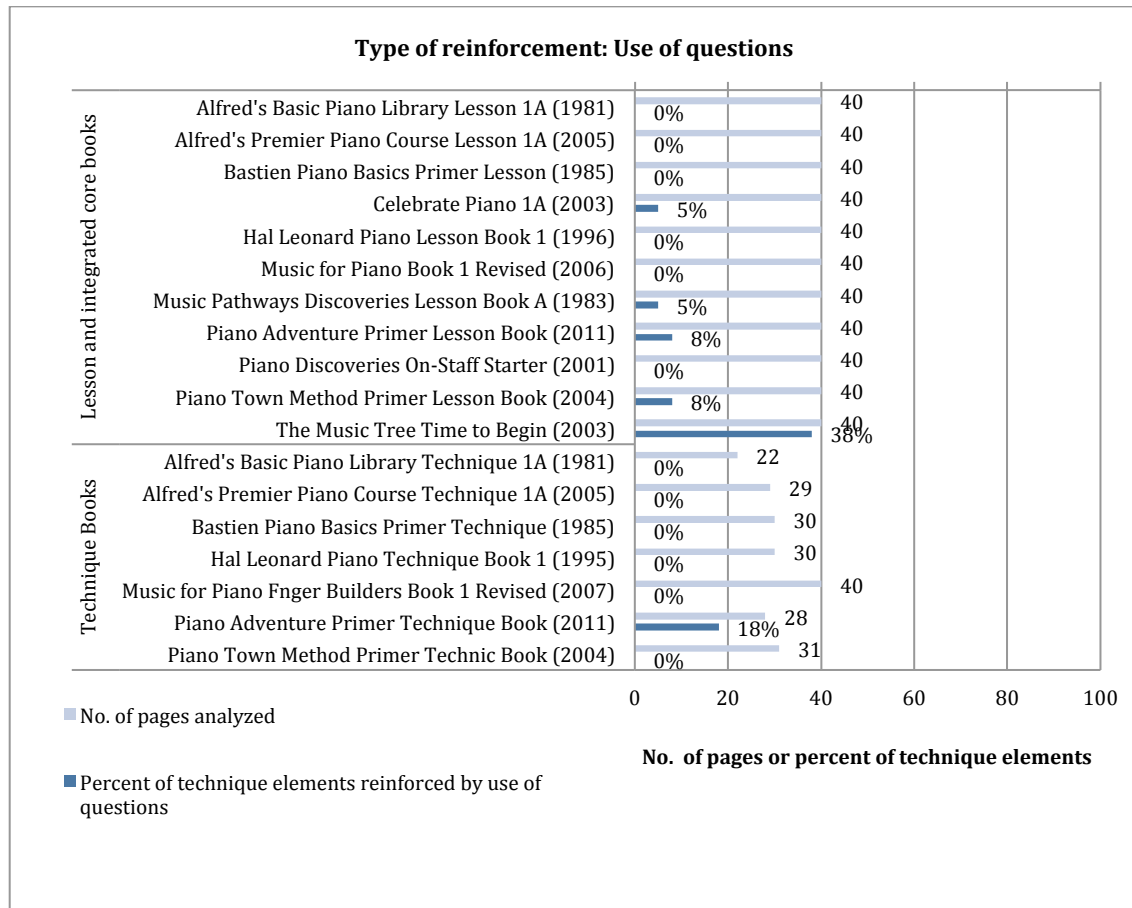


Figure 21. The Total Number of Pages Analyzed and Percent of Technique Elements in Total Pages Reinforced by Use of Questions

Figures 21 shows a total 6 method books use questions as presentation type to reinforce the technique elements. They ranged from 5% of the total number of pages to 38% of the total number of pages. 12 method books do not use question as presentation type to reinforce the technique elements.

Chapter 4

Discussion

Technical training is important not only to enhance the musical interpretation with a wide range of musical expression and beautiful tone, but also to develop a healthy physical ability to play notes accurately. (Pascal, 1896; McRoberts, 2009). We had defined the development of technique in piano playing involved the mind, the ears and the whole body. The purpose of this research was to identify technique elements found in piano method books for beginner students and to study the progression by which of these elements were taught; to calculate the rate at which these elements were introduced and to review how they were taught and reinforced. As the same time, we investigated whether the method books put emphasis on the use of mind, the ears and all parts of body in technical training. This result provides information for piano teachers to find the method books included the technical training suitable for their students. Eleven method series with total eighteenth books were selected in this study; within these series, eleven books are lesson and integrated core books and seven books are technique books.

There were two steps in data collection. The first step was the process involved a page by page analysis of individual method book; it identified the technique elements, the type of presentation of new technique elements and the elements reinforced. The second step involved a framework was created with reference to the common elements of technique for piano beginners mentioned by most pedagogues. These two steps of data collection procedures became the tools to investigate the following six questions.

4.1 What are the Technical Elements Introduced in Piano Method Books?

The development of technique in piano playing involves the elements of the mind, the ears and the whole body to make good sound in playing piano. Therefore, the technique elements such as listening skill, tone quality, mind involvement and the body conditions are part of essential skills in technical training. Interestingly, it is only nearly half of the 11 method book series analyzed included the technique of listening skill and relaxation; couple books included tone quality and more than half introduced the mind involvement. (See appendix K: Occurrences of Technique Elements with Average Number of Pages of Technique Elements, a summary table derived from appendix F) The results revealed the insufficient training of listening skill, awareness of relaxation and tone quality. The result of mind involvement implies the authors address the value mind involvement. In fact, mindful playing is always an effective approach in learning how to play piano.

The postures involved in piano playing are commonly viewed as fundamental skill for beginner players that beginner players should learn how to sit and how to use the hands and fingers properly. It is interesting to find out that not many method books covered detail information about the sitting posture such as distance, height, sitting areas, feet on floor/stool and shoulder free; hand position such as level of wrist, forearm and elbow and the use of fingers such as the use of finger pad, the use of thumb and fifth finger. More books only focused on the training of sit tall/straight in sitting posture and curved fingers tips in the use of fingers. In fact, a correct sitting posture and the proper level of hand, wrist, forearm and elbow, and the part of finger to be used are very important for all piano players. If beginner players do not understand the importance of correct posture and wrongly used their fingers, their

musical expression would be diminished and the injuries in performance could be caused too.

It is interesting to find out only a very small number of method books introduce the technique of basic movements such as arm weight, arm drop, forearm rotary, forearm freedom strong finger tip for support the upper/forearm, wrist drop, wrist roll, fingers close to keys and finger independence, but more number of books (13 books) focused on the technique of fingering. It is no doubt that to play with correct fingering helps the player to make the music in a more flowing way; a good control of movement and the understanding of movement are also essential in creating beautiful sound and musical expression.

It is understandable that the training of articulation would be introduced after the beginner students had acquired a fundamental skill in playing. Therefore, it is not surprising to find out that less than half of 11 method books series introduced the concept of slur, 2 or more notes slur, general concept of staccato, wrist staccato and legato.

The category of dynamics and tenuto is another point of interest that the analysis showed almost all the method series introduced the general control of dynamics; a few number of books introduced the crescendo and decrescendo. It reflects most authors considered the training of dynamic control for beginners is important for developing the skill of interpretation of music. However, there are only 2 method books mentioned the weight concept in dynamic control. For the training of phrasing, 5 fingers pattern of scale playing, there are less than half of the method book series introduced those concepts.

The analysis showed all method series introduced the technique of hands play alternatively, right hand only and left hand only; the result is expected as the beginner

students could not manage hands together in the early stage of learning. Hands move freely, hands together, and hands balance were also introduced and only 1 method book introduced the technique of parallel motion and contrary motion. The technique elements not listed in the framework but included in most of the methods were 2 notes and 3 notes play together. Other elements not listed in the framework but included in method books have a very low occurrence rate.

The technique elements in method books enhance the musical development with an average one third of the technique contents (35%) compare to the biomechanical development with a high percentage with an average 96% (See appendix L: the Average Rate of Musical and Biomechanical Development derived from appendix F). The analysis of what technique elements and number of technique elements introduced in method book series helps teachers to discover if they follow through the method book step by step strictly in their teaching, it may not achieve a well-balance technical training as the books have a wide discrepancy in musical and biomechanical development. It is essential to address the technical training not only focus on the technical proficiency, but also address the importance of musical expression. Additional reinforcement such as using the supplementary books and teacher's instruction, guidance and inspiration in teaching the musical interpretation through the understanding of how to use the body, the ear and the mind in playing are necessary.

4.2 What are Elements are Missing?

The research showed the following 10 elements listed in the framework were not introduced in all eleven methods series: wrist release in the category of wrist movement, lift up height in the category of finger activity, lateral movement, the

finger staccato and forearm staccato in the category of staccato, rotary movement in the category of legato, the speed principle of loud and soft control and tenuto in the category of dynamics and tenuto, thumb crossing and cluster/smash in the category of scale.

It is understandable the thumb crossing and cluster/smash in the category of scale were not introduced in the first beginner method book as the beginner player learned these techniques after they had acquired the skills in five finger pattern of scale playing. It is interesting to find out the speed principle of how to make the loud and soft sound, the methods of staccato and legato, and some basic movements technique were not included in all 11 method book series. While the dynamic control were emphasized by all authors, it is surprising to find out only 2 books mentioned how to play soft and loud sound and none of method books address the speed principle in dynamic control. On the other hand, when the students did not understand how to play staccato and legato, how the sound related to the basic movements and how to move a specific part of body properly, it not only diminishes the effect of sound expression, it also may yield to muscular pain or injury in performance.

4.3 Which are the Piano Method Books Containing the Most and Least Technique Elements?

In this research, the method books contained the most elements listed in the framework were *Alfred's Premier Piano Course Lesson 1A* (2005) (26 elements), *Piano Adventure Primer Lesson Book* (2011) (26 elements) and *Alfred's Premier Piano Course Technique 1A* (2005) (27 elements). The method books contained the least elements listed in the framework were *Hal Leonard Piano Lesson Book 1*

(1996), *The Music Tree time to Begin* (2003) and *Piano Town Method Primer Technique* (2004), they all contained 11 technique elements listed in framework.

The method books *Hal Leonard Piano Technique Book 1* (1996) contained most elements (7 elements) not listed in the framework. Three books *Piano Discoveries On-Staff Starter* (2001), *Bastien Piano Basics Primer Lesson and Technique* (1985) didn't contain any element outside the framework. This is a good reference for teachers to know how many technique elements are introduced in book, if they want to select the book with more technique elements in the early lessons, the series of Alfred's Premier Piano Course Lesson and Technique 1A (2005) and *Piano Adventure Primer Lesson and Technique Book* (2011) are the choices for their consideration.

4.4 What is the Pace at which New Elements are being Introduced?

In the analysis, the technique books had a faster pace of introducing the new technique elements than lesson books. An average every 3.1 pages a new technique was introduced in technique book and every 3.9 pages a new technique was introduced in lesson book. It is understandable that the lesson book and integrated core book had a slower pace since the teaching materials involved not only the training of technique, but also the musical knowledge such as music reading, music theory, music improvisation and aural skill, etc. In this research, *Alfred's Premier Piano Course Lesson and Technique 1A* (2005) was considered as the method series with the fastest pace that every 3.1 pages in lesson book and every 2.4 pages in technique book a new technique element introduced while the method with the slowest pace was every 5.7 pages for a new element introduced. This information is very useful for teachers to consider the necessary of supplementary materials to

enhance the technique was secure and reliable when they use the method book with fast pace in introducing the technique concepts.

4.5 How are the Technical Elements Introduced?

The technique elements were mainly introduced by four types of presentation: explanation in words, analogy, cartoon drawing and “other” while none of the method series used photo in introducing the elements. It is interesting to find out that not all the technique concepts were introduced by the explanation in words with an average 56.7% of elements in lesson and integrated core book and 59.8% of elements in technique books. (See Appendix M, it provides the average percent of types of presentation of new technique elements). It is important to find out the extreme difference that there is a method book with 0% of element was introduced with this method while another book had 100% of elements of inclusion.

Another type of presentation identified as “other” had a notable result that average 59% of elements in all lesson and integrated core books and an average 39% of elements in all technique books were introduced by this type of presentation. There were 4 subcategories within the “other” type of presentation: activity without explanation, signs or notes on music without explanation, use pictures as guide and direct instruction without explanation. The results revealed the technique concepts in method books might not be explained detail enough, teacher’s instruction and guidance to provide supplementary information about the technique concepts are important.

In the learning process, the use of analogy is a very effective tool in teaching as it stimulates student’s imagination and involvement in the conceptual understanding. In this research, there is only half of the 18 method books used

analogy in presenting the elements; 6 lesson and core method books with low percentage (12.3%) of elements and 3 technique books with fairly high average percentage (45.6%) of elements used analogy. It is important to find out that *Hal Leonard Piano Technique Book 1* not only got 100% of elements were introduced with explanation in words, but also 100% of elements were introduced with analogy.

Cartoon drawings are always attracted to young students, it arouses their attention and curiosity in learning, and this type of presentation is viewed as effective tool in teaching. Apparently all authors of eleven method series aware the use of cartoon drawing is an effective tool that there were average 37.5% of elements in all lesson/integrated core books had cartoon drawing and average 27.3% of elements in almost all technique books had cartoon drawing except *Music for Piano Finger Builders Book 1 Revised* (2006).

4.6 How Often are Technical Elements Reinforced?

In this research the technique elements with highest reinforced rate were the hands play alternatively (in 18 books) and the general control of dynamics (in 17 books) and loud/soft (weight) control of dynamics (in 2 books) that more than average 20 pages or approximately 50% of the total pages analyzed reinforced these elements. The other elements included parallel motion of hand coordination (in 2 books) and 5 fingers pattern of scale playing (in 9 books) had an average 10 pages or 25% of total number of pages analyzed reinforced these elements. These elements with a higher reinforcement rate also implied the enhancement of technique is building more biomechanical development rather than the musical development.

It is interesting to find out the element of mind involvement (in 11 books)

and listening skills (in 9 books) have the average 8.6 and 9.4 pages or approximately 20% of the total number of pages analyzed reinforcing these two elements. The reinforcement rate was not significant enough in these two crucial elements in technical training.

Another point of interest was the elements only occurred 1 to 2 pages included the technique of sitting posture, hand position, use of fingers and relaxation while they are the important techniques for developing a comfortable and easy physical approach in instrument playing. The results showed more than half of the method books authors addressed the importance of sitting posture and hand position and less than half of the authors addressed the importance of the training of use of fingers and relaxation. Those kinds of technique were introduced once and most of them had less than an average 1 page of recurrence for enhancing the techniques except the technique of curved fingertips which occurred on average 3.1 pages. The low reoccurrence rate reflected whether students could acquire these skills securely; otherwise, the training of these skills would rely on teacher's instruction in the lesson than student's independence in learning. (See appendix N, it provides average occurrence of technique elements derived from the data in appendix K)

Playing piano involves the whole body in making sound, thus how to control the movement in all parts of body is essential to create the sound desired in musical expression. In the analysis, low reinforcement rate in controlling the body includes the wrist, upper/forearm were found. The low reinforcement rate of these elements might not let students to acquire the skill securely, teacher's guidance and instruction in lesson are important to enhance the development of these techniques. On the other hand, the types of reinforcement in this analysis is ranged from 2 to 8 types that lesson books had a more number of types of reinforcement (average 5.2 types) than

the technique books (average 4.6 types). Both *Alfred's Premier Piano Course Lesson and Technique 1A* (2005) and *Piano Adventure Primer Lesson and Technique Book* (2011) contain the most types of reinforcement in this research. The more types of reinforcement would stimulate student's thinking and motivate students to have a better involvement in the learning process.

Conclusion: Limitations and Suggestions

-Limitations

The limitations in this study are the technique elements and the categories created in the framework, and the elements develop musical or biomechanical aspect. There was considerable thoughts and research for the development of the framework and thoughts on the categorization of musical and biomechanical development as well; readers may have different opinion about the technique elements to be included, the grouping of elements in various categories and the musical and/or biomechanical categories developed.

-Suggestions

Higher levels of the method series to be included in the future projects in order to find out whether the number of technique elements are increasing in higher levels, the rate of reinforcement on what kind of technique elements are increasing or decreasing at particular level, and whether the musical or biomechanical development becomes more emphasized while the series progressed.

The result of this analysis provides valuable information for piano teachers to understand the technique contents extensively in the beginner piano method books. It helps piano teachers to make choice in selecting the most beneficial method book in

their teaching studio; to discover the importance of incorporating a balance program in technique teaching for the development of musical abilities and biomechanical abilities as well and to consider the necessary of supplementary materials for technical training. Besides, it inspires piano teachers to realize their roles are so important in building technical skills for students' piano study journey.

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Appendix A: List of Piano Method Books Reviewed in Theses and Dissertations

Method Books Title	Author of Theses and Dissertations						
	Ruppel (1951)	Albergo (1988)	Chung (1992)	Ballard (2007)	Muck (2009)	Sundell (2012)	Lu (2012)
The Oxford Piano Course Sing and Playing (1928)	*						
Bauer-Diller-Qualie Course (1931)	*						
John Thompson's Modern Course for the Piano (1936)	*						*
Beginning at the Piano (1937)	*						
Very First Piano Book (1937)	*						
Music Play for Little Folks (1941)	*						
The Young Explorer at the Piano (1941)	*						
John W. Schaum Piano Course (1945)	*						*
Young America at the Piano (1945)	*						
Let's Find Out (1946)	*						
Let's Play (1947)	*						
John Thompson's Supplementary Piano Course with Melodly All The Way (1949)	*						
The Leilar Flectcher Piano Course (1950)	*					*	
Eckstein Piano Course (1951)	*						
Ada Richter Piano Course (1954)	*						
The Robert Pace Piano Series (1954)	*						
David Carr Glover Piano Library (1967)		*				*	*
Beyer for Young Children (1970)			*				
Mainstream in Music (1973)		*				*	*
The Music Tree (1973)		*					
Bastien Piano Library (1976)		*					*
Keyboard Arts: Basic Music Study Program (1980)		*					
Alfred Basic Piano Library (1981)		*				*	*
Music Pathways (1983)		*				*	*
Bastien Piano Basics (1985)					*	*	*
New Se-Kwang Beyer (1987)			*				
Beyer for Children (1991)			*				
All-in-One-Course (1994)				*			
Robert Pace Materials by Robert Pace (1994)		*				*	*
Hal Leonard Piano Library (1996)				*	*	*	*
Piano Adventures (1996)				*	*	*	*
Noona Comprehensive Piano Lessons (1997)				*			
Accelerated Piano Adventures (1998)					*		
Beanstalk's Basic Piano Course (1998)				*			
Music for Little Mozart (1999)					*		
The Music Tree (2000)				*	*	*	*
Piano Discoveries (2001)				*	*	*	*
Celebrate Piano! (2003)				*	*	*	*
Piano Town (2004)				*	*		*
Alfred's Premier Piano Course (2005)				*	*		*
Melody Adventure (2006)							*
My First Piano Adventure for the Young Beginner (2006)					*		
American Popular Piano (2007)					*		*
Beginning Piano (2009)					*		
Piano for Busy Teens (2009)					*		
Total number of method series	16	8	3	10	14	12	18

Appendix B: List of Piano Method Books Reviewed in Magazine Articles and Piano Pedagogues Texts

Piano Method Books Reviewed in Magazine Articles and Piano Pedagogues Texts							
Method books	Piano Quarterly 1982-85	Clavier Companion 2010	Well-Tempered Keyboard Teacher (Uszler, Gordon & Smith, 2000)	Practical Piano Pedagogy (Baker-Jordan, 2004)	How to teach piano successfully (Bastien, 1995)	How to teach piano successfully (Bastien, 1977)	Time of evaluation
Oxford Piano Course (1928)	*				* (mention only)		1
John Thompson Modern Piano Course (1936)	*				*	*	4
John Schaum Piano Course (1945)				*	* (mention only)	*	2
Michael Aaron Piano Course (1945)						*	1
Leila Fletcher Piano Course (1950)					*(mention only)	*	1
Piano Course (1953)						*	1
Ada Richter Piano Course (1954)						*	1
Easiest Piano Course (John Thompson, 1955)	* (mention only)					* (mention only)	
Step by Step (1959)						*	1
The Pointer System ((1959)						*	1
Alfred D'Auberge Pino Course (1960)						*	1
Mark Nevin Piano Course (1960)						*	1
Music for Piano (1961)	* 1979		*1994	*	*1979	*	5
Making Music at the Piano						*	1
Learning to Play (1962)						*	1
Piano Course (1963)						*	1
Keyboard Explore (1963)						*	1
Belwin Piano Method (1964)						*	1
David Carr Glover Piano Library (1967)	*				*	*	3
Piano All the Way (1969)						*	1
Music Through the Piano Library (1970)						*	1
John Brimhall Piano Method (1970)					*	*	2
Discovering the Piano-The Multiple Key Approach (1970)						*	1
Adult Piano Student (1970)			*		*		2
Suzuki Piano Method (1972)	*		*		*		3
Creating Music at the Piano (1971)						*	1
Music for Moppets (1971)			*				1
Mainstream Piano Method (1973)	*				*	*	3
The Music Tree (1973)	*2003	*	*	*	*	*	6
Music Pathways (1974)	*1983		*1983		*	*1974	4
Creative Keyboard (1975)						*	1
The Bastien Piano Library (1976)	*				*	*	3
Kinder Keyboard (1977)		*					1
The Older Beginner Piano Course (1977)		*	*		*		3
Artistry at the Piano (1979)			*				
The Keyboard Art method (1980)	*						1
Keyboard Musicians (1980)					*		1
Keyboard Strategies: Master Test 1. (1980)			*				1
The Young Pianoist Series (1981)					*		1
Alfred's Basic Piano Library (1981)	*	*	*	*	*	*	5
Piano: 2nd Time Around (Bastien, 1981)					*		1
Sing and Play (1981)			*1987				1
Yamaha Music Education System (1981)	*		* 1996				2
Bastien Intermediate Piano Course (1982)					*		1
Alfred's Basic Adult Piano Course (1983)			*		*		2
Music Readiness Series (1984)			*				1
Bastien Pains Basics (1985)		*	*	*	*		4
Piano for Pleasure (1986)			*		*		2
Keyboard Fundamentals (1986)							
Alfred's Prep Course (1988)							
David Carr Glover Method for Piano (1988)		*	*				2
Piano Time (1989)		*					1
The Well-Prepared Pianist (1991)			*				1
New Horizons: Piano Course for Busy Adults (1992)			*				1
Bastien's Invitation to Music (1993)			*				1
The Adult Piano Method - Play by Choice (1993)			*				1
Piano Adventures (1993)		*	*	*			3
Group Piano for Adults Book (1995)			*				1
Hal Leonard Piano Lessons (1996)		*	*	*			3
Keyboard Fundamentals (1996)			*				1
Noona Comprehensive Piano Library (1997)			*				1
Piano Plan And Simple (1997)			*				1
Piano for the Developing Musician (1998)			*				1
Beanstalk Basics for Piano (1998)				*			1
Piano 101 (1999)			*				1
Music for little Mozarts (1999)			*				1
Piano Discoveries (2001)		*		*			2
Celebrate Piano (2003)		*					1
Music Moves for Piano (2004)		*					1
Piano Town Method (2004)		*					1
Alfred's Premier Piano Course (2005)		*					1
American Popular Piano (2006)		*					1
Total number of method series	13	15	30	10	19	27	

Appendix C: Method Books Reviewed in Theses, Dissertation, Magazine Articles and Piano Pedagogues Text

Method Books Title	Method Books Reviewed in Theses & Dissertations								Method Books Reviewed in Magazine Articles & Piano Pedagogues Texts						Total no. of time of evaluation		
	Albergo (1988)	Chung (1992)	Ballard (2007)	Ballard (2007)	Muck (2009)	Sundell (2012)	Lu (2012)	Time of evaluation	Piano Quarterly 1982-85	Clavier Companion 2010	Well-Tempered Keyboard Teacher (Uszler, Gordo)	Practical Piano Pedagogy (Baker-Jordan, 2004)	How to teach piano successfully (Bastien, 1995)	How to teach piano successfully (Bastien, 1977)		Time of evaluation	
Oxford Piano Course (1928)									*				* (mention only)		1	1	
John Thompson Modern Piano Course (1936)							*	1	*			*	*	*	4	5	
John Schaum Piano Course (1945)							*	1				*	* (mention only)	*	2	3	
Michael Aaron Piano Course (1945)														*	1	1	
Leila Fletcher Piano Course (1950)							*	1					* (mention only)	*	1	2	
Piano Course (1953)														*	1	1	
Ada Richter Piano Course (1954)														*	1	1	
Easiest Piano Course (John Thompson, 1955)									* (mention only)					* (mention only)			
Step by Step (1959)														*	1	1	
The Pointer System ((1959)														*	1	1	
Alfred D'Auberge Pino Course (1960)														*	1	1	
Mark Nevin Piano Course (1960)														*	1	1	
Music for Piano (1961)	*						*1994	*1994	3	* 1979		*1994	*	*1979	*	5	8
Making Music at the Piano														*	1	1	
Learning to Play (1962)														*	1	1	
Piano Course (1963)														*	1	1	
Keyboard Explore (1963)														*	1	1	
Belwin Piano Method (1964)														*	1	1	
David Carr Glover Piano Library (1967)	*						*		2	*			*	*	3	5	
Piano All the Way (1969)														*	1	1	
Beyer for Young Children (1970)		*							1							1	
Music Through the Piano Library (1970)														*	1	1	
John Brimhall Piano Method (1970)													*	*	2	2	
Discovering the Piano- The Multiple Key Approach (1970)														*	1	1	
Adult Piano Student (1970)											*		*		2	2	
Suzuki Piano Method (1972)										*	*		*		3	3	
Creating Music at the Piano (1971)														*	1	1	
Music for Moppets (1971)											*				1	1	
Mainstream Piano Method (1973)	*						*	*	3	*			*	*	3	6	
The Music Tree (1973)				*2000	*2000	*	*2000	4	*2003	*	*	*	*	*	6	10	
Music Pathways (1974)	*1983						*1983	*1983	3	*1983		*1983	*	*1974	4	7	
Creative Keyboard (1975)														*	1	1	
The Bastien Piano Library (1976)	*						*		2	*			*	*	3	5	
Kinder Keyboard (1977)										*					1	1	
The Older Beginner Piano Course (1977)										*	*		*		3	3	
Artistry at the Piano (1979)											*				1	1	
The Keyboard Art method (1980)	*								1	*					1	2	
Keyboard Musicians (1980)													*		1	1	

Method Books Title	Method Books Reviewed in Theses & Dissertations								Method Books Reviewed in Magazine Articles & Piano Pedagogues Texts						Total no. of time of evaluation	
	Albergo (1988)	Chung (1992)	Ballard (2007)	Ballard (2007)	Muck (2009)	Sundell (2012)	Lu (2012)	Time of evaluation	Piano Quarterly 1982-85	Clavier Companion 2010	Well-Tempered Keyboard Teacher (Uszler, Gordo 2004)	Practical Piano Pedagogy (Baker-Jordan, 2004)	How to teach piano successfully (Bastien, 1995)	How to teach piano successfully (Bastien, 1977)		Time of evaluation
Keyboard Strategies: Master Test 1. (1980)											*				1	1
The Young Pianoist Series (1981)													*		1	1
Alfred's Basic Piano Library (1981)	*					*	*	3	*	*	*	*	*		5	8
Piano: 2nd Time Around (Bastien, 1981)													*		1	1
Sing and Play (1981)											*1987				1	2
Yamaha Music Education System (1981)									*		* 1996				2	2
Bastien Intermediate Piano Course (1982)													*		1	1
Alfred's Basic Adult Piano Course (1983)											*		*		2	2
Music Readiness Series (1984)											*				1	1
Bastien Piano Basics (1985)					*	*	*	3		*	*	*	*		4	7
Piano for Pleasure (1986)											*		*		2	2
Keyboard Fundamentals (1986)																
New Se-Kwang Beyer (1987)		*						1								1
Alfred's Prep Course (1988)																
David Carr Glover Method for Piano (1988)						*		1		*	*				2	3
Piano Time (1989)										*					1	1
Beyer for Children (1991)		*						1								1
The Well-Prepared Pianist (1991)											*				1	1
New Horizons: Piano Course for Busy Adults (1992)											*				1	1
Bastien's Invitation to Music (1993)											*				1	1
The Adult Piano Method - Play by Choice (1993)											*				1	1
Piano Adventures (1993)				*1996	*1996	*1996	*1996	4		*	*	*			3	7
All-in-one-course (1994)				*				1								
Group Piano for Adults Book (1995)											*				1	1
Hal Leonard Piano Lessons (1996)				*	*	*	*	4		*	*	*			3	7
Keyboard Fundamentals (1996)											*				1	1
Noona Comprehensive Piano Library (1997)				*				1			*				1	2
Piano Plan And Simple (1997)											*				1	1
Accelerated Piano Adventures (1998)					*			1								1
Piano for the Developing Musician (1998)											*				1	1
Beanstalk Basics for Piano (1998)				*				1				*			1	2
Piano 101 (1999)											*				1	1
Music for little Mozarts (1999)					*			1			*				1	2
Piano Discoveries (2001)				*	*	*	*	4		*		*			2	6
Celebrate Piano (2003)				*	*	*	*	4		*					1	5
Music Moves for Piano (2004)										*					1	1
Piano Town Method (2004)				*	*		*	3		*					1	4
Alfred's Premier Piano Course (2005)				*	*		*	3		*					1	4

Method Books Title	Method Books Reviewed in Theses & Dissertations								Method Books Reviewed in Magazine Articles & Piano Pedagogues Texts							Total no. of time of evaluation
	Albergo (1988)	Chung (1992)	Ballard (2007)	Ballard (2007)	Muck (2009)	Sundell (2012)	Lu (2012)	Time of evaluation	Piano Quarterly 1982-85	Clavier Companion 2010	Well-Tempered Keyboard Teacher (Uszler, Gordo)	Practical Piano Pedagogy (Baker-Jordan, 2004)	How to teach piano successfully (Bastien, 1995)	How to teach piano successfully (Bastien, 1977)	Time of evaluation	
American Popular Piano (2006)					*		*	2		*					1	3
Melody Adventure (2006)							*	1								1
My First Piano Adventure for the Young Beginner (2006)					*			2								2
Beginning Piano (2009)					*			1								1
Piano for Busy Teens (2009)					*			1								1
Number of Method Books Evaluated	8	3		10	14	12	18		13	15	30	10	22	27		

Appendix D: Introduction of New Technique Elements and Reinforcement of Technique Elements

Alfred's Basic Piano Library Lesson 1A (1981)											
Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		*Explanation in words	Analogy	*Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
3	Sit tall	*		*				*			
	Arms hang loosely from shoulder	*									
	Feet on floor or stool	*		*				*			
	Height of bench	*		*				*			Knees slightly under keyboard
	Bench face piano squarely	*		*				*			Face piano squarely
4	Fingering	*		*				*			
5	Dynamics: Soft tone	*		*				*	*		Use weight principle: little weight makes soft tone, more weight makes louder tone
	Dynamics: loud tone	*		*				*	*		
	Tone production	*		*				*	*		A hammer inside the piano strikes a string to make a tone
	Curve fingers	*	*	*				*	*		Pretend holding a bubble in hand gently without breaking it
	Listening skill	*						*	*		Remind student always listen carefully to the music student is making
	Mind involvement	*						*	*		Remind student to decide how soft or loud want to sound before playing
6	Move freely					*		*			Instruct student to play all the 2 black keys
	RH only	*						*			Instruct student to use LH 2 and 3 finger to play the 2 black keys
	LH only	*						*			Instruct student to use RH 2 and 3 finger to play the 2 black keys
7	Nil					*	Move freely				Play all the 3 black keys
						*	RH only				Instruct to use RH 234 finger play 3 black keys
						*	LH only				Instruct to use LH 234 finger play 3 black keys
8	Fingering					*		*	Right & Left		Student is required to play and say the finger numbers
	Hands play alternatively					*		*			RH/LH signs on music
9						*	Fingering		Left & Right		Play and say the finger number
						*	Hands play alternatively				RH/LH signs on music
10	Nil					*	LH only			Merrily We Roll Along	As written on music
11	Nil					*	RH only			O'er the Deep Blue Sea	As written on music
12	Nil	*					Dynamics: soft (p) & loud (f)			Hand-Bells (for LH)	Explain the sign P is soft and f is loud. Exlanation on how to make soft/loud sound only appears on page 5: use the weight principle but ont on
						*	LH only				As written on music
13	Nil					*	Dynamics (fp)			Hand-Bells (for RH)	As written on music
						*	RH only				
14-15	Nil					*	Dynamics (f, p)			Jolly Old Saint Nicholas	As written on music
						*	Hands play alternatively				
16	Nil					*	Dynamics (f)			Old MacDonald	As written on music
						*	Hands play alternatively				
17	Nil					*	Move freely				Play a key of 3 black keys
						*	Hands play alternatively				RH/LH signs on music
18	Nil					*	Move freely				Introducing "A" key, play all the A key
19	Nil					*	Move freely				Introducing "A to G" keys, play all keys
20	Nil					*	Hands play alternatively			Come and Play!	As written on music
						*	Dynamics (f)				
21	Nil					*	Hands play alternatively			My Clever Pup	As written on music
						*	Dynamics (f)				
22	Dynamics (mf)	*						*	*	The Zoo	Explain the meaning of mf
						*	Hands play alternatively				As written on music
23	Five fingers position (C position)			*		*		*		Playing in a New Position	Picture as a guide to locate the note
						*	Hands play alternatively				As written on music
24	Nil			*		*	Five fingers position (C position)			Sailing	Picture (drawing) show the C position keys
						*	Hands play alternatively				As written on music
						*	Dynamics (mf)				As written on music
25	Nil					*	Five fingers position (C position)			Skating	Remind student C position same as the previous page (p. 24)
						*	Hands play alternatively				As written on music
						*	Dynamics (mf)				
26	Nil			*		*	Five fingers position (C position)			Wishing Well	Picture (drawing) show the C position keys
						*	Dynamics (p)				As written on music
27	Nil					*	Hands play alternatively				
	Nil						Nil				Introducing the stave
28	Nil					*	LH only			The Bass Clef Sign	Introducing the bass clef and the f note. LH sign on music
				*		*	Five fingers position (C position)				Picture (drawing) show the C position keys
						*	Dynamics (mf)				As written on music

Alfred's Basic Piano Library Lesson 1A (1981)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments	
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development			
29	Nil					*	LH only			Rain, Rain!	As written on music	
30	Nil					*	Dynamics (mf)			The Treble Clef Sign	Introducing the treble clef and the g note	
							RH only					
31	Nil					*	Five fingers position (C position)			A Happy Song	As written on music	
							Dynamics (mf)					
							RH only					
32	Nil					*	Dynamics (f)				Introducing the Grand Stave	
33	Nil					*	Five fingers position (C position)			"Position C"	Picture (drawing) show the C position keys	
							Dynamics (mf)					
							Hands play alternatively					
34	Nil					*	Five fingers position (C position)				Picture (drawing) show the C position keys	
							Dynamics (f)					
							Hands play alternatively					
35	Phrasing	*							*		Phrase is a musical thought or sentence	
	Legato	*	*						*	*	Using analogy of see-saw for legato playing that one finger must come up just as another goes down	
									*		Listening skill	
	Slur (general)	*							*	*	Slur means to play legato and it divides music into phrases. It does not instruct student to lift loosely from the wrist on the last note of each slur (as mentioned in technique book)	
									*		Dynamics (mf)	
36	2 or more notes slur					*	Hands play alternatively			Just a Second!	2 notes slur on music	
							Dynamics (mf)					
37	Nil					*	Phrase			Balloons	As written on music	
							Dynamics (p)					
							Hands play alternatively					
38	Nil					*	2 or more notes slur			Play a Third	No instruction for how to play the last slur note.	
							Dynamics (mf)					
							Hands play alternatively					
39	Nil					*	Phrase			Mexican Hat Dance	As written on music	
							2 or more notes slur					
							Dynamics (f)					
40	2 notes together (one hand)					*	Hands play alternatively		*	More about intervals	Written on music	
							Listening skill					
							Dynamics (mf)					
41	Nil					*	Hands play alternatively			Rock Song	As written on music	
							2 notes together					
							Dynamics (mf)					
42	Hands coordination (balance)					*		*	*	Rockets	Instruct student to play the harmonic intervals softer than the melody	
							Move freely					Play the 2nd line an octave higher
							Mind involvement					Remind student the melody must always be heard
							Listening skill					Remind student melody must always be clearly heard
							Dynamics (f,p)					As written on music
							Hands play alternatively					
43	Nil	*					Hands coordination (Balance)			Sea Divers	Instruct student play the harmonic interval softer than the melody	
							Listening skill					Melody always be heard clearly
							Hands play alternatively					As written on music
							Hands play together					
							Dynamics (mf, p)					
							Move freely					Play the 2nd line one octave lower
44	Nil					*	2 notes together (RH)			Play a Fourth	As written on music	
							Hands play alternatively					
							Dynamics (mf, f)					
45	Nil					*	Hands play alternatively			Fourths are Fun!	As written on music	
							Dynamics (f)					
							Phrase					

Alfred's Basic Piano Library Lesson 1A (1981)

	Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
			Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
46	Nil						* Hands play alternatively * Phrase * 2 notes together * Dynamics (f,p)			Old Uncle Bill	As written on music	
47	Nil						* 2 or more notes slur * Phrase * Hands play alternatively * Hands play together * Dynamics (f,p) * 2 notes together (LH)			Love Somebody	As written on music As written on music	
48	Nil						* Hands play alternatively * Dynamics (f,p)			My Fifth	As written on music	
49	Nil						* Phrase * 2 or more notes slur * Hands play alternatively * Hands play together			The Donkey	As written on music	
50	Five fingers position (G position)			*			* LH only * Phrase * Hands play alternatively * Dynamics (mf)		*	"Position G"	Instruct student before hands together, play LH alone Picture as a guide to locate the notes As written on music	
51	Nil						* Dynamics (f) * 2 notes together * Hands play together			Jingle Bells!	As written on music	
52-53	Nil						* Hands play alternatively * Hands play together * 2 or more notes slur * Five fingers position (G position)			Willie & Tillie	As written on music Picture (drawing) show the G position	
54	Nil						* Phrase * 2 or more notes together * Hands play together * Dynamics (mf) * LH only			A Friend Like You	As written on music	
55	Gradually getting softer						* * Phrase * Hands play alternatively * Dynamics (f)	*	*	My Robot	Instruct student before hands together, play LH only The 3rd time gradually dying away As written on music	
56	Nil						* Phrase * Hands play together * Dynamics (mf)			Rockin' Tune	As written on music	
57	Nil						* Phrase * Legato * Dynamics (f, p) * Hands play together			Indian Song	As written on music	
58	Staccato	*					* * Hands play alternatively * Dynamics (p)	*	*	Raindrops	To play staccato: release the key the instant you play it As written on music	
59	Crescendo	*					* * Diminuendo (gradually softer) * Staccato * 2 or more notes slur * Dynamics (p) * 2 notes together (RH)	*	*	Hide and Seek	As written on music	
60-61	Nil						* Phrase * Hands play together * Crescendo * Diminuendo * Dynamics (f, p) * 2 notes together (LH) * Five fingers position (C position)			Horse Sense	As written on music It mentions C position review	
Summary												
Total pages	59	15	8	2	5	0	8		9	12	Total pages containing given parameter	
Percent (pages)		25% of total pages	53%	13%	33%	0%	53%		60%	80%	Percent of total pages with new elements	
Total technique elements		29	20	2	11	0	9		12	19	Total no of new technique elements introduced	
Percent (elements)			69%	6%	38%	0%	31%		41%	66%	Percent of total new technique elements	

Alfred's Basic Piano Library Lesson 1A (1981)												
	Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
			Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
Summary for the first 40 pages												
Total pages	40	11	6	2	4	0	6		6	10		Total pages containing given parameter
Percent (pages)		28% of the first 40 pages	55%	18%	36%	0%	55%		55%	91%		Percent of total new technique elements

Alfred's Basic Piano Library Technique 1A (1981)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	* Cartoon Drawing	Photo	* Others		Musical development	* Biomechanical development		
2	Five finger position (C position)			*		*					A keyboard pictures show the five fingers position with the letter name underneath the keys (picture as a guide to locate the notes)
	Dynamics (mf)					*		*	*	1st Team Warm-Up/Initiation	mf sign on music without explanation
	RH only					*			*		
	LH only					*			*		RH and Lh sign on music
3	Dynamics (p)					*		*	*	My Turn!/Everybody Play!	p sign on music without explanation
	Dynamics (f)					*		*	*		f sign on music without explanation
						*	Dynamics (mf)				
						*	RH only				
4	Hands together					*			*	Double Plays/Triple Players	seperately then hands together
				*		*	Five finger position (C position)				Picture as a guide to locate the note
						*	Dynamics (mf, p)				As written on music
						*	RH only				
5	Nil					*	LH only				
						*	RH only				As written on music
						*	LH only				
						*	Hands together				
6	2 or more notes slur					*	Dynamics (f, p)		*	Lift	Instruct student to lift loosely from the wrist on the last note of each slur
	Wrist roll	*				*			*		
						*	RH only				As written on music
						*	LH only				
7	Nil					*	Hands play together				
						*	Dynamics (mf)			2nds	As written on music
						*	2 or more notes slur				
						*	RH only				
8	Nil					*	LH only			Tip-Toe/Rebounds	Show the position on keys
						*	Hands play together				As written on music
						*	LH only				
						*	Dynamics (mf)				
9	2 notes together					*			*	Rockin" Thirds/Drum, Drum, Drummer Man!	Notes on music without explanation
	Phrase					*		*			Lesson book introduces the slur divides the music into phrase and a phrase is a musical thought or sentence
						*	Five finger position (C position)				As writtin on music
						*	2 or more notes slur				
10	Nil					*	RH only				
						*	LH only			Teeter-Totter/Twirlers	As writtin on music
						*	Hands play together				
						*	Dynamics (mf, f)				
11	Hands play althernatively					*			*	Harmonic Waltz/Upside-Down Waltz	As printed on music
						*	2 notes or more notes slur				As written on music
						*	2 notes together				
						*	Dynamics (mf, p)				
12	Nil					*	Phrase			All-Star Warm-Up/All-Star Cool-Down	As written on music
						*	Dynamics (f,p)				
						*	Hands play alternatively				
13	Move freely					*			*	Hop-Scotch/Leap Frog	Instruct cross hand on music, LH over RH
						*	Phrase				As written on music
						*	Hands play alternatively				
						*	2 notes together (on RH and LH)				
14	Five finger position (G position)			*		*			*	1st Team in G Position/Getting Strongers!	A keyboard pictures show the five fingers position with the letter name underneath the keys (Picture as a guide to locate the notes)
	Legato					*	Legato	*	*		Instruct student to play legato, the word underneath the 1st note

Alfred's Basic Piano Library Technique 1A (1981)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Bio-mechanical development		
							* RH only				As written on music
							* LH only				
							* Hands play together				
							* Dynamics (mf)				
15	Nil						* Hands play alternatively			Carousel/Zig-Zags	As written on music
							* 2 notes together				
							* 2 or more notes slur				
							* Dynamics (f, p)				
16	Nil						* Phrase			Little Green Men/Snake Charmers	Melody on RH and LH alternatively on music
							* 2 notes together				As written on music
							* 2 or more notes slur				
							* Hands play together				
							* Dynamics (f, mf, p)				
							* Hands play alternatively				
17	Nil						* 2 notes together			Blue Jeans/Question and Answer	As written on music
							* Phrase				
							* Hands play alternatively				
							* Hands play together				
							* Dynamics (f, mf, p)				
18	Staccato							*	*	Corn Popper/Super-Popper!	No explanation on Staccato in technique book but only in lesson book. Staccato means separated or detached.
	Crescendo							*	*		The signs on music. No explanation in technique book but explained in lesson book.
	Decrescendo							*	*		The signs on music. No explanation in technique book but explained in lesson book.
							* Hands play alternatively				As written on music
							* Dynamics (f,p)				
19	Nil						* Dynamics (p)			Smooth Sailing/Trains	As written on music
							* Phrase				
							* Crescendo				
							* Decrescendo				
							* Hands play alternatively				
							* Move freely				
20	Nil						* Five finger position (C position)			Melodic Intervals in C position/Harmonic Intervals in C Position	Title provides the key information of G position
							* Phrase				As written on music
							* Crescendo				
							* Decrescendo				
							* Dynamics (f,p)				
							* Staccato				
							* Hands play alternatively				
							* Hands play together				
							* 2 notes together				
21	Nil						* Five finger position (G position)			Melodic Intervals in G position/Harmonic Intervals in G Position	Title provides the key information of G position
							* Phrase				As written on music
							* Crescendo				
							* Decrescendo				
							* Dynamics (f, p)				
							* Staccato				
							* Hands play alternatively				
							* Hands play together				
							* 2 notes together				
22	Repeated notes								*	Repeaters/Neighbors	Excercises away from the piano, but on table=top
	Finger independence								*		Fingers rest on the table all the times when they are not playing.
							* RH only				Written on music
							* LH only				
23	Nil						* 2 notes together			Skippers/Tricky Twins	Written on music
							* RH only				
							* LH only				
Summary											Remarks
Total pages	22	10	1	0	2	0	10		5	10	Total pages containing given parameter

Alfred's Basic Piano Library Technique 1A (1981)												
	Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
			Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
Percent (pages)		45% of total pages	10%	0%	20%	0	100%		50%	100%		Percent of total pages with new technique elements
Total technique elements		20	1	0	2	0	18		8	18		Total number of new technique elements introduced
Percent (elements)			5%	0%	10%	0	90%		40%	90%		Percent of total new technique elements

Alfred's Premier Piano Course Lesson 1A (2005)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
4	Feet on floor/stool	*		*					*		
	Hand level	*		*					*		
	Elbow level	*		*					*		
	Arm level	*		*					*		
	Sitting area: Front half of bench	*		*					*		
	Bench distance	*		*					*		Instruct student how to measure the suitable distance of the bench by extending arms straight and the hands loosely upped, the nuckles could touch the open keyboard cover
	Sit tall	*		*					*		
	Relaxed shoulders	*		*					*		
	Arms hang loosely	*		*					*		
	Bench height	*		*					*		Check the hand, arm and elbow level with keyboard
	Mind involvement					*		*	*	Checklists for studenteach time practice to make sure the sitting is correct	
5	Good hand position	*		*					*		
	Fingering	*		*					*		Picture shows the finger number. Workout 1: finger greetings-instructs student to tap fingers in both hands
	Hand relaxed	*		*					*		
	Curved hand	*	*	*					*		Hand is shaped like it is gently holding a bubble
	Use of thumb (side tip)	*		*					*		
	Use of fingers: finger pads	*		*					*		
						Arms hang loosely					In checklists remind student to hang the arms loosely as to find a relaxed hand position
											Checklists to stimulate student's thinking
6	Hands play alternatively			*		*			*	Stead Croches	Hand picture as a guide for different hand as shown in music
7	2 notes together					*			*	Our Journey	Play two fingers together as printed in music
	Dynamics (moderately loud)					*		*	*		Instruct student play moderate loud but no explanation of how to make it
						*	Fingering				Practice Journal: reminds student to correct fingers to tap the rhythm and then play
						*	Hands play alternatively				RH and LH sign on music
8	LH only					*			*	Treasure Map	LH sign on music
	Move freely	*							*		Written in words to guide student to move lower
						*	Dynamics (moderately loud)				Written in words at the beginning of music
9	Round hand position	*	*	*					*	Treasure Chest	Workout 2: piano hands-Clearly states to slide fingers toward palm until the hand is in rounded position, like holding a bubble with a picture
	Wrist level	*		*					*		Workout 2: piano hands-Written in words to guide student to raise the wrist the same level with the back of hand
	Dynamics (loud)					*		*	*		Instruct student to play loud but no explanation of how to make loud sound
						*	Move freely				Written in words to guide student to move higher
						*	LH only				Instruct student to repeat with LH
		RH only					*				As written on music
10	Dynamics (soft)					*		*	*	Practice carefully	Instruct student to play soft but no explanation of how to make it
						*	Move freely				Written in words to guide student to move lower
						*	LH only				LH sign on music
11	Nil					*	Round hand position			It's fun to play	Workout 3: develop strong joints-instruct student make a rounded playing position
						*	Dynamics loud				Instruct student to play loud
						*	Firm 1 joint on finger				Workout 3: develop strong joints-Written in words that keep the joint firm, press the joint closest to the nail and resist the gentle pressure from other finger. Picture show the firm joint resist other finger pressing

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category	Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others				
						* Move freely			As written on music	
						* RH only				
12	Nil					* Fingering		Taking Turns	Practice Journal: instructs student to say the finger numbers aloud when play on the closed keyboard on page 12-18	
						* Dynamics moderately loud			As written in words	
						* Hands play alternatively			LH/RH signs on music	
13	Nil					* Dynamics sign f		Great news	Explain meaning only. Sign on music	
						* Dynamics sign p			Explain meaning only. Sign on music	
						* Hands play alternatively			As written on music	
14						* Head/Shoulder relax		Dream big dreams	Workout 4: Sitting Tall-remind student to have the head and shoulders completely relaxed	
	Relax						*		Workout 4: Sitting Tall- instruct student sit tall and relaxed at the piano	
			*			* Sit tall			Workout 4: Sitting Tall-Imagine a string attached from the top of the head to the ceiling and written in words	
						* Dynamics f, p			Written on music	
						* Mind involvement			Remind sit tall before playing. Analogy of string attached from head top to ceiling to stimulate thinking	
						* Hands play alternatively			LH/RH signs on music	
15	Nil					* Dynamics f		Merrily we roll along	As written on music	
						* Hands play alternatively				
16	Nil					* Dynamics f		Old MacDonald had a dog	As written on music	
						* Hands play alternatively				
17	Pedalling	*		*			*	Fortune cookies	Explain how to use the pedal and its effect	
						* Dynamics (p)			As written on music	
						* Hands play alternatively				
18	Nil					* Dynamics (p)		Climbing the music ladder	Dynamic sign on music. Instruct student to use the 3 finger to play all keys on keyboard with RH, then LH	
						* RH only				
						* LH only				
						* Move freely			Play C, D, E at different location on keyboard	
19	Nil					* Move freely			Introduces key C, D, E. Play the CDE keys with RH then LH	
						* RH only				
						* LH only				
20						Dynamics (mf)		Up the attic stairs	Explain meaning only. Sign on music	
	Gradually softer						*		Instruct student to play gradually softer at the end	
						* Fingering			Practice Journal: Say the finger numbers when playing on closed keyboard	
						* Move freely			As written on music	
						* RH only				
						* LH only			Instruct student to play the music again with LH	
21	Gradually louder						*	Down the attic stairs	Instruct student to play gradually louder to the end	
						* Dynamics (mf, f)			As written on music	
						* Move freely				
						* LH only				
						* RH only			Instruct student to play the music again with RH	
22-23	Nil					* Gradually louder		Old MacDonald had a mouse	Instruct student to make the sound gradually louder in bar 8	
						* Dynamics f, p			As written on music	
						* Hands play alternatively				
24	Nil					* Move freely		Rock Wall	As written on music	
						* Dynamics mf				
						* Hands play alternatively				
25	Nil					* Move freely			Workout 5: Silent Touch-use the rest to move the hands to the new position and practice silently touch the keys without pressing them	
						* Dynamics mf		Climbing down	As written on music	
						* Hands play alternatively				
26	Nil					* Dynamics mf		A jazzy tune	As written on music	
						* Hands play alternatively				
27	Nil					* Dynamics p		Hush, little baby	As written on music	

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category	Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others				
28	Nil					* Hands play alternatively * Dynamics mf		Let's take a trip	As written on music	
29						* Hands play alternatively * Gradually softer * Dynamics p & f * Pedaling * Move freely		Big Ben	Instruct student to play softer at the end As written on music	
30	Nil					* Hands play alternatively * Dynamics mf * Hands play alternatively		Gum Ball machine	As written on music	
31	Nil					* Pedalling * Dynamics mf * Hands play alternatively		Early to bed	Instruct student to hold down the pedal for the chimes sound As written on music	
32	Nil					Nil				
33	Nil					* LH only * RH only			Instruct student to use the RH thumb to tape the rhythm then the RH thumb	
34	Nil					* Dynamics f * gradually softer * RH only * LH only			Introducing treble clef and bass clef As written on music.	
35	Nil					* Dynamics mf, f, p * Play hand alternatively		Change on C	As written on music	
36	2 notes together					* Dynamics f * Pedaling * LH only	*	Arrowhead	As written on music Instruct student to play again with sustain pedal As written on music.	
37	Nil					* Dynamic mf * 2 notes together * Rounded hand position LH only		My New Pieces	A statement remind student to keep a rounded hand position As written on music	
38	Hands together					* Hands play alternatively * Dynamics p * Hand level	*	Waltzing	As written on music	
39	Nil		*			* Wrist level * Pedaling * RH only		Aspen Trees	Workout 7: The Tabletp-Work out the top of hand and wrist should be level like a tabletop Instruct student to use the sustain pedal and hold throughout the piece As written on music	
40	Nil					* Dyanamics mf * Hands together * Hands play alternatively		Ice Pops	As written on music	
41	Nil					* Pedaling * Dynamics p * Play hand alternatively * 2 notes together		Twinkling Planets	Instruct student to use the sustain pedal and hold throughout the piece As written on music	
42	Nil					* Dynamics f * Hands play alternatively		Skating	As written on music	
43	Nil					* Dynamics f * Play hand alternatively		Basketball	As written on music.	
44	Nil					* LH only		Trampolian bounce	As written on music. Instruct student that LH now plays notes with stems up and down	
45	Nil					* Dynamics p & mf * Fingering * Mind involvement * Play hand alternatively		French Fries	As written on music Practice Journal: check the starting finger number Practice Journal: A check list for practice before playing As written on music.	
46	Five finger position (C position)	*		*		* Hand level * Wrist level * Finger pad * Thumb & 5th finger use * Dynamics mf	*	Skateboard champ	Workout 8: 5-Finger checklist for LH- Question about the hand, wrist, use finger pads, use side tip of thumb As written on music	

Alfred's Premier Piano Course Lesson 1A (2005)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category	Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others				
							* LH only			
							* RH only			
							* Mind involvement			Questions to student about the finger
47	Nil						* Dynamics p & f		Minuet for Bach	As written on music.
							* LH only			
48	Nil						* Dynamics mf		Alouette	As written on music
							* Hands play alternatively			
49	Nil						* Dynamics mf & p		My kite	As written on music
							* Fingering			
							* Hands play alternatively			
50	Nil			*			* Five fingers position (C position)		All star game	Keyboard picture shows the 5 finger position of C
			*				* Hand level			Workout 9: 5-Finger Checklist for RH: Question to student about the hand and wrist level make a tabetop, the fingertip pads of finger 2,3,4,5 and the use of side tip of the thumb
			*				* Wrist level			
							* 2-4 finger pad			
							* Use of thumb			
							* Use of 5th finger			
							* Mind involvement			Questions to student about the finger
							* RH only			As written on music
							* LH only			
51	Nil						* Dynamics f		Ode to joy	As written on music.
							* Fingering			
							* Hands play alternatively			
52	Nil						* Dynamics mf		A page for two	As written on music.
							* Move freely			Workout 10: On the Move-instruct student to move the hand so the same finger can play different notes
							* Hands play alternatively			As written on music
53	Nil						* Dynamics mf, f p		Snowy Day	As written on music
							* Hands play alternatively			
54	Nil						* Dynamics f		Bike Ride	As written on music
							* LH only			
							* RH only			
55	Nil						* Dynamics f		Old Joe Clark	As writtено on music
							* Hands play alternatively			
56	Nil						* Dynamic f		Hopscotch	As written on music
							* LH only			
57	Nil						* Dynamics mf		Rise and Shine	As written on music
							* RH only			
58-59	Nil						* Dynamics mf		The wheels on the bus	As written on music
							* Hands play alternatively			
60	Nil						* Dynamicsi f		Eine Kleine Mozart	As written on music
							* Hands play alternatively			
61	Nil						* Dynamics mf, f, p		Haydn's surprise	As written on music
							* Hands play alternatively			
62-63	Nil						* Dynamics f, p, mf		Time to celebrate	As written on music
							* Gradually louder			
							* Hands play alternatively			

Summary										Remarks	
Total pages	60	14	6	2	6	0	11		7	13	Total pages containing given parameter
Percent (pages)		23% of total pages	43%	14%	43%	0%	79%		50%	93%	Percent of total pages with new elements
Total technique elements		34	21	2	20	0	13		7	32	Total no. of new technique elements introduced
Percent (elements)			62%	6%	59%	0%	38%		21%	94%	Percent of total new technique elements
Summary for the first 40 pages											
Total Pages	40	13	5	2	5	0	11		7	12	Total pages containing given parameter
Percent (pages)		33% of the first 40 pages	38%	15%	38%	0%	85%		54%	92%	Percent of total pages with new elements

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments	
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development			
3	Mind involvement					*		*	*		Questions to student to check the sitting position and hand position	
	Bench Height			*					*		Student is asked to check the bench height and distance, posture and hand position	
	Distance			*					*			
	Good hand position					*			*		Instruct student to find a good hand position without explain it.	
	Shoulder relax	*		*					*		Technique tool 1: explain how to relax the shoulder and arms hang straight down. Do the shoulder exercise 3 times each day. Sit up and relax.	
	Relaxed/heavy arm	*		*					*			
	Sit straight	*		*				*	*			
4	Arm weight	*		*				*	*	Great Weight	Technique tool 2: explain how to feel the arm weight and do 3 times a day	
	Full sound	*						*			Use arm weight for full sound	
	Dynamics (loud)					*		*	*		Instruct student to play loud on music without mention how to do loud sound	
	Hands play alternatively					*			*		As written on music	
	2 notes together (in one hand)								*			
						*	Relaxed shoulder					Technique tool 2: states in technique 2
					*	Relaxed/heavy arm						
5	Move freely	*	*	*					*	Beautiful Arches (LH?RH)	Technique tool 3: explain how to do the free movement on a closed keyboard cover. The title of song helps student to move with curved arches motion	
	Dynamics (medium loud)					*		*	*		States on top of music	
						*	2 notes together				As written on music	
6	Strong Fingertips	*	*	*					*	Pumping Iron (LH)	Technique tool 4: Remind rounded hand position, Joint firm, imagine fingertips strong	
	Round hand position	*		*					*			
	Use finger pad	*		*					*			
	LH only					*			*			
	3 notes together					*			*			
						*	Arm weight					Technique Tip: remind student use strong finger tips, arm weight and move freely
					*	Move freely						
7	RH only					*			*	Pumping Iron (LH)	As written on music	
						*	3 notes together					
						*	Strong fingertips					Technique Tip: remind student use strong finger tips, arm weight and move freely
		*		*			Round hand position					Technique tool 4: remind student play in rounded hand position and strong fingertip. Technique tipL use arm weight and more freely
		*		*			Finger pad					
		*		*			Arm weight					
	*					Move freely						
8	Finger weight	*		*					*	Balancing weight	Technique tool 5: explain how to get the finger weight on fingertip	
	Balance weight (arm & finger)	*		*					*	*	Technique tip: use finger weights and arm weight to create dynamics and good tone. Balance the weight between finger and arm. (f) with finger firmly, (p) with finger lightly	
		*					Dynamics (f) loud					
	Dynamics (p) soft	*							*	*		
	Good tone	*							*			
		*					Arm weight					
					*	Hands play alternatively						
					*	Round hand position					Technique tool 5: remind rounded hand position	
9	Nil					*	Finger weight			Bamboo Forest	An etude 1: use finger weight and arm weight in this piece. Discuss with teacher where use finger or arm	
						*	Arm weight					
						*	Hands play alternatively				As written on music	
						*	2 notes together					
						*	3 notes together					
						*	Dynamics f, p					
					*	Mind involvement					Student is required to discuss with teacher where use the finger weights and arm weight in the music	

Alfred's Premier Piano Course Technique 1A (2005)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
10	Repeated note playing (finger close to key)	*		*				*	Close Call	Technique tool 6: do the lift hand and keep the finger close to key surface on closed keyboard cover	
	Listening skill	*						*		Technique tip: stay close to keys for repeated notes, and move freely up and down the keyboard. All repeated notes must be heard clearly	
						*	Move freely			As written on music	
						*	Hands play alternatively				
11	Use of thumb	*		*				*	On the Side	Technique tool 7: explain use the side tip of thumb and keep the thumb relax and the wrist loose	
		*		*			Dynamics (mf) medium loud			Technique Tip: Explain use small finger weights for mf sound and no finger weights for (p) sound with picture	
		*					Round hand			Technique tool 7: rounded hand position	
						*	Hands play alternatively			As written on music	
						*	Dynamics p				
12	Nil	*		*			Dynamics mf, f, p		Work it out	A weight picture printed on page. Technique tip: more arm/finger weight for louder sound and less weight for softer sound	
						*	Hands play alternatively			As written on music	
						*	Move freely				
						*	Mind involvement			Remind how to do the dynamic contrast by arm weight and finger weight	
13	Finger independence	*		*				*	Rise and Shine	Technique tool 8: explain how to work on finger independence with energy and precisely played. Technique tip: remind student play with finger independence	
	Use of 5th finger	*		*				*		Note to student to keep 5th finger curved, nail joint strong and avoid play on its side	
	Curved finger tip			*				*		The picture shows the finger tip is curved	
		*					Tone quality (sound clear)			Technique tool 8: should note should sound clear	
						*	Dynamics f			As written on music	
14-15	Nil					*	Mind involvement			Technique Quiz: questions to student about repeated notes and finger independence	
						*	Fingers activity (close to key)			In Technique quiz to remind student	
						*	Hands play alternatively			As written on music	
						*	Dynamics mf & p				
16	Nil	*					Strong fingertips			Technique tip: use strong fingertips and finger independence are written to remind student	
		*					Finger independence			As written on music	
						*	Move freely				
						*	LH only				
						*	Dynamics f				
17	Nil	*					Strong fingertips			Student is asked to memorize the music pattern	
		*					Finger independence			Technique tip: use strong fingertips and finger independence are written to remind student	
						*	Move freely			As written on music	
						*	RH only				
						*	Dynamics f				
18	Nil	*					Round hand position/arched hand		Building Bridges	Technique tip: Use round hand position with a strong bridge between finger 1 and 5. Use side tip of thumb and keep finger 5 curved. Use arm weight to create full sound	
		*					Use of 5th finger				
		*					Use of thumb				
		*					Arm weight				
		*					Tone quality (full sound)				
						*	LH only			As written on music	
						*	RH only				
					*	Dynamics f					

Alfred's Premier Piano Course Technique 1A (2005)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
19	Nil	*					Strong finger tips			Pumping Ivories	Technique tip: use strong finger tips, play on the side tip of thumb and curved the 5th finger are written to remind student
		*					Use of thumb				
		*					Use of 5th finger				
						*	Move freely				As written on music
						*	Dynamics mf				
20-21	Balance (play evenly from hand to hand)	*							*	Back and Forth	
	Pedalling	*							*		With explain how to press the pedal
		*					Strong fingertips				Statements inside a box remind student use fingertips and listen to the
		*					Listening skill				
						*	Mind involvement				Technique Quiz: question about arm weight and steady tempo
						*	Hands play alternatively				As written on music
						*	Dynamics mf, f, p				
22	Nil	*	*				Arm weight				Suggest student to feel the arm weight
							Move freely			Tracing Rainbows	Technique tips: use analogy for the free movement up and down the keyboard with curves like the arch of a rainbow
		*					Finger close to keys (repeated notes)				Technique tip: remind student stay close to keys for repeated notes
						*	LH only				As written on music
						*	RH only				
23	Nil	*					Dynamics mf & p				
							Strong fingertips			Falling Pattern/Rising Pattern	Technique tip: strong fingertips and finger independence
		*					Finger independence				
						*	RH only/LH only				As written on music
24	Nil	*					Move freely				
						*	Dynamics f, mf				
						*	Finger independence			Keeping Fit (LH)	Technique tip: finger independence, play with energy and precisely
25	Nil	*					LH only				As written on music
						*	Dynamics mf & p				
						*	Finger weight			Keeping Fit (RH)	Technique tip: finger weight on for playing forte and off for playing piano
26-27	Nil	*					RH only				As written on music
						*	Hands play together				Technique challenge: hands together
						*	Dynamics f, p				As written on music
		*					Mind involvement			Shades of Blue	Request student to imagine the dynamic change is a different shade of the same color. Technique quiz for how to play the dynamic contrast
28	Nil	*					Dynamics f, mf, p				As written on music
						*	Listening skill				Listen to different shades of blue
						*	Hands play alternatively				As written on music
						*	Finger weights			Weighting Around LH/RH	Technique tip: use finger weight for mf, off finger weight for p
29	Rotary (gentle hand rock)	*		*					*		
	Feel the weight	*							*		Finger weight shifts from one to other finger. Technique tip: same information to remind student
		*					Round hand position				
		*					Wrist level				
		*					finger weight				
						*	Dynamics f				As written on music
						*	Mind involvement				
30-31	Nil	*					LH only				As written on music
						*	RH only				
						*	Mind involvement			Good Mood	Student is asked to paint a sound picture of the mood in the song by changing dynamic as indicated in the music.
						*	Hands play alternatively				As written on music
					*	Dynamics f, mf, p					

Alfred's Premier Piano Course Technique 1A (2005)

	Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
			Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
							*	Rotary (gently rock)				Technique quiz: Gently rock between fingers
			*					Balance				Technique quiz: question about moving hand to hand with the sound no louder than the notes surrounding it
Summary											Remark	
Total pages	29	12	9	2	9	0	5		7	12		Total pages containing given parameter
Percent (Pages)		41% of total pages	75%	17%	75%	0%	42%		58%	100%		Percent of total pages with new technique elements
Total technique elements		34	20	2	18	0	7		12	30		Total no. of new technique elements introduced
Percent (elements)			58%	6%	52%	0%	21%		35%	88%		Percent of total new technique elements

Bastien Piano Basics Primer Lesson (1985)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments	
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development			
4	Sit straight	*		*					*	Nil (Sitting at the piano & hand position)		
	Feet on floor/stool	*		*					*			
	Curved fingers	*	*	*					*		Analogy: imagine holding a ball in hand	
	Wrist level	*		*					*		Wrist level with arm	
5	Fingering	*		*					*	Nil (Finger numbers)	Introducing finger number	
6	RH only					*			*	Nil (The piano keyboard)	Introducing the piano keyboard	
	LH only					*			*		Instruct student to play LH and RH	
	Move freely					*			*		Play 3/2 black keys together, move up and down	
7	Nil					*	RH only			Nil (Low and high)	Introducing the concept of low and high. Instruct use LH only and RH only to play 2 and 3 black keys	
						*	LH only					
						*	Move freely				Play low, middle and high black keys	
8						*	Fingering			First March	Practice Direction: Play and sing the finger number	
				*		*	LH only				Practice Direction: Picture guides student to find out the left hand position. It mentions LH will play	
9	Nil			*		*	RH only			The Balloon Man	Picture guides student to find out the right hand position. It mentions RH will play	
10	Hands play alternatively					*			*	Three Little Pigs	Practice Direction: Instruct student to find the correct hand position. Picture guides student to find the hands position. RH and LH signs on music	
						*	Fingering				Practice Direction: Play and sing the finger number	
11	Nil			*		*	Hands play alternatively			Lamb at School	LH and RH signs on music. Picture guides student to find the correction position for hands	
12-13	Nil			*		*	Hands play alternatively			Old MacDonald	LH and RH signs on music. Picture guides student to find the correction position for hands	
14-15	Nil					*	RH only/LH only			The Music Alphabet	Play each music alphabet at different location	
						*	Move freely					
16	Legato	*							*	*	Stepping Up and Down	Explain the term and how to play with one finger lifts when another finger plays the next note
	Five finger C position			*		*			*		Picture as a guide to find the five finger C position	
						*	Fingering				Practice Direction: Instruct student to play and sing the finger number	
				*		*	Hands play alternatively				Practice Direction: instruct student to find the hand position. Picture guides student to find out the C position	
17	Nil						Hand play alternatively			The Caterpillar Crawl	LH and RH signs on music	
18	Nil						Hands play alternatively			Express Train	LH and RH signs on music	
19	Nil						Hands play alternatively			Our Monkey Bars	LH and RH signs on music	
20	Nil						Hands play alternatively			Backyard Bell	LH and RH signs on music	
21	Nil						Hands play alternatively			Bike Ride	LH and RH signs on music	
22	Nil						Hands play alternatively			Space Flight!	LH and RH signs on music	
23	Nil						Hands play alternatively			Circus Fun	LH and RH signs on music	
24	Nil									Theory Review		
25	Nil									Staffs and clefs	Introducing staffs and clefs	
26				*		*	Five-finger position (C position)			C Song	C position on RH, pictures as guide to locate the notes	
	Eyes on music	*							*		Instruct student to watch the music instead of look down at the hands	
						*	RH only				RH sign on music	
27	Nil					*	RH only			Skippping Fingers/Easy Repeats/Go Tell Aunt Rhodie	RH sign on music	
28	Nil			*		*	Five-finger position (C position)			Skating	Picture as a guide to find out the LH C position	
						*	LH only				LH sign on music	
29	Nil					*	LH only			Roller Coaster Ride/Boat Ride/Ode to Joy	LH sign on music	
30	Dynamics (loud)					*			*	*	As written on music without explain how to do loud or soft	
	Dynamics (soft)					*			*	*		
				*		*	Five-finger position (C position)				C Warm-Up	Picture as a guide to find out RH/LH five finger C position
						*	Hands play alternatively				As written on music	
31		*					Dynamics (f,p)		*		Shouts and Whispers	Explain f and p mean loud and soft but no explanation about how to make loud or soft sound
						*	Hands play alternatively				As written on music	
32	Nil					*	Dynamics (f)				Stealing 2nd Base	As written on music
						*	Hands play alternatively					
33	Nil					*	Hands play alternatively				Skipping Frogs	As written on music

Bastien Piano Basics Primer Lesson (1985)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
34	Slur	*				*	Dynamics (f)	*	*	Happy Halloween	Explains slur is a curved line over or under 2 or 3 notes and to be played legato.
	Phrasing	*						*			Phrase is musical thought that shown by a slur.
							Legato				Notes under the slur need to be played legato. Legato means smooth and connected.
	Lift hand					*			*		Instruct student to lift hand gently at the end of a phrase
						*	Hands play alternatively				As written on music
						*	Dynamics (p)				
35	Nil					*	Phrasing			Noah's Ark	As written on music
						*	Hands play alternatively				
						*	Dynamics (f)				
36	Nil					*	Phrasing			Four Funny Clowns	As written on music
						*	Hands play alternatively				
						*	Dynamics (f)				
37	Nil					*	Hands play alternatively			Boogie Beat	As written on music
						*	Dynamics (f)				
38	Nil					*	Hands play alternatively			Five Hunting Hounds	As written on music
						*	Phrasing				
						*	Dynamics (f, p)				
39	2 notes together (in LH)					*		*		Indian Drums	As written on music
						*	Hands play alternatively				
						*	Dynamics (f)				
40	Hands together					*		*		My Computer	LH plays chord. As written on music
						*	Phrasing				
						*	Hands play alternatively				
						*	2 notes together (LH)				
						*	Dynamics (f)				
41	3 notes together					*		*		Playing C chords	Playing C Chord on LH/RH. As written on music
						*	Hands play alternatively				
						*	Dynamics (f, p)				
42	Balance	*				*		*	*	Row, Row, Row Your Boat	Instruct student to play LH softer than the RH melody with providing the reason
						*	Phrasing				As written on music
						*	Hands play alternatively				
						*	Hands play together				
						*	3 notes together				
						*	Dynamics (f)				
43	Nil					*	Phrasing			Love Somebody	As written on music
						*	3 notes together (LH)				
						*	Hands play together				
						*	Dynamics (f)				
44	Nil					*	Hands play alternatively			Middle C Warm-Up	As written on music
						*	Dynamics (f, p)				
45	Nil					*	Phrasing			Time for Tea	As written on music
						*	Hands play alternatively				
						*	Dynamics (f, p)				
46	Nil					*	Phrasing			Birthday Fun	As written on music
						*	Hands play alternatively				
						*	Dynamics (f)				
47	Nil					*	Phrasing			Skip to my Lou	As written on music
						*	Dynamics (f)				
						*	Hands play alternatively				
48	Nil					*	Phrasing			The Funny Snowman	As written on music
						*	Hands play alternatively				
						*	Dynamics (f, p)				
49	Nil					*	Hands play alternatively			Lavender's Blue	As written on music
						*	Hands play together				
						*	Phrasing				
						*	Dynamics (p)				
50	Five-finger position (D pos)			*		*		*		Aura Lee	Picture as a guide to locate the notes
						*	Phrasing				As written on music
						*	Hands play alternatively				
						*	Hands play together				
						*	Dynamics (p)				
51	Nil					*	Phrasing			Scarborough Fair	As written on music
						*	Hands play alternatively				
						*	Hands play together (2 bars only)				
						*	Dynamics (p)				
52	Five-finger position (G pos)			*		*		*		G Warm-Up	Picture as a guide to locate the notes
						*	Phrasing				As written on music

Bastien Piano Basics Primer Lesson (1985)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
							* Dynamics (f)				
							* Hands play alternatively				
53	Nil						* Hands play together (1 bar only)			That Old Car	As written on music
							* Hands play alternatively				
							* 3 notes together (LH/RH)				
							* Phrasing				
							* Dynamics (f)				
54	Nil						* Phrasing			Thanksgiving Turkey	As written on music
							* Hands play alternatively				
							* Hands play together				
							* 2 notes together (LH)				
							* Dynamics (f)				
55	Nil						* Phrasing			The Singing Donkey	As written on music
							* Hands play together				
							* 2 notes together (LH)				
							* Dynamics (p)				
56	Staccato	*					* Hands together	*	*	Staccato Warm UP/The Clo	As written on music
							* Hands together				
							* Dynamics (f, p)				
							* Hands play alternatively				
57	Nil						* Staccato			Basketball	As written on music
							* Hands play together				
							* Hands play alternatively				
							* Dynamics (f)				
58	Nil						* Phrasing			Electric Bass	As written on music
							* Hands play alternatively				
							* Staccato				
							* 3 notes together (RH)				
							* Dynamics (f)				
59	Nil						* Phrasing			The Dragon's Lair	As written on music
							* Hands play together				
							* 2 notes together (LH)				
							* Dynamics (f, p)				
60-61	Nil						* Phrasing			Indian Dance	As written on music
							* Hands play together				
							* Hands play alternatively				
							* 2 notes together (LH/RL)				
							* Staccato				
							* Dynamics (f, p)				
62	Nil						* Hands play together			Jingle Bells	As written on music
							* 3 notes together (LH)				
							* Staccato				
							* Dynamics (f)				
Summary											Remarks
Total pages	59	15	7	1	5	0	11		5	15	Total pages containing given parameter
Percent (pages)		25% of total pages	47%	6%	31%	0%	60%		33%	100%	Percent of total pages with new technique elements
Total technique elements		24	11	1	8	0	14		8	23	Total no. of new technique elements introduced
Percent (elements)			46%	4%	33%	0%	58%		33%	96%	Percent of total new technique elements
Summary for the first 40 pages											
Total pages	40	10	5	1	3	0	7		3	10	Total pages containing given parameter
Percent (pages)		25% of the first 40 pages	50%	10%	30%	0%	70%		30%	100%	Percent of total pages with new technique elements

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
2	Curved fingers					*		*	*	C warm up	Instruct student to curve finger
	Legato (Connect the tone)	*						*	*		
	Dynamics (loud)	*						*			
	Dynamics (soft)	*						*			Instruct student to play loud and soft but no explanation how to do it
	Five fingers position (C position)			*		*		*			Picture as a guide to locate the notes
	Hands play alternatively					*		*			As written on music
3	Nil					*	Hands play alternatively			Totter Fun!	As written on music
4	Nil					*	Hands play alternatively			Sea Whale/Ocean Octopus	As written on music
5	Nil					*	Hands play alternatively			The Merry-Go-Round/Circus Clown	As written on music
6	Nil			*		*	Five-fingers position (C Position)			Roller Coaster Ride	Picture as a guide to locate the notes
						*	Dynamics (f, p)				As written on music
						*	Hands play alternatively				
			*				Curved fingers				Practice Directions: instruct student to play legato with connecting the tones and curved fingers
		*				Legato					
7	Hands together					*		*		On the Ferries Wheel	Instruct student to play hands separately first and then hands together
	RH only					*					
	LH only					*					
						*	Dynamics (f, p)				As written on music
8	Nil					*	Hands play together			Monkey Twins	As written on music
						*	Dynamics (f, p)				
9	Nil					*	Hands play together			Three Giraffes	As written on music
						*	Dynamics (f, p)				
10	Slur	*						*		Floating Clouds/Lifting Balloons	
		*						*			Up wrist motion at the end of slur
	Wrist roll (at end of slur)	*				*	Hands play alternatively				As written on music
						*	Dynamics (f, p)				
11	Nil					*	Slur			Tied Score/All Tied Up!	As written on music
						*	Wrist Roll (lift) at the end of slur				
						*	Hands play alternatively				
						*	Hands play together				
						*	Dynamics (f, p)				
12	Nil					*	Hands play together			Four Crows	As written on music
						*	Dynamics (f, p)				
13	Nil					*	Hands play together			Five Rabbits	As written on music
						*	Dynamics (f, p)				
14	2 notes together (RH/LH)					*		*		Melodic Intervals/Harmonic Intervals	As written on music
						*	Hands play alternatively				As written on music
						*	Dynamics (f, p)				
15	Nil					*	2 notes together			Clip-Clop Trail/Echo Canyon	As written on music
						*	Hands play alternatively				
						*	Slur				
						*	Dynamics (f, p)				
16	3-notes together (RH/LH)					*		*		Chords are Fun!/Melody and Chords	As written on music
						*	Hands play together				
						*	Dynamics (f, p)				
17	Nil					*	Hands play alternatively			Harp Chords	As written on music
						*	Dynamics (f, p)				
18	Nil					*	Hands play alternatively			Let's Go Sliding!	As written on music
						*	Slur				
						*	Dynamics (f, p)				
19	Nil					*	Slur			Bees in Springtime/The Crawling Caterpillar	As written on music
						*	Hands play alternatively				
						*	Dynamics (f, p)				
20	Nil					*	Slur			Hear the Wind Blow	As written on music
						*	Hands play alternatively				
						*	Dynamics (f, p)				
21	Nil					*	Slur			The Busy Windmill	As written on music
						*	Hands play alternatively				
						*	Hands play together				
						*	Dynamics (f, p)				
22	Five finger position (G major)			*		*		*		2nds and 3rds/Hopscotch	Pictures as a guide to locate the notes
						*	Slur				As written on music
						*	2 notes together				
						*	Hands play together				

Bastien Piano Basic Primer Technic (1985)												
	Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
			Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
							*	Dynamics (f, p)				
23	Nil						*	3 notes together (G triad)			G Chords/Boogie Time	As written on music
							*	Hands play alternatively				
							*	Hands play together				
							*	Dynamics (f, p)				
24	Staccato						*		*	*	Let's Jump!	Staccato sign at note head. No explanation on how to do it or what is the dotted means.
							*	Hands play together				As written on music
							*	Dynamics (f, p)				
25	Nil						*	Staccato			Wooden Shoe Dance	As written on music
							*	2 notes together				
							*	Dynamics (f, p)				
26	Nil						*	Slur			Outer Space/Robot Compani	As written on music
							*	Hands play together				
							*	Dynamics (f, p)				
27	Nil						*	Staccato				
							*	Hands play together				
							*	Dynamics (f, p)				
28	Wrist drop	*							*		Phrasing 2's/Phrasing 3's	As written on music
		*						Wrist roll				
	Slur (2 or more notes)	*							*			Instruct student to begin with a low wrist at the first note of 2/3 notes slur and end with a high wrist. An arrow downward sign to indicate the wrist drop motion and an arrow upward sign to indicate the wrist roll up motion
							*	Hands play together				As written on music
							*	Dynamics (f, p)				
29	Move freely						*		*		Turning Cartwheels	LH cross over the RH as printed on music. Continue the musical pattern on the white keys
							*	Hands play alternatively				As written on music
							*	Dynamics (f, p)				
30	Nil						*	Hands play together			The Snake Charmer	As written on music
							*	Dynamics (f, p)				
31	Nil						*	Staccato			Indian Brave	As written on music
							*	Slur				
							*	Hands play alternatively				
							*	Hands play together				
							*	2 notes together				
							*	Dynamics (f)				
Summary											Remarks	
Total pages	30	9	3	0	2	0	6		4	9		Total pages containing given parameter
Percent (pages)		29% of total pages	33%	0%	22%	0%	66%		44%	100%		Percent of total pages with new elements
Total technique elements		18	7	0	2	0	10		6	16		Total no. of new technique elements introduced
Percent (elements)			39%	0%	11%	0%	56%		33%	88%		Percent of total new elements

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
3	Nil										
4	Fingering	*		*				*	Finger Wiggle Game	Picture indicate the finger number. Instruct student to use wiggle specific finger	
5	RH only					*		*	Exploring the keyboard	Instruct student to play the 2/3 black keys	
	LH only					*		*			
6	2 notes together					*		*	Rain Drop	As written on music	
	Hands play alternatively					*		*			
	Arm drop freely					*		*		Practice Plan: instruct student to have arm drop freely on each beat	
7	3 notes together					*		*	Call of the Drum	As written on music	
	Firm fingers					*		*		Practice Plan: instruct student to play with firm, rounded fingers	
	Curved fingertip					*		*			
						*	Hands play alternatively			As written on music	
8	Listening skill	*						*	Exploring sound	Instruct student to listen the difference between the low, middle and high sounds on groups of 2 black keys and 3 black keys	
	Move freely					*		*		Play different group of 2 and 3 black keys	
						*	2 notes together			Instruct student to play 2/3 black keys together	
						*	3 notes together				
						*	RH only				
						*	LH only				
9	Nil					*	Hands play alternatively		Low, Middle, High Patterns	Instruct student to say which hand that plays	
						*	2 notes together			As written on music	
						*	3 notes together				
10	Nil					*	Arm drop freely		Cluster Bounce	Instruct student to play with relaxed arm drop	
						*	Move freely			Instruct student to move from low to high and back to low on the keyboard	
						*	3 notes together			As written on music	
						*	RH only				
						*	LH only				
11	Nil					*	Fingering		Finger Number Frolic	Instruct student to number each finger on LH and RH	
12	Nil					*	Firm fingers		Black-Key Finger Workout	Remind student to play with firm and rounded finger	
						*	Curved finger tips				
						*	2 notes together			As written on music	
						*	RH only				
						*	LH only				
13	Nil						Nil			(improvisation)	
14	Nil						Nil			(improvisation)	
15	Nil					*	Arm drop freely		The Ants Go Marching	Practice Plan: remind student to have arm drop freely and firm/rounded fingers in playing. Instruct student to brace finger that the finger 3 is supported by the thumb	
				*		*	Firm/rounded fingers			As written on music	
						*	2 notes together				
						*	3 notes together				
						*	Hands play alternatively				
16	Nil					*	Firm/rounded fingers			Remind student to play with firm and rounded fingers in words	
						*	2 notes together			As written on music	
						*	Hands play alternatively			As written on music. Play in lap and say which hand plays	
17	Nil					*	Arm drop freely			Practice Plan: remind student to use a relaxed arm drop	
						*	2 notes together			As written on music	
						*	3 notes together				
						*	Hands play alternatively			As written on music. Practice Plan: tap and say which hand plays	
18	Nil					*	Move freely		Up, Down, Same Game	Play the 3 notes together going up and down and stay the same	
						*	3 notes together			As written on music	
19	Nil						Nil				
20	Nil					*	RH only		Going Up and Down	As written on music. Instruct student to tape and say which hand plays.	
						*	LH only				
						*	2 notes together				
						*	Hands play alternatively				
						*	Move freely				
						*	Firm fingers			Instruct student to brace the 2nd finger of in each hand to play the 2 black keys.	
						*	Curved finger tips				
21	Legato	*						*	2-3-4 Walk-a-bout	Instruct student to play smoothly by walking from one finger to the next on the single notes. (A word: legato printed at the bottom of the music)	

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
						* 3 notes together				As written on music.	
						* RH only					
						* LH only					
	Dynamics (soft)		*	*			*	*	Soft or Loud?	Associated the sound effect to the animals on the escalator as shown in the picture. Play soft or loud sound on the keyboard for each animal	
	Dynamics (loud)		*	*			*	*			
22	Mind involvement					*		*	Rocket Ships	dynamic to stimulate student's thinking	
				*		* Move freely				Practice Plan: Instruct student to practice the hand move an octave up. A keyboard picture provided to show the movement direction	
						* Hands play alternatively				As written on music. Practice Plan: Say which hand plays. Question about the RH notes always the same or not	
						* Legato (walk smoothly)				Practice Plan: Instruct student to play single notes smoothly	
						* Dynamics (f, p)				Be the Judge: Question about the sound be softer or louder	
						* 3 notes together				As written on music	
23	Nil					* Move freely				Practice Plan: Instruct student to practice the hand moves (an octave	
						* Dynamics (f, p)				Practice Plan: Instruct student to play softly the first time and loudly the second time	
						* Hands play alternatively				As written on music. Practice Plan: say which hand plays	
						* 3 notes together				As written on music	
24	Nil					Nil				Musicianship training	
25	Nil					* Dynamics (f, p)			The Elephant and the Mouse	Instruct student to improvise a song with soft and loud sound	
						* Move freely				Instruct student to improvise a song with up/down/same movement	
26	Nil					* Mind involvement			Hot Cross Buns	Practice Plan: instruct student to write his/her own practice plan	
						* RH only				As written on music	
						* LH only					
27	Hands play together					*		*	Left-Right-Both Workout!	As written on music. Instruct student to tap and say which hand plays (LH, RH or both)	
						* Hands play alternatively				Note reading training	
28	Nil					* Nil				Interval training	
29	Nil					* Nil					
30	Nil					* LH only				As written on music	
						* RH only					
						* Fingering				Say the finger number while playing	
31	Nil					* LH only			Deep Blue Sea	As written on music	
						* RH only					
32	Nil	*				* Dynamics (f, p)			Whisper or Shout	Explain the term p and f and signs on music. You Be the Judge: ask student whether he/she hear p and f	
						* Hands play alternatively				As written on music. Practice Plan: Instruct student to tap and say which hand plays	
						* Listening skill				You be the Judge: Question to student whether he/she could hear p and f sounds	
33	Nil					* Hands play alternatively			Brass Band	As written on music. Practice Plan: instruct student to tap and say which hand plays	
						* Dynamics (f)				As written on music	
34	Phrase	*					*		Clouds	Phrase is a group of notes. Practice Plan: Question about how many phrases in the music	
	Lift up hand	*					*			Practice Plan: Lift up hand at the end of phrase, the last note be soft	
						* Legato (notes within phrase)				Practice plan: notes within the phrase mark be smoothly played	
						* Hands play alternatively				As written on music. Practice Plan: instruct student to tap and say which hand plays	
						* Dynamics (p)				As written on music	
35	Nil					* Phrase			Fun Thumb Phrases!	As written on music.	
						* Legato (notes within phrase)				Fun Thumb Phrases: instruct student to play smoothly	
						* Lift up hand				Fun Thumb Phrases: play the last note softly and lift up hand	
						* Hands play alternatively				As written on music. Instruct student to say which hand plays when play on the keyboard cover	
36	Nil					* RH only			Interval Safari: Busy Bee Song	As written on music	
37	Nil					Nil				Musicianship training	
38	Nil					* Move freely			My Day at the Circus	Instruct student to improvise a song with high, middle low sounds	

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
							Dynamics (f, p)				Instruct student to improvise a song with p and f sounds
39	Nil						Phrase			Prairie Song	As written on music. Practice plan: Question about how many phrases in the piece. Remind student to end the phrase softly
							* Legato (notes within phrase)				You be the Judge: Question to student whether he/she hear the smooth phrases and the dynamic (p) sound.
							* Listening skill				
							* Dynamics (p)				
40	Nil						* Phrase			Two-staff Stepping	Practice Plan: Instruct student notice the phrase marks and play smoothly
							* Legato (notes within phrase)				
							* Fingering				Practice Plan: instruct student to say the finger numbers and play on keyboard cover
							* Hands play alternatively				As written on music
41	Nil						Nil				Bar Line teaching
42	Nil						* Phrase			Lullaby	Practice Plan: Question to student about how many phrases in the music. Remind student to play legato.
		*					* Legato (notes within phrase)				Legato is explained. It means to play smoothly by connecting the notes and a phrase mark means to play legato
							* Hands play alternatively				As written on music
							* Dynamics (p)				
43	Nil						Nil				Interval training
44	Nil						* Hands play alternatively			Pattern Search	As written on music
45	Nil						* Hands play alternatively			Busy Bee Toccata	As written on music
							* 2 notes together				
							* Phrase				
46	Nil						Nil			Name the White Keys/Alpha	
47	Nil						* LH only				As written on music. Instruct student to play RH only, braced the 2nd finger and then LH
							* RH only				
							* Dynamics (f)				
48	Nil						* Fingering			Phrase the Legato	Instruct student to sing the finger numbers when student plays on the keyboard cover
							* Phrase				As written on music. Phrase end play softly
							* Legato (notes within phrase)				Remind student to play legato
							* LH only				As written on music
							* RH only				
49	Nil						* Fingering			CDE Waltz	Practice Plan: Sing the finger number when play on the keyboard cover
							* Phrase				As written on please. Practice Plan: Question to student to find out how many phrase and pattern in music.
							* Dynamics (f, p)				As written on music. You be the Judge: question about the dynamic f and p
							* Hands play alternatively				As written on music
							* Listening skill				You be the Judge: Ask student if he/she hears the sound of p and f and
50	Nil						* Hands play alternatively			Scooter	As written on music. Practice Plan: question about which hand starts
							* Phrase				As written on music. Practice Plan: Question about how many phrases and patterns in music
							* Dynamics (f)				As written on music
51	Nil						* Hands play alternatively				As written on music. Instruct student to say which hand plays
							* Hands play together				
							* Dynamics (f, p)				As written on music
52	Nil						Nil				Interval and rhythms training
53	Nil						Nil				Musicianship training
54	Nil						* Dynamics (f, p)			Mountain Climbing	Instruct student improvise own song and use the dynamic f or p
55	Nil						* Fingering			Merrily We Roll Along	Practice Plan: Instruct student to say the finger numbers when play on the keyboard cover
							* Phrase				As written on music. Practice Plan: Question to student to find out how many phrases and patterns in music
							* Hands play alternatively				As written on music
							* Hands play together				
							* Dynamics (p)				
56	Staccato (short/detached so	*						*	*		Instruct student to play again with short, detached sounds
							* Legato				Instruct student to play legato with firm/rounded fingers
							* Firm fingers				
							* Curved finger tips				
							* RH only				As written on music

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category	Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others				
						* LH only				
57	Nil					Nil			Keys alphabet names	
58	Nil					* Mind involvement			Practice Plan: Instruct student to write his/her own practice plan	
						* Phrase			You be the Judge: Question to student about the sounds (p) and legato phrases	
						* Dynamics (p)				
						* Legato				
						* Hands play alternatively			As written on music	
59	Nil					* RH only		FGAB Polka	As written on music. Practice Plan: Instruct student to say which hands	
						* LH only				
						* Hands together			As written on music. Practice Plan: say which hand plays	
						* Hands play alternatively				
						* Dynamics (f)			As written on music	
						* Fingering			Practice Plan: question to student about which fingers to be used	
						* Phrase			Practice Plan: Instruct student to find out the repeated phrase or pattern	
						* 2 notes together			As written on music	
60	Nil					Nil			Interval training	
61	Nil					* Mind involvement		Trombones	Practice Plan: instruct student to write the practice plan	
						* Fingering			Practice Plan: say the finger number when student play on the keyboard cover	
						* Phrase			As written on music. You be the Judge: Question to student whether he or she hears the legato phrases	
						* Hands play alternatively			As written on music	
						* Hands play together				
						* Dynamics (f)				
						* Listening skill			You be the Judge: question to student whether he or she could hear the f sounds, legato phrases and steady beat	
						* Legato			You be the Judge: Question to student whether he or she hears the legato phrase	
62	Nil					* Mind involvement		Fuzzy Caterpillar	Practice Plan: instruct student to write the practice plan	
						* Fingering			Practice Plan: say the finger number when student play on the keyboard cover	
						* Phrase			As written on music	
						* RH only				
						* LH only				
						* Dynamics (p)				
63	Nil					* Fingering		Legato Warm Up	Legato Warm up: instruct student to sing the finger numbers when he or she play on keyboard cover	
						* Legato			Legato Warm Up: remind student play legato with firm, rounded finger	
						* Firm fingers				
						* Curved finger tips				
						* Phrase			As written on music. Legato Warm Up: remind student to end the phrase	
						* Hands play alternatively			As written on music	
						* RH only		Interval Safari: Cuckoo Bird	Instruct play with RH	
64	Nil					Nil			Key alphabets and rhythm training	
65	Nil					Nil			Musicianship training	
66	Nil					* Dynamics (f, p)		Dancing Letters	Improvisation. Instruct student to make a song with legato, p and f	
						* legato				
67	Nil					* Mind involvement		Cuckoo Bird Concert	Practice Plan: instruct student to write the practice plan	
						* Fingering			Practice Plan: Instruct student to say the finger number when student plays on the keyboard cover	
						* Phrase			As written on music. Practice Plan: request student to write the practice plan of phrase	
						* Dynamics (p)			As written on music	
						* Hands play alternatively				
						* 2 notes together				
68	Nil					* Fingering		Finger Warm-ups	Finger Warm-ups: instruct student to say the finger number when he or she play on the keyboard cover	
						* Legato			Finger Warm-ups: remind student to play legato	
						* Phrase			As written on music. Finger Warm-ups: remind student to end each	
						* Hands play alternatively			As written on music	
69	Nil					* Mind involvement		Toy Soldier March	Practice Plan: instruct student to write the practice plan of phrase	

Celebrate Piano 1A (2003)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
							* Dynamics (f)				As written on music. Practice Plan: question about the dynamic marking
							* Phrase				As written on music
							* Hands play alternatively				
							* Legato				You be the Judge: Ask student whether he or she hear the legato phrase
							* Listening skill				You be the Judge: Ask student whether he or she hears the legato and steady beat
70	Nil						Nil				Rhythms training
71	Nil						* Mind involvement				Practice Plan: instruct student to write the practice plan
							* Dynamics (f, p)				As written on music. Practice Plan: question about the dynamic marking
							* Phrase				As written on music
							* Hands play alternatively				
72	Nil						* Mind involvement			Whole-note Cheer	Practice Plan: instruct student to write the practice plan of phrase
							* Hands play alternatively				
							* Hands play together				As written on music. Practice Plan: instruct student to circle the measure of hands play together
							* Phrase				As written on music. You be the Judge: question to student whether he or she hear the phrases
							* Dynamics (f)				As written on music. You be the Judge: question to student whether he or she hear the f sound
							* Legato				You be the Judge: question to student whether he or she hear the legato sound
							* Listening skill				You be the Judge: question to student whether he or she could hear the f sound, legato and phrases
							* 2 notes together				As written on music
73	Nil						* Mind involvement			Old MacDonald	Practice Plan: instruct student to write all the practice plan
							* Hands play alternatively				As written on music
							* Dynamics (f)				
74	Nil						* Hands play alternatively			Interval Dance	As written on music
							* 2 notes together				
75	Nil						Nil				Rhythm training
76	Nil						Nil				Musicianship training
77	Nil						Nil				Musicianship training
78-79	Nil						* Mind involvement			The Echo Song	Practice Plan: instruct student to write all the practice plan
							* Phrase				As written on music
							* Hands play alternatively				
							* Hands play together				
							* Dynamics (f, p)				
Summary											Remarks
Total pages	77	10	3	1	3	0	6		6	10	Total pages containing given parameter
Percent (pages)		13% of total pages	30%	10%	30%	0%	60%		60%	100%	Percent of total pages with new elements
Total technique elements		19	4	2	3	0	11		8	17	Total no. of new technique elements introduced
Percent (elements)			21%	11%	16%	0%	58%		42%	89%	Percent of total new elements
Summary for the first 40 pages											
Total pages	40	9	2	1	3	0	6		5	9	Total pages containing given parameter
Percent (pages)		33% of the first 40 pages	22%	11%	33%	0%	67%		56%	100%	Percent of total pages with new elements

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	Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
			Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
	3	Sit Tall			*		*			*		Question to student about sitting tall and staying relax
		Relax					*			*		
		Wrists level			*		*			*		Question to student about the wrist and elbows level with the keys of the piano
		Elbows level			*		*			*		
		Curved fingers	*		*					*		Arm hang relaxed to get the hand stay gently curved
		Fingers relax	*		*					*		
		Arm relax	*		*					*		Arm hang relaxed
	4	Nil									Feel the Beat	Introducing the rhythm in music
	5	Move freely			*		*			*	Take a look	Instruct student to play the black keys way down low and way up high
	6	Fingering	*		*					*	Finger numbers	Introducing the finger number
	7	1st joint of finger	*		*					*		Instruct student to put the thumbs behind the first joint of the third fingers to play the two black keys
					*		Curved fingers				The Piano Keyboard	Instruct student to play two black keys from low end of the keyboard an play higher
								*			Move freely	As written on music
	8	Hands play alternatively			*		*			*	Climbing Up	As written on music
					*		Curved fingers					Instruct student to play black key with the third finger. The picture shows the curved third finger
					*		1st joint					Thumb put on the first joint of third finger as shown in picture
								*			Move freely	As written on music
	9	Nil						*			Movely freely	As written on music
								*			Hands play alternatively	
	10	Nil									My Own Song	Musicianship training
	11	3 notes together	*		*					*	Three Black Keys	Instruct student play the groups of three keys with fingers 2-3-4
		LH only								*		Play down the keyboard with LH
		RH only								*		Play up the keyboard with RH
								*			Move freely	As written on music
	12	Nil						*			LH only	As written on music
	13	Nil						*			RH only	As written on music
	14-15	Nil						*			Hands play alternatively	Merrily We're Off to Sch
								*			Three notes together	As written on music
	16	Nil						*			Hands play alternatively	My Best Friend
	17	Nil						*			3 notes together	I Can Do It!
								*			Hands play alternatively	
	18-19	Nil						*			Hands play alternatively	Let's Get Silly!
	20	Nil						*			Hands play alternatively	Night Shadows
	21	Nil			*		Curved fingers					Alphabet Soup
					*						1st joint	Picture shows the thumb behinds the 1st joint of 3rd finger and the 3rd finger is curved
								*			Move freely	As written on music
	22	Nil						*			RH ony	CDE Groups
								*			Move freely	Use 2-3-4 play the keys going up the keyboard
	23	Nil										Musicianship training: improvisation
	24	Dynamics (p)	*						*	*	Balloon Ride	Only explains the meaning of p without mentions how to make soft sound
								*			Hands play alternatively	As written on music
	25	Dynamics (f)	*						*	*	Party Cat	Only explains the meaning of f without mentions how to make loud sound
								*			Hands play alternatively	As written on music
	26	Nil									LH only	Introducing the FGAB group on white keys

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	Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
			Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
							Move freely					Use 4-3-2-1 play the keys going up the keyboard
27	Nil									My Own Song On FGAB		Musicianship training: improvisation
28	Nil						* Dynamics (p) * Hands play alternatively			Undersea Voyage		As written on music
29	Nil						* Dynamics (f) * Hands play alternatively * 3 notes together			Taxi Tangle		As written on music
30	Nil						* Dynamics (f) * Hands play alternatively			Sea C Song		As written on music
31	Nil						* Dynamics (p) * Hands play alternatively			Rain, Rain, Go Away		As written on music
32	Nil						* Dynamics (f, p) * Hands play alternatively			Dakota Melody		As written on music
33	Nil						* Dynamics (f) * Hands play alternatively			Knock-Knock Joke		As written on music
34-35	Nil						* Dynamics (f) * Hands play alternatively			Old MacDonald Had a B		As written on music
36	Nil									Lines and Spaces		Introducing the line and space on staves
37	Nil						* LH only					Introducing the notes step up/down and repeat
38	Nil						* Dynamics (f) * LH only			Hide and Seek		Introducing the bass clef sign and note reading
39	Nil						* Dynamics (f) * LH only			(Student put the name on		As written on music
40	Nil						* Dynamics (f) * RH only			Oh, Gee (G)		Introducing the treble clef sign and note reading
41	Nil						* Dynamics (f) * RH only			Hopscotch		As written on music
42	Nil									The grand staff		Introducing the grand staff and note reading in the middle position
43	Nil						* Dynamics (f) * Hands play alternatively			My Best Friend		As written on music
44	Nil						* Dynamics (f) * Hands play alternatively			Tambourine Tune		As written on music
45	Nil						* Dynamics (f) * Hands play alternatively			Once A Man Was So So M		As written on music
46-47	Dynamics (mf)		*					*	*	Long, Long Ago		Explains the meaning of the sign mf and mp without mentons how to make mf and mp sound
	Dynamics (mp)		*					*	*			
							* Hands play alternatively					As written on music
48-49	Nil						* Dynamics (mf, mp) * Hands play alternatively			Nobody Knows the troub		As written on music
50	Nil									Skips (3rd)		Introducing the skip notes
51	Nil						* Dynamics (mf) * Hands play alternatively			Surprise Symphony		As written on music
52	Nil						* Dynamics (f) * Hands play alternatively			Skateboard Doodle		As written on music
53	Nil						* Dynamics (f) * Hands play alternatively			Let Me Fly!		As written on music
54	Nil						* Dynamics (f) * Hands play alternatively			Star Quest		As written on music
55	Nil						* Dynamics (mf, f, p) * Hands play alternatively			Solemn Event		As written on music
56	Nil						* Dynamics (mf) * Hands play alternatively			I Like You!		As written on music
57	Nil						* Dynamics (mf) * Hands play alternatively			Just Being Me!		As written on music
58	Nil						* Dynamics (f) * Hands play alternatively			Trumpet Man		As written on music
59	Nil						* Dynamics (mf)			Scottish Air		As written on music

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	Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
			Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
	60-61	Nil					*	Hands play alternatively				
							*	Dynamics (mf, mp)			Pirates of the Sea	As written on music
							*	Hands play alternatively				
	62-63	Nil					*	Dynamics (f, mp)			Go for the Gold	As written on music
							*	Hands play alternatively				
Summary											Remark	
Total pages	61	10	8	0	6	0	4		4	10		Total pages containing given parameter
Percent (pages)		16% of total pages	80%	0%	60%	0%	40%		40%	100%		Percent of total pages with new technique elements
Total technique elements		18	10	0	16	0	8		5	18		Total no. of new technique elements introduced
Percent (elements)			56%	0%	89%	0%	44%		28%	100%		Percent of total new technique elements
Summary for the first 40 pages												
Total pages	40	8	6	0	6	0	4		2	8		Total pages containing given parameter
Percent (pages)		20% of the first 40 pages	75%	0%	75%	0%	50%		25%	100%		Percent of total pages with new technique elements

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
3	Arms hang naturally	*	*						*	Musical fitness plan (with warm ups)	Song Grandfather's Clock: Pretending as a clock and use arm weight
	Hands hang naturally	*							*		Song Long Shadow: Feel the arm weight shifts in fingers
	Curved fingers	*							*		Song Locomotion: wrist bounce light on repeated notes
	Arm weight	*							*		Like train cars on a track, travels from one note to the next.
	Tone quality	*						*			Use arm weight for beautiful tone
	Feel the arm weight	*							*		Feel the weight shifts from three fingers to one finger in the song Long Shadows
	Mind involvement					*		*	*		Instruct student to feel and to pretend. The use of analogy to stimulate student's thinking. Pretending as a clock using whole arm weight when playing
	Wrist bounce	*							*		Wrist bounce light for the repeated notes in the song Locomotion
	Release arm weight	*							*		Release weight on rest
	Fingers close to keys	*	*						*		Keep fingers on keys during the rest as to ready for the next notes. Use analogy of train that the train will stay on its track.
	2 notes together					*			*		As printed on music
	3 notes together					*			*		
	RH only					*			*		
LH only					*			*			
4	Nil					*	Hands play alternatively			Grandfather's Clock	As written on music
						*	3 notes together				
5	Nil					*	Hands play alternatively			Long Shadows	As written on music
						*	3 notes together				
6						*	Hands play alternatively				As written on music
7	Use of thumb (outside tip)	*		*					*	Musical fitness plan (With warm Ups)	
		*					Arm weight				Let the arm follow the fingers to create beautiful tone
		*					Beautiful tone				Use whole arm weight when play each key
	Dynamics (f)	*	*					*	*		Use the weight principle, press the key to the bottom with arm weight for playing forte, lesser weight for playing piano to create louder/Use analogy monster groans with soft voice and loud voice and the analogy of young girl leans her step as she
	Dynamics (p)	*	*					*	*		
						*	LH only				As written on music
8	Nil					*	Hands play alternatively			The Attic Stairs	As written on music
		*					Curved finger tip (3rd finger)				Use thumb behind the first joint of 3rd finger. Awareness of the first joint
9	Nil					*	Dynamics (f)			Look at Me	As written on music
						*	RH only				
10						*	Dynamics (f, p)			Monster Under My Bed	As written on music
						*	LH only				
11	Arched hand	*	*						*	Musical Fitness Plan (with w	Play from the bridge of hand with each finger. Use analogy that student raise the hands and wave to teacher with the fingers. Notice how the fingers move from the knuckles (bridge).
		*					Fingers close to keys				Explain finger rebound and come to rest on the key
						*	Mind involvement				Check list for the concepts learned
						*	Dynamics (f, p)				Check list for forte and piano
	Connected tone (Legato)	*	*						*	*	Pass the sound smoothly from finger to finger and hand to hand. Analogy: Inhale and exhale slowly to notice the breath flows smoothly in and out without a pause. A juggler tosses a ball from hand to hand with equal motion
Detached tones (Staccato)	*	*						*	*	Release the key as soon as played it and let the wrist bounce lightly. Finger rebounds and comes to rest on the key. Analogy: imitate the sound of pop corn	

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
	Listening skill	*						*			Listen carefully for the space between each tone in staccato playing
		*				Wrist movement (bounce lightly)					Instruct to bounce the wrist light for detach tone
12	Nil					* Dynamics (p)			Breathe Easy		As written on music
						* Hands play alternatively					
13	Nil					* Dynamics (f)			Playing Catch		As written on music
						* Hands play alternatively					
14	Nil					* Dynamics (f)			Popcorn		As written on music
						* Hands play alternatively					
15	Nil					* Hand position general			Musical fitness plan (with Warm ups)		Checklist to review the skill and remind student focus the skill on learning new ones
						* Arm weight					Use arm weight for beautiful tone
						* Tone quality					Checklist to remind the skills
						* Fingers close to keys on rest signs					
						* Dynamics (f, p)					
						* Legato (Connected Tones)					
						* Mind involvement					Checklist for the concept learned and analogy used to stimulate thinking
						* Staccato (Detached Tones)					In checklist list
	Balance between hands	*	*					*	*		Balance the sound from one hand to another hand. Analogy: transfer body weight from one leg to the other similar to step gracefully on a balance beam, a gymnast smoothly transfers body weight from one leg to the other or skater glides shifting weight from one foot to other
16	Nil					* LH only			Hot Sand Hop		Sign on music
						* Dynamics (f)					
17	Nil					* Dynamics (p)			Molding Clay		
						* LH only					
18	Nil					* Dynamics (p)			Sneaky Footsteps		
						* RH only					
19	Nil					* Dynamics (f)			Fingerpainting		
						* RH only					
20	Nil					* Dynamics (p)			On The Balance Beam		
						* Hands play alternatively					
21	Nil					* Dynamics (p)			Star to Star		
						* Hands play alternatively					
22						* Hand position (general)			Musical Fitness Plan (with warm ups)		Checklist: review the skills
						* Arm weight					
						* Tone quality					
						* Dynamics (f, p)					
		*				* Connected Tones (legato)					
		*				* Detached tones (staccato)		*	*		Instruct student use medium arm weight to press the key to the bottom of the key bed
	Dynamics (mf)	*									Check list for concept learned
		*	*			Wrist bounce					Wrist bounce lightly on the first note then lean firmly into the next note in syncopation. Analogy: wrist bounce like ping-pong ball on repeated note pattern
		*				Listening skill					Listen to the mf sound created in making mf sound
23	Nil					* Hands play alternatively			Who Could It Be?		As written on music
						* Dynamics (f, p)					
24-25	Nil					* Dynamics (f)					As written on music
						* Hands play alternatively					
26	Nil					* Dynamics (mf)			On My Way		As written on music
						* Hands play alternatively					
27						* Hand position (general)			Musical fitness plan (with Warm ups)		Check list to review the skills. Remind student use arm weight to create forte sound. Analogy: gilding around curves on a slippery waterslide by passing the sound smoothly from finger to finger for the legato skill
						* Tone quality					
						* Arm weight					
		*				* Dynamics (f, mf, p)					
			*			* Connected tone (Legato)					
						* Detached tones (staccato)					
		*				Wrist bounce					Wrist bounce lightly on each key and listen to the space between

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
	Dynamics (mp)	*						*			
						*	Mind involvement				Check list for the concept learned. Analogy used
		*					Listening skill				Listen to the mp sound created in making mp sound. Listen to space between while wrist bounce
	Forearm movement	*	*						*		Let the arm follow the movement of fingers from side to side. Analogy: feels the sway gently in a hammock
28	Nil					*	Dynamics (mp)			Dreaming and Driftin	As written on music
						*	Hands play alternatively				
29	Nil					*	Dynamics (mf)			Happy Heart	As written on music
						*	Hands play alternatively				
30-31	Nil					*	Dynamics (mf, mp, p)			Waterslide	As written on music
						*	Hands play alternatively				
32	Nil					*	Dynamics (f)			Ready To Go	As written on music
						*	Hands play alternatively				
Summary											Remarks
Total pages	30	6	6	6	1	0	1		5	5	Total pages containing given parameter
Percent (pages)		20% of total pages	100%	100%	17%	0%	17%		83%	83%	Percent of total pages with new technique elements
Total technique elements		25	20	6	1	0	5		10	23	Total no. of new technique elements introduced
Percent (elements)			80%	24%	4%	0%	20%		40%	92%	Percent of total new technique elements

Music for Piano Book 1 Revised (2006)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
2	Fingering					*		*		Up and Down	Instruct student to sing the finger numbers and play in the air, play on arm and play on keyboard. Melody pattern picture and keyboard picture provided as a guide to show which finger and keys to be played
	RH only			*		*		*			Use the correct hand to figure out the number on keyboard. A keyboard picture provide to show which keys to be played
	LH only			*		*		*			
	Five finger position (C position)			*				*			Keyboard picture show the keys to be played in different position. No explanation it is a C and G major
	Five finger position (G position)			*				*			
3	Nil						Fingering			Skips	Instruct student to shape the melody pattern in the air and sing the finger numbers, sing the numbers when playing on keyboard. Melody pattern picture and key board picture with finger number provided as a guide
	Five finger position (F# major)			*					*		Keyboard picture shows the keys to be played
				*			Five finger position (G major)				Keyboard picture shows the key to be played
				*		*	LH only				Use the correct hand to figure out the number on keyboard. A keyboard picture provided to show which keys to be played
				*		*	RH only				
4	Five finger position (A major)			*				*		Skips and steps	Keyboard picture shows the key to be played without explanation
				*			Five finger position (G major)				Keyboard picture shows the key to be played without explanation
				*		*	Fingering				Instruct student to sing the finger numbers and play in the air, play on keyboard. Melody pattern picture and keyboard picture provided as a guide to show which finger and keys to be played
				*		*	RH only				Keyboard picture provided to show which keys to be played. RH and LH melody pattern provided
				*		*	LH only				
5	Five finger position (D major)			*				*		Swinging	
				*		*	Fingering				Instruct student to sing and shape the melody pattern in the air and on keyboard. Melody pattern picture and keyboard pictures provided
	Swing					*		*			Feel the swing of the melody when sing the finger number and play on keyboard
				*		*	RH only				Keyboard picture provided to show which keys to be played. RH and LH melody pattern provided
				*		*	LH only				
6	Five finger position (F major)			*				*		Old Woman	Keyboard picture shows the key to be played in F position without explanation
				*			Five finger position (G major)				Keyboard picture shows the key to be played in G position without explanation
				*		*	Fingering				Instruct student to sing finger numbers and shape the melody pattern in the air and on keyboard. Melody pattern picture and keyboard pictures provided as a guide to show which fingers and keys to be played
				*		*	RH only				Keyboard picture provided to show which keys to be played. RH and LH melody pattern provided
				*		*	LH only				
7	Nil			*		*	Fingering			Old Man	Instruct student to sing the finger numbers and play in the air, play on arm and play on keyboard. Melody pattern picture and keyboard picture provided as a guide to show which finger and keys to be played
				*		*	RH only				Keyboard picture provided to show which keys to be played. RH and LH

Music for Piano Book 1 Revised (2006)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	* Cartoon Drawing	Photo	* Others		Musical development	Biomechanical development		
				*		*	LH only				melody pattern provided
				*			Five finger position (C & Db major)				Keyboard pictures show the position of C and Db major without explanation
8	Move freely					*			*	The Grand Staff	Play all the A, B, C keys on keyboard
9	Nil					*	RH only			Skips	As written on music
10	Nil					*	LH only			Swinging/Up and Down	As written on music
						*	RH only				
						*	Swing				Swing the hand while playing
11	Nil					*	Five finger position (F# major, Gb major)				Keyboard pictures shows the keys of F# and Gb major
						*	RH only				As written on music
12						*	Five finger position (D major)			Skips and Steps/Skips and Steps (Variation)	As written on music. No explanation
	Hands play alternatively					*			*		As written on music
	Five finger position (Eb major)					*			*		Transpose the D major to Eb major and E major
	Five finger position (E major)					*			*		
13	Nil					*	Five finger position (F major, G major, Gb major)			Old Woman/Old Woman (Variation)	Transpose F major to G major and Gb major
						*	Hands play alternatively				As written on music
14	Nil			*		*	Five finger position (F major)			Come and Join Me	As written on music. Keyboard shows the keys to be played in F major position
						*	Hands play alternatively				
						*	Hands play together				
15	Nil			*		*	Five finger position (D major, Db major and Eb major)			Come and Join me	Keyboard picture shows the keys to be played in D major. Written in D major and instruct student to transpose it to Db and Eb major
						*	Hands play alternatively				As written on music
						*	Hands play together				
16	Nil					*	Five finger position (C major, F major, E major and G major)			Tinker/Stop and go	Music written in C major and F major, instruct student to transpose to E and G major
						*	Hands play alternatively				As written on music
17	Accent	*		*				*	*	Bouncing/Playing together	Make a note a little louder than other
	Parallel motion					*			*		As written on music
						*	Five finger position (F# major and G major)				Music written in F# major and G major. Instruct student transpose from F# major to G major
						*	Hands play alternatively				As written on music
18	Dynamics (mf)					*		*	*		Explain the meaning of mf and f but without explaining how to get it
	Dynamics (f)					*		*	*		
						*	Five finger position (C major)				As written on music
						*	Hands play alternatively				As written on music
19	Nil					*	Dynamics (mf, f)				As written on music
						*	Hands play alternatively				
						*	Five finger position (D major)				
20	Dynamics (p)					*		*	*	Lightly Row/Song	As written on music
	Five finger position (Db major)					*		*	*		Instruct student transpose the music to Db major without showing the position of Db major
						*	Dynamics (f)				As written on music
21	Slurs					*		*	*	Waltz Melody/Puzzle Song	The sign is on music without explanation
	Crescendo					*		*	*		
	Dynamics (mp)					*		*	*		
						*	Dynamics (f, p)				As written on music
						*	Hands play alternatively				
						*	Hands play together				
22	Phrasing	*					Five finger position (E & C major)		*	Casey Jones/Variation	The curved lines called slur and it show the phrase of music

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
	Decrescendo	*						*	*		Explain the sign decrescendo and crescendo as well
		*					Crescendo				
						*	Dynamics (f, p)				As written on music
						*	Hands play alternatively				
						*	Five finger position (F & D major)				
23	Nil						Nil			Question and Answer	Theory: introducing question and answer
24	Five finger position (pentatonic)					*			*	Pentatonic Duet	It mentions the music is in pentatonic scale
						*	Dynamics (p)				As written on music
						*	Crescendo				
						*	Decrescendo				
						*	Hands play alternatively				
25	Nil					*	Phrasing			Ancient Dance	As written on music
						*	Dynamics (p, mf)				
						*	Crescendo				
						*	Decrescendo				
						*	Hands play together				
						*	Five finger position (F major)				
26	Staccato	*	*					*	*	Lightly Hop/Staccato Study	Explain the term. Instruct student to use down-up wrist motion to play each note
	Wrist (down-up) motion	*							*		
						*	Parallel motion				As written on music
						*	Dynamics (p, mp, mf, f)				
						*	Crescendo				
						*	Decrescendo				
						*	Hands play together				
						*	Hands play alternatively				
						*	Five finger position (C & D major)				As written on music
27	Triad (3 notes together)					*			*		Solid and broken chord in different keys
						*	Move freely (cross hand)				As written on music
						*	Five finger position (C major, F major, G major, D major, E major and A major)				
						*	Hands play alternatively				
28	Nil					*	Phrasing			Etude	As written on music
						*	Dynamics (p, mp)				
						*	Crescendo				
						*	Decrescendo				
						*	Triad (3 notes together)				
						*	Five finger position (F, G major and Gb major)				Written in F major. Instruct student to transpose to G and Gb major
						*	Hands play together				As written on music
29	Five finger position (Bb major)					*			*		As written on music
	Five finger position (B major)					*			*		
	Five finger position (Ab major)					*			*		
						*	Triad (3 notes together)				As written on music
						*	Five finger position (Db major, Eb major, Gb major)				
						*	Hands play alternatively				
30	Nil					*	Five finger position (C major, Db and D major)			March	Written in C major and instruct student to transpose to Db and D major
						*	Hands play together				As written on music
						*	Phrasing				
						*	Triad (3 notes together)				
31	Nil					*	Phrasing			Sailing/Submarine	As written on music
						*	Triad (3 notes together)				

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
						*	Crescendo				
						*	Decrescendo				
						*	Dynamics (f, p)				
						*	Hands play together				
						*	Five finger position (D, C, Eb, E, Db major)				Written in D and C major and instruct student to transpose to Eb, E, Db and D major)
32	Nil					*	Five finger position (F major)			Dotted notes	As written on music
						*	Hands play together				
						*	Triad (3 notes together)				
33		*					Staccato			Tip Toes	Explain the term how to make the sound and the motion to be made in each note
		*					Wrist "down-up" pecking motion				
						*	Dynamics (f, p)				As written on music
						*	crescendo				
						*	Five finger position (Db major, Dmajor, C major)				
						*	Hands play together		*		
						*	Triad (3 notes together)				
34	Nil					*	Phrasing			Looby Loo	As written on music
						*	Hands play together				
						*	Five finger position (D major)				
						*	Dynamics (f, mp, p)				
						*	Triad (3 notes together)				
35	Nil					*	Phrasing			Row, Row, Row your Heart	As written on music
						*	crescendo				
						*	Decrescendo				
						*	Staccato				
						*	Triad (3 notes together)				
						*	Hands play together				
						*	Five finger position (C major, D major, E major)				As written on music in C major. Instruct student to transpose to D and E major
36	Dynamics (pp)					*	Phrasing	*	*	Contrasts	As written on music
						*	Dynamics (f, p)				
						*	Hands play together				
						*	Triad (3 notes together)				
						*	Five finger position (Db major, C major, B major)				Music written in Db major. Instruct student transpose to C and B major
37	Nil					*	Phrasing			Jingle Bells	As written on music
						*	Hands play together				
						*	Five finger position (F major)				
						*	Dynamics (f)				
38	2 notes slur					*		*	*	Stately Dance	Instruct student to play with down-up motion on LH 2 notes slur sequence
	2 notes together					*			*		2 notes in music
						*	Wrist (down-up motion)				Instruct student play the down-up motion on LH
						*	Phrasing				As written on music
						*	Five finger position (Eb, E and F major)				Music written in Eb major. Instruct student transpose to E and F major
						*	Hands play together				As written on music
39	Nil					*	Phrasing			Twinkle, Twinkle	As written on music
						*	Crescendo				
						*	Dynamics (p, mp, f)		*		
40	Five finger position (d min)	*				*			*	Relative Major and Minor	Explain the relative relationship between major and minor
						*	Phrasing				As written on music
						*	Dynamics (mp, mf)				
						*	Five finger position (F major)				
						*	Hands play alternatively				
						*	Hands play together				

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments	
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development			
41	Nil					*	Five finger position (D major, d minor)			Lullaby	As written on music	
						*	Phrasing					
						*	Hands play together					
						*	Triad (3 notes together)					
						*	Decrescendo					
						*	Dynamics (p, pp)					
42	Five finger position (A minor)					*			*	Surprises/Goblins	It shows the piece is in A minor	
	Five finger position (G minor)					*			*		instruct student transpose to G minor without showing the keys of G minor	
						*	Accents				As written on music	
						*	Dynamics (pp, p, f, ff)					
						*	Phrasing					
						*	Crescendo					
						*	Decrescendo					
						*	Five finger position (d minor)					
						*	Triad (3 notes together)					
						*						
43	Dorian mode	*							*		Explains the piece in Dorian mode uses the white key from D to D	
						*	Fingering			Jig	Try out different fingering and find the best	
						*	Phrasing				As written on music	
						*	Crescendo					
						*	Dynamics (f, ff)					
						*	Hands play together					
44	Balance (between RH/LH)	*							*	*	Concert time/Spring Dance	Explain the "Alberti" bass much softer than the RH melody
	Alberti base					*				*		The music pattern on LH
						*	Phrasing				As written on music	
						*	Hands play together					
						*	Dynamics (pp, mp, mf)					
						*	Staccato					
						*	Crescendo					
						*	Decrescendo					
						*	Five finger position (C major, F major)					
						*	Triad (3 notes together)					
45	Nil					*	Pentatonic scales			Tribal Dance	As written on music	
						*	Phrasing					
						*	Dynamics (f, mp, p, pp)					
						*	Crescendo					
						*	Decrescendo					
						*	2 notes together					
46-47	Dynamics (ppp)					*			*	*	Parade	The ppp sign in music, no
						*	2 notes together				As written on music	
						*	Phrasing					
						*	Dynamics (ppp, pp, mp, p, mf, f)					
						*	Crescendo					
						*	Decrescendo					
						*	Staccato					
						*	Hands play together					
48	Nil					*	Five finger position (G major)			Achievement test	As written on music	
						*	RH only					
Summary											Remarks	
Total pages	47	25	7	1	6	0	16		10	25		Total pages containing given parameter
Percent (pages)		53% of total pages	28%	4%	25%	0%	67%		42%	100%		Percent of total pages with new technique elements

Music for Piano Book 1 Revised (2006)												
	Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
			Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
Total new technique elements		43	9	1	9	0	24		13	42		Total no. of new technique elements introduced
Percent (elements)			21%	2%	21%	0%	57%		31%	98%		Percent of total new technique elements
Summary for the first 40 pages												
Total pages	40	20	5	1	7	0	12		7	20		Total pages containing given parameter
Percent (pages)		50% of the first 40 pages	25%	5%	35%	0%	60%		35%	100%		Percent of total pages with new technique elements

Music for Piano Finger Builders Book 1 Revised (2007)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
2	Feel the weight in fingertips	*						*	Finger Builder 1	Instruct student use curved finger and feel the weight in fingertips	
	Curved fingers	*						*		As indicated in the keyboard picture to use RH and LH	
	RH only			*		*		*		As indicated in the keyboard picture to use RH and LH	
	LH only			*		*		*		No need to lift the fingers off the	
3	Finger close to key	*						*	Finger Builder 2	Pull slightly as student plays the note	
	Pull up slightly (finger)	*						*		Instruct student to think the firm fingers	
	Firm fingers	*						*		Remind student to use curved fingers	
						*	Curved fingers			As indicated in the keyboard picture to use RH and LH	
4	Nil					*	Curved fingers		Finger Builder 3	A checklist to remind student to use curved and firm fingers	
						*	Firm fingers			A checklist to remind student to feel the weight in fingertips	
						*	Feel the weight in fingertips			A checklist to remind student to feel pulling fingers towards oneself	
						*	Pull up slight			As indicated in the keyboard picture to use RH and LH	
5	Nil					*	Curved fingers		Finger Builder 4	Remind student to use curved and firm fingers	
						*	Firm fingers			Remind student to feel the weight in fingertips	
						*	Feel the weight in fingertips			Remind student to pull up towards oneself	
						*	Pull up slight			As indicated in the keyboard picture to use RH and LH	
6	Nil					*	Curved fingers		Finger Builder 5	A checklist to remind student to use curved fingers, feel the weight in fingertips and pull up fingers towards oneself	
						*	Feel the weight in fingertips			As indicated in the keyboard picture to use RH and LH	
						*	Pull up slight				
						*	LH only				
7	Nil					*	Curved fingers		Finger Builder 6	Remind student to curve the fingers and feel the weight in the tips	
						*	Feel the weight in fingertips			As indicated in the keyboard picture to use RH and LH	
						*	LH only				
						*	RH only				
8	Nil					*	Curved fingers		Finger Builder 7	A checklist to remind student to use curved and firm fingers, and to feel the weight in fingertips	
						*	Firm fingers			As indicated in the keyboard picture to use RH and LH	
						*	Feel the weight in fingertips				
						*	LH only				
9	Nil					*	Curved fingers		Finger Builder 8	As indicated in the keyboard picture to use RH and LH	
						*	Feel the weight in fingertips				
						*	LH only				
						*	RH only				
10	Firm Knuckles	*				*	Curved fingers	*	Finger Builder 9	Remind student to curved fingers with firm knuckles	
						*	Feel the weight in fingertips			Remind student to feel the weight in fingertips	
						*	RH only			As indicated in the keyboard picture to use RH and LH	
						*	LH only				
11	Nil					*	Curved fingers		Finger Builder 10	Remind student to curved fingers with firm knuckles and to feel weight in the fingertips	
						*	Firm Knuckles			As indicated in the keyboard picture to use RH and LH	
						*	Feel the weight in fingertips				
						*	LH only				
12	Five fingers pattern (C to F)			*		*		*	Tune Ups (C to F)	Indicated in the keyboard picture without explanation	
	Hands together	*						*		Instruct student to try hands together after few days of hand separate practice. As written on music	
	Dynamics (soft)	*						*		Instruct student to practice all keys with some soft and others a little louder	
	Dynamics (loud)	*						*		As written on music	
13	Parallel motion					*		*	Tune Ups (Gb to B)	Remind student to keep the fingers curved and pull gently as each key is	
						*	Curved fingers			Instruct student play hand separately then hands together	
						*	Pull up slightly				
						*	RH only				
13	Nil					*	Feel the weight in fingertips		Tune Ups (Gb to B)	Remind student to feel the weight in each fingertip as keep the fingers firmly curved	
						*	Curved fingers			As indicated in music and keyboard pictures	
						*	Firm fingers			As written on music	
						*	Hands play together				
				*		Five finger position (Gb to B)					

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
14	Nil						* Parallel motion * Curved fingers * Hands play together			Skips and Steps	Remind student to curve the fingers As written on music and the keyboard pictures shown the positions
				*			* Five finger position (C to F) * Parallel motion				The keyboard pictures show the positions As indicated in music and keyboard
15	Nil						* Hands play together * Five finger position (Gb to B)			Skips and Steps	As written on music The keyboard pictures show the positions
16	Wrist rotation	*					Parallel motion Dynamics (loud & soft)		*	Loud and soft	As written on music Rotate (roll) the wrist to the right as the notes go up and to left as they come down Instruct student to make some soft and other loud
							* Curved fingers * Firm knuckles * Hands play together * Five finger position (C to F) * Parallel motion				Remind student to think the curved fingers and firm knuckles As written on music As written on music As written on music
17	Nil						* Dynamics (loud & soft) * Curved fingers * Firm knuckles * Hands play together * Five finger position (F# to B) * Parallel motion			Loud and Soft	Instruct student to play on loud and the next soft Remind student curve fingers and firm knuckles As written on music
18	Contrary motion	*					* Wrist rotation * Five finger position (C to F) * Hands play together		*	Contrary Motion	Explain the melody line moves in opposite directions Explain the wrist rotate in opposite directions As written on music
19	Nil						* Wrist rotation * Dynamics (loud & soft) * Five finger position (F# to B) * Hands play together * Contrary motion			Contrary Motion	Mention the wrist rotation becomes easier One key loud, the next key soft As written on music
20	Slur						* Slur * Five finger position (C to F) * Hands play together * Parallel motion	*	*	Down-Ups	As written on music without explanation As written on music that the first slur note down and the second slur note up As written on music
	Wrist down-up motion						* Wrist rotation		*		Explain to rotate the wrist in gentle circle as play from the bottom up to the top and back to the bottom
21	Nil						* Slur * Five finger position (F# to B) * Hands play together			Down-Ups	As written on music but no explanation about the slur As written on music
22	Crescendo	*						*	*	Legato Study	Remind the sign (crescendo) means to play get louder and the sign (Diminuendo) means to play get softer
	Diminuendo	*						*	*		In the title of the piece but no explanation about legato means or how to do the legato
	Legato						* Feel the weight in fingertips * Wrist rotation				Remind student to feel the weight Remind student to make circular motion from the bottom note to the top and back to the bottom
							* Five finger position (C to F) * Parallel motion * Hands play together				As written on music
23	Nil						* Crescendo * Diminuendo * Hands play together * Contrary motion * Five finger position (F# to B)			Legato Study	As written on music and instruct student to try reversing the dynamics As written on music
24	Nil						* Five finger position (up to 6 #)			Legato Study	As written on music

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
							*				
							*				
25	Nil						*			Legato Study	
							*				Instruct student to play one key getting louder and the next key getting softer
							*				As written on music
							*				
26	Staccato	*						*	*	Staccato Study	
		*									As written on music. No explanation about the term. Instruct student to move hand but not arm, and say "down-up" when playing each note
											Use hand but not arm to do the down-up motion
							*				As written on music
							*				Instruct student to do the down-up motion each hand alone, then try both hands together
							*				As written on music
27							*			Staccato Study	
							*				As written on music
							*				
							*				
							*				
28	Broken chord						*		*	Broken Chord Study	
	3 notes together						*		*		As written on music. No explanation on broken chord
	Hands play alternatively						*		*		
							*				Instruct student to rotate the wrist lightly from left to right
							*				As written on music
							*				
29							*			Broken Chord Study	
							*				Instruct student to play the music getting louder and softer
							*				As written on music
							*				
							*				
							*				
30	Scale-Tetrachords (up to 6#)	*							*	Major Scale	
							*				Explain the formation of tetrachords that LH plays 4 notes group and RH play 4 notes group. 2 whole steps and 1 half step in each tetrachord
							*				As written on music
31	Nil						*			Major Scale	
							*				As written on music
32	Balance between hands	*						*	*	Loud and Soft Study	
							*				Instruct student to play RH loud, LH soft. Then play LH loud, RH soft
							*				It mentions the exercises combines ideas from legato, staccato, broken chord.
							*				As written in music
							*				
							*				
33							*			Loud and Soft Study	
							*				Instruct student play one hand loud, the other soft
							*				As written on music
							*				
							*				
34	Dynamics (pp)						*	*	*	Chord Tone Study	
							*				As written on music but no explanation about pp and f
							*				The signs cres. And dim. on music without explanation.
							*				As written on music
							*				
							*				
35							*			Chord Tone Study	
							*				Suggest student to try a different way to change the dynamics
							*				As written on music
							*				
							*				

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
36	Nil	*					Crescendo			Louder and Softer	Explain the term crescendo and diminuendo means get louder and get softer. Suggest student to try making cres. and dim. in one hand and the order hand plays softly
		*					Diminuendo				
							* Five finger position (C to F)				As written on music
							* Parellel motion				
							* Hands play together				
37	Nil						* Crescendo			Louder and Softer	Make crescendo in one key and a diminuendo in the next key
							* Diminuendo				
							* Five finger position (F# to B)				As written on music
							* Hands play together				
							* Parellel motion				
38	Nil						* Scale-tetrachords (C to F#)				As written on music
							* Hands play alternatively				
39	Nil						* Scale-tetrachords (up to 6b)				As written on music
							* Hands play alternatively				
40	Minor arpeggio (C to F)						*		*		As written on music. LH cross RH to play a note
	Move freely (cross LH over RH)						*		*		
		*					Pull up slightly (release note)				Instruct student to release each note as play the next note
							* Hands play alternatively				As written on music
41							* Minor arpeggio (F# to B)				As written on music
							* Crescendo				Suggest student to play 2 bars crescendo and 2 bars diminuendo. 4 bars crescendo and 4 bars diminuendo
							* Diminuendo				
							* Move freely				As written on music. LH cross RH
42	2 notes slur	*						*	*		Instruct student to make a "down-up" motion indicated on notes to make the first note of each group a bit louder and the second note slightly softer
							* Wrist Down-up motion				
							* Dynamics (loud & soft)				
							* Hands play together				As written on music
							* Parellel motion				
43							* 2 notes slur			Down-Up Study	As written on music
							* Wrist Down-up motion				Remind student of make a good down up rist motion
							* Hands play together				As written on music
							* Parellel motion				
44							* Wrist rotation			Contrary Motion	Rotate slightly as indicated (in and out) on music
							* Contrary motion				As written on music
							* Firm knuckles				Remind student to keep knuckles firm and fingers on the keys
							* Fingers close to keys				
							* Hands play together				As written on music
45							* Contrary motion			Contrary Motion	As written on music
							* Hands play together				
46							* Scale-tetrachords (C to B)			Major Scales Review	As written on music
							* Hands play alternatively				
47							* Dynamics (loud & soft)			Touch Etude	Suggest student to play various dynamic (loud, soft, crescendo, diminuendo, etc.)
							* Crescendo				
							* Diminuendo				
							* Hands play together				As written on music
							* Parellel motion				
Summary											Remarks
Total pages	46	15	11	0	2	0	8		7	14	Total pages containing given parameter
Percent (pages)		33% of total pages	73%	0%	13%	0%	53%		47%	93%	Percent of total pages with new technique elements
Total technique elements		30	17	0	2	0	13		11	30	Total no. of new technique elements introuced
Percent (elements)			57%	0%	7%	0%	43%		37%	100%	Percent of total new technique elements
Summary for the first 40 pages											
Total pages	40	14	10	0	0	0	8		6	13	Total pages containing given parameter
Percent (pages)		35% of the first 40 pages	71%	0%	0%	0%	57%		43%	93%	Percent of total pages with new technique elements

Music Pathways Discoveries Lesson Book A (1983)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
4	Good Hand Shape	*		*					*		Use Clusters playing to help student to form a good hand shape
	Clusters	*		*					*		Explain line up the fingers and play a cluster
	RH only			*		*			*		A picture of hands that explains left hand is the one forms an "L" for left.
	LH only			*		*			*		RH and LH signs show on keyboard to indicate which hand plays.
	Move freely			*		*			*		Keyboard picture shows to play upward and downward on the keyboard
5	Mind involvement					*		*	*	Playing Clusters	Use questions to student to stimulate thinking
	Listening skill	*						*			Question for student about the sounds going lower or higher or staying in the same place
				*		*	Clusters				Instruct student to keep all five fingers close together in a cluster position. Keyboard picture with 5 dots on keys to show which keys to be played
				*		*	LH only				LH and RH sign on keyboard.
				*		*	RH only				
				*		*	Move freely				Keyboard picture shows to play upward and downward on the keyboard
6	Dynamics (Loud)					*		*	*	Rising/Falling	Instruct student to play quiet and loud sounds
	Dynamics (Quiet)					*		*	*		
				*		*	Clusters				Keyboard picture with 3 dots on keys to show which keys to be played
				*		*	Move freely				Keyboard picture shows to play upward and downward on the keyboard
						*	RH only				LH and RH sign on keyboard.
7	Fingering	*		*					*		Introducing finger number
8	Hands play alternatively					*			*	Happy Beat	LH/RH signs on picture
	2 notes together			*		*			*		Keyboard pictures show which two notes to be played
				*		*	Clusters				Instruct student to place the LH/RH over five white keys as shown in pictures
						*	Good hand shape				Remind student keep a good hand shape
9	Dynamics (f, p)	*						*	*	Dreaming/Thunder/Contrast	
	Hands together			*		*			*		As shown in the pictures
				*		*	Hands play alternatively				As shown in the pictures
				*		*	2 notes together				A picture of keyboard show which two notes to be played
						*	Listening skill				Listen to the f and p sounds
10	Arm feel free	*							*	Mistery/Our Sound	Feel the arm and wrist are free
	Wrist feel free	*							*		
				*		*	2 notes together				Keyboard pictures show which two notes to be played
						*	Good hand shape				Remind student to keep a good hand shape
						*	Hands play alternatively				As show in the piece
						*	Hands play together				
11	Nil			*		*	2 notes together			Bright World	Keyboard pictures show which two keys to be played
						*	Hands play alternatively				RH, LH, f signs on the songs
						*	Dynamics (f)				
12	Nil			*		*	Hands play alternatively			Star-Shine/The Joneses	As shown on the songs. Keyboard picture shows which keys to be played
				*		*	Hands play together				Question ask student to see the notes are played together
						*	Mind involvement				As shown on the songs
13	Nil					*	RH only			Bouncy Rhythm	Instruct student play black keys with finger 3 of RH or LH
						*	LH only				
						*	Dynamics (f)				As written on song
						*	Move freely				Play black keys go upward and downward of the keyboard
14	Legato	*						*	*	Pitcher/Candman!	Instruct student to play smoothly from one key to another

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
				*		*	RH only				Keyboard pictures show which keys to be played by RH and LH. RH, LH and f signs on the song
				*		*	LH only				
						*	Dynamics (f)				
15	Nil			*		*	Hands play alternatively			Steeple Bells	As written on songs. Keyboard picture shows which keys to be played by LH and RH
						*	Dynamics (p)				
16	Nil					*	Legato			Birthday, Shoo-Fly Pie, Gaze	Instruct student to play three songs in legato
						*	Hands play alternatively				As written on songs. Keyboard picture shows which keys to be played by LH and RH
				*		*	RH only				
				*		*	LH only				
						*	Dynamics (p)				
17	Nil					*	Mind involvement			Lazy Ride/Campfire Tale	Question ask student to hear and feel the repeated tones. Remind student to listen to the legato sound
						*	Listening skill				As written on songs. Keyboard picture shows which keys to be played by LH and RH
						*	Dynamics (p)				
				*		*	RH only				
				*		*	LH only				
18	Nil			*		*	Hands play alternatively				As written on songs. Keyboard picture show which keys to be played by LH and RH
						*	Legato				
						*	Dynamics (f, p)				
19	Nil			*		*	Hands play alternatively			My View	As written on songs
						*	Dynamics (f)				
20	Nil					*	Move freely			Ski Lift	Instruct student to play all CDE keys on keyboard
						*	Hands play alternatively				Instruct student to play CDE keys going up on keyboard with LH and RH alternatively
						*	Dynamics (f)				f signs on song
21	Nil					*	Move freely			The Engine	Instruct student to play all FGAB keys going up on keyboard with LH and RH alternatively
						*	Hands play alternatively				f signs on song
						*	Dynamics (f)				
22	Nil			*		*	Hands play alternatively			Queen of Night	Keyboard picture shows which keys to be played by LH and RH
						*	Dynamics (p)				p signs on song
23	Nil			*		*	Hands play alternatively			Yankee Doodle	As written on song. Keyboard picture shows which keys to be played by LH and RH
						*	Dynamics (f)				
24	Nil			*		*	Hands play alternatively			Ladybug	As written on song. Keyboard picture shows which keys to be played by LH and RH
						*	Dynamics (p)				
25	Nil					*	Listening skill			Feeling Line	Instruct student to listen to the legato sound
						*	Legato				Legato from finger to finger and hand to hand
				*		*	Hands play alternatively				As written on song. Keyboard picture shows which keys to be played by LH and RH
				*		*	Dynamics (f)				
26	Nil			*		*	Hands play alternatively			View From the Moon	As written on music. Keyboard picture shows which keys to be played by LH and RH
						*	Dynamics (p)				
27	Nil					*	Move freely			Nil	Introducing the bass/treble clefs. Play all the C on the keyboard
						*	RH only				As written on music
						*	LH only				
28	Nil					*	Hands play alternatively			Fife and Drum/Sleepy Time	As written on music
						*	Dynamics (f, p)				
29	Nil					*	Hands play alternatively			Good Sound/Parade Beat	As written on music
						*	Dynamics (f)				
30	Nil			*		*	Hands play alternatively			Covering Ground/Daily exer	As written on music
						*	Hands play together				Instruct student to play hands together. Keyboard picture shows which keys to be played by LH and RH
						*	2 notes together				As written on music
						*	Dynamics (p)				
31	Nil					*	Hands play alternatively			By Air or Sea?	As written on music
						*	Dynamics (f)				
32	Pedalling					*		*			Instruct student to press the right pedal and hold it
	3 notes together			*		*		*			As shown on songs. Keyboard picture shows which keys to be played by LH and RH
				*		*	Hands play alternatively			Circus Scenes	As written on songs. Keyboard picture shows which keys to be played by LH and RH
						*	Dynamics (p)				

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
						*	Dynamics (f)				played by LH and RH
33	Nil					*	Hands play alternatively			Birthday Song	As written on music
						*	Dynamics (f)				
34	Nil					*	Hands play alternatively			One Color/Good Advice/Col	As written on music
						*	Dynamics (f)				
						*	Dynamics (p)				
						*	Cluster				
35	Nil					*	Hands play alternatively			Indian Echoes/Daily Exercise	As written on music
						*	Legato				Play legato RH and LH in daily exercise
						*	RH only				RH and LH only in daily exercise
						*	LH only				
						*	Dynamics (f, p)				As written on music
36	Nil					*	Hands play alternatively			Rocking Boat/Drifting	As written on music
						*	2 notes together				
						*	Dynamics (p)				
37	Nil					*	Hands play together			Tow Drummers/Watch Out!	As written on music
						*	2 notes together				
						*	Dynamics (f, p)				
38	Nil					*	Hands play alternatively			Bassoon and Flute/Night Song/Daily exercise	As written on music
						*	Dynamics (p)				
						*	Legato				Instruct student to play legato with RH then LH in daily exercise
						*	RH only				
						*	LH only				
39	Nil					*	Listening skill			Neighbors	Instruct student to hear the sound of tie notes are long enough
						*	Hands play alternatively				As written on music
						*	Dynamics (p)				
40	Nil					*	Hands play alternatively			Twilight/Flight	As written on music
						*	Dynamics (f, p)				
41	Nil					*	Hands play alternatively			Change in the Weather	As written on music
						*	Dynamics (p)				
42	Nil					*	Hands play alternatively			Cakewalk!/Daily Exercise	As written on music
						*	Dynamics (f)				
						*	Legato				Instruct student to play legato with RH then LH only in Daily Exercise
						*	LH only				
						*	RH only				
43	Nil					*	Hands play alternatively			Diving Board	As written on music
						*	Dynamics (f)				
44	Nil					*	Listening skill			Hush, Little Baby	Instruct student to listen to the legato sound
						*	Legato				
						*	Hands play alternatively				As written on music
						*	Dynamics (p)				
45	Nil						Nil			The Case of the silent creature	Introducing the rests
46	Nil					*	Hands play alternatively			Call from the Forest/Folk Dance	As written on music
						*	Dynamics (f, p)				
47	Nil					*	Hands play alternatively			At the Concert/Camptown R	As written on music
						*	Hands play together				
						*	Dynamics (f)				
48	Nil					*	Hands play alternatively			Mountain Dance/Daily Exercise	As written on music
						*	Dynamics (f)				
						*	RH				Play legato in RH and LH in Daily Exercise
						*	Legato				
						*	LH				
49	Nil					*	Hands play alternatively			Dance in the Wooden Shoes	As written on music
						*	2 notes together				
						*	Dynamics (f)				
50	Nil					*	Hands play alternatively			Old MacDonald	As written on music
						*	Dynamics (f)				
51	Nil					*	Hands play alternatively			Bright Peak, Dark Valley/Exc	As written on music
						*	Listening skill				Listen to the sound of a 5th
						*	2 notes together				As written on music
						*	Dynamics (f, p)				
52	Nil					*	Hands play alternatively			The Gift/Daily Exercise	As written on music
						*	2 notes together				
						*	Dynamics (p)				
						*	RH only				LH and RH only in Daily Exercise
						*	LH only				
53	Nil					*	Hands play alternatively			Popular Song	As written on music

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			Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
							*	2 notes together				
							*	Hands together				
							*	Dynamics (f)				
	54	Nil					*	Hands play alternatively			Stop and Think/Monkey See, Monkey Do	As written on music
							*	2 notes together				
							*	Dynamics (f, p)				
	55	Nil					*	Hands play alternatively			Desert Shadowns	As written on music
							*	Dynamics (p)				
	56	Nil					*	Hands play alternatively			July Fourths	As written on music
							*	2 notes together				
							*	Dynamics (f, p)				
	57	Nil					*	Hands play alternatively			Message from Outer Space, Stadium March	As written on music
							*	Dynamics (f, p)				
	58	Nil					*	Hands play alternatively			Northern Winger	As written on music
							*	Dynamics (p)				
	59	Staccato	*						*	*	Trampoline/Variety	
							*	Listening skill				Instruct student to listen to the sound of staccato
							*	Hands play alternatively				As written on music
							*	2 notes together				
							*	Dynamics (f)				
	60	Nil					*	Mind involvement			After School/Bear and Bee/I	Instruct student to circle all staccato notes
							*	Staccato				As written on music
							*	Legato				
							*	Hands play together				
							*	Hands play alternatively				
							*	Dynamics (f, p)				
							*	LH only				Instruct student to play the melody by RH and LH seperately
							*	RH only				
	61	Nil					*	Hands play alternatively			Brass Section	As written on music
							*	Hands play together				
							*	2 notes together				
							*	Dynamics (f)				
	62	Nil					*	Hands play alternatively			A Winter Waltz/Song to the Bells/Daily Exercise	As written on music
							*	2 notes together				
							*	Dynamics (f, p)				
							*	LH only				RH and LH play seperately in daily exercise
							*	RH only				
	63	Nil					*	Hands play alternatively			Moon Bound	As written on music
							*	Dynamics (f)				
	64	Nil					*	Staccato			Rock Around Me	As written on music
							*	Hands play alternatively				
							*	Dynamics (f)				
Summary											Remarks	
Total pages	61	10	7	0	5	0	6		6	10		Total pages containing given parameter
Percent (pages)		16% of total pages	70%	0%	50%	0%	60%		60%	100%		Percent of total pages with new technique elements
Total new technique elements		19	9	0	9	0	11		7	18		Total no. of new technique elements introduced
Percent (elements)			47%	0%	47%	0%	53%		37%	95%		Percent of total new technique elements
Summary for the first 40 pages												
Total pages	40	9	6	0	5	0	6		5	9		Total pages containing given parameter
Percent (pages)		23% of the first 40 pages	67%	0%	56%	0%	67%		56%	100%		Percent of total pages with new technique elements

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
4	Sitting distance	*		*					*		Explain how to measure the distance: with arms straight, knuckles should reach the fallboard
	Sit tall/straight	*		*					*		
	Sitting area	*		*					*		Sit front part of the bench
	Sitting height	*		*					*		
	Arm level	*		*					*		Arm should be level with the
	Hand level	*		*					*		
	Relax	*							*		
	Shoulder free	*							*		Shoulders relaxed and easy to take breath
	Mind involvement					*			*		Questions to students for the sitting posture
5	Round hand	*		*					*		Hand forms the letter C for "correct" shape
	Wrist loose	*	*	*					*		Analogy: pretend to shake water drops off the fingertips
						*	Mind involvement				Use analogy, pictures to stimulate student's thinking
6	Fingering	*		*					*		Introducing finger number
7	Strong fingertip					*			*		
	Listening skill					*			*		Instruct student to listen to firm fingertips tap on keyboard lid
						*	Fingering				Game: use flashcard with 1,2,3,4,5 stated
8	Move freely					*			*	The Pecking Rooster	
	Curved finger tips	*	*	*					*		Practice steps: brace the 3rd finger with the thumb and "peck" the white keys
	LH only					*			*		
9	RH only					*			*	The Pecking Hen	
				*			Curved finger tips				Practice steps: brace the 3rd finger with the thumb and "peck" the white keys
						*	Move freely				Play all the white keys upward
10	Nil					*	Move freely			Two Black Ants	Move down to next lower group of 2 black keys
				*			Fingering				Picture indicates the fingers to be used
						*	LH only				As written on music
11	Nil					*	Move freely			Two Blackbirds	Move up to next higher group of 2 black keys
				*			Fingering				Picture indicates the fingers to be used
						*	RH only				As written on music
12	Nil					*	Move freely			Into the Cave	Move up to the next lower group of 3 black keys
				*			Fingering				Picture indicates the fingers to be used
						*	LH only				As written on music
13	Nil					*	Move freely			Three Little Kittens	Move up to the next higher group of 3 black keys
				*			Fingering				Picture indicates the fingers to be used
						*	RH only				As written on music
14	Nil										Introducing the quarter note
15	Hands play alternatively					*			*	The Old Clock	
	2 notes together (one hand)	*							*		
	Pedal			*		*			*		Instruct student to hold the damper pedal and listen to the sound
		*					Listening skill				Listen to the effect of using pedal
16	Hands together					*			*		Instruct student to play hands together
						*	Hands play alternatively			The Walking Song	As written on music
		*					Fingering				Practice steps: Play and say the finger numbers aloud
						*	Mind involvement				Question for student to check the fingers are firm
						*	Firm fingertips (strong fingertip)				Finger Check: question to student to check fingertips firmed
17	Finger independence					*			*	Tightrope Walker	Practice steps: Question to student to balance 4th finger on the fingertip
						*	Mind involvement				Practice steps: Question for student to check the fingers, especially the 4th finger
		*					Fingering				Practice steps: say the fingering
						*	Hands play alternatively				As written on music
18	Nil										Introducing the half note
19	Nil					*	Hands play alternative			The I like Song	As written on music
						*	Fingering				Practice steps: Instruct student to say finger numbers aloud
20	Dynamics (f, p)	*							*	I hear the Echo	Only explain the meaning of the sign f & p, without explain how to do loud or soft
						*	Hands play alternatively				As written on music

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21	Nil					*	Dynamics (f, p)				As written on music
						*	Hands play alternatively				
						*	Curved fingers				Request student to brace 3rd finger
22-23	Nil					*	Dynamics (f, p)			Old MacDonald Had a Song	As written on music
						*	Hands play alternatively				
		*					Fingering				Practice steps: Instruct student to say the finger numbers and play on closed keyboard lid
24	Nil					*	Move freely				As written on music
						*	Curved fingers			Alphabet Warm-up	Instruct student to use the third finger supported by the thumb
						*	Move freely				Instruct student to play all keys start from lowest
25	Nil					*	Hands play alternatively				LH plays lower notes and RH plays higher notes
						*	Move freely			Balloons	As written on music
						*	Dynamics (f)				
26	Nil					*	Hands play alternatively			Merrily We Roll Along	As written on music
						*	Dynamics (f)				
27	Nil					*	Hands play alternatively			The Escalator	As written on music
						*	Dynamics (f)				
						*	Move freely				Practice floating the LH over the RH smoothly
28	Five-fingers position (C position)	*		*					*	C-D-E-F-G March	
						*	Hands play alternatively				As written on music
29	Nil					*	Dynamics (f, p)			Men from Mars	As written on music
						*	Dynamics (f)				
						*	Hands play alternatively				
30	Dynamics (mf)	*					Five-fingers position (C position)	*	*	Ode to Joy	No instruction how to make mf sound
						*	Hands play alternatively				As written under song title
						*	Five-fingers position (C position)				As written on music
						*	Mind involvement				Instruct student to explore different dynamic sound (f, p) and use it in the song
31			*				Dynamics (p, f)			Sea Story	As written on music
							Listening skill				Instruct student to imagine the boat in trouble and listen to teacher's accompaniment with vary in speed and then follow teacher's speed and do it in reverse way
						*	Dynamics (mf)				As written on music
32	Nil					*	Hands play alternatively			Hey, Mr. Half Note Dot!	As written on music
						*	Dynamics (mf)				
33	Nil					*	Hands play alternatively			Alouette	As written on music
						*	Dynamics (mf)				
						*	Five-fingers position (C position)				
34	Nil									Introducing the staff	
35	Nil	*		*			Curved fingers				Introducing the bass/treble clef, brace the finger 3
						*	Hands play alternatively				As written on music
						*	Move freely				
36	Nil					*	Dynamics (f, mf, p)			Middle C March	As written on music
						*	Hands play alternatively				
37	Use of thumb					*			*	A Ten-Second Song	No explanation how to use thumb/fifth finger specially. Only remind student to check the hand shape
	Use of fifth finger					*			*		Instruct student to check the hand shape
						*	Mind involvement				Hand shape check
		*				*	Hand position				As written on music
						*	RH only				
38	Nil					*	Dynamics (f, p)			Driving in the G Clef	As written on music
						*	2 notes together				
						*	RH only				
39	Nil					*	Dynamics (f)			Best Friends	Discovery: be sure to play with a firm fingertip. Question about fingering
						*	Mind involvement				Question about the which fingers play the specific notes
						*	Fingering				Discovery: Remind play with firm fingertip
						*	Firm fingertip				As written on music
						*	Hands play alternatively				
					*	Hands play together					
					*	2 notes together					

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		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
40	Nil					*	Mind involvement			Gorilla in the Tree	Discovery: Question to student to try to play hands together and check the hand shape
						*	Fingering				Question about the fingers on which note
						*	LH only				As written on music
						*	Hands play together				
41	Nil					*	Dynamics (mf)			My Invention	As written on music
						*	Hands play alternatively				Question about the fingers on which notes
						*	Dynamics (mf)				
42	Nil					*	Fingering			March on D-E-F	As written on music
						*	RH only				Question about the fingers on which notes
						*	Dynamics (f, p)				
43	Nil					*	Fingering			Mister Bluebird	Remind student under the song title
						*	Five-finger pattern (C major)				Question about the fingers on which notes
						*	RH only				As written on music
44	Nil					*	Dynamics (f)			The Dance Band	As written on music
						*	Hands play alternatively				Question about the fingers on which notes
						*	Dynamics (mf)				
45	Nil					*	Fingering			Frogs on Logs	As written on music.
						*	RH only				Hopping hand position: hand shift upward
						*	Dynamics (mf)				As written on music
46	Nil					*	Move freely			Let's Play Ball	As written on music
						*	Hands play alternatively				Question about the fingers on which notes
						*	Dynamic (f)				
47	Nil					*	Fingering			Petite Minuet	As written on music
						*	Hands play alternatively				Question about the fingers on which notes
						*	Dynamics (mf)				
48	Nil					*	Fingering			Rodeo	As written on music
						*	Hands play alternatively				Question about the fingers on which notes
						*	Dynamics (mf)				
49	Nil					*	Fingering			Russian Folk Song	As written on music
						*	Hands play alternatively				Question about the fingers on which notes
						*	Dynamics (f, p)				
50-51	Nil					*	Fingering			Come See the Parade!	As written on music
						*	Hands play alternatively				Question about the fingers on which notes
						*	Dynamics (f, mf)				As written on music
52	Nil					*	2 notes together			Hey, Hey, Look at Me!	As written on music
						*	RH only				As written on music
						*	Dynamics (mf)				
53	Nil					*	Fingering			Allegro	As written on music
						*	Hands play alternatively				Question about the fingers on which notes
						*	Hands play together				
54	Nil					*	Dynamics (f, p)			Elephant Ride	As written on music
						*	Fingering				Question about the fingers on which notes
						*	Dynamics (mf)				
55	Nil					*	Pedal			Yankee Doodle	As written on music
						*	Hands play alternatively				Question about the fingers on which notes
						*	Dynamics (f, mf)				
56	Nil	*					Curved fingers			Magic Rhyme for Bass D	Technique check: brace LH finger 3 with the thumb
						*	LH only				As written on music
						*	Dynamics (f, p)				
57	Nil					*	Fingering			A Joke for You	As written on music. Only last note hands together
						*	Hands play alternatively				
						*	Dynamics (f)				
58	Nil					*	Hands play together (last note)			Football Game	As written on music
						*	LH only				Question about the fingers on which notes
					*	Fingering					Picture as a guide to locate the C5 finger scale
					*	Five-fingers position (C position)			As written on music		
					*	Hands play alternatively					
					*	Dynamics (f, mf)					

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		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
59	Nil					*	Dynamics (f, mf)			Octavius the Octopus	As written on music
						*	Curved fingers				Instruct student to brace finger 3 with thumb
						*	LH only				
60-61	Nil					*	Five-finger pattern (C major)			Copy Cat	As written under song title
						*	Hands play alternatively				As written on music
						*	Dynamics (f, p)				
						*	Fingering				Question about the fingers on which notes
62	Nil					*	Hands play alternatively			Grandmother	As written on music
						*	Hands play together				
						*	Dynamics (mf)				
						*	Fingering				Question about the fingers on which notes
						*	2 notes together				As written on music
63	Nil					*	Dynamics (mf)			Nil (introducing musical question & answer)	As written on music
						*	RH only				
64-65	Nil					*	Five-fingers position (C position)			Lemonade Stand	As written under song title
						*	Hands play alternatively				As written on music
						*	Dynamics (mf)				
						*	Fingering				Question about the fingers on which notes
66	Nil					*	Five-fingers position (C position)				As written under song title
						*	Hands play alternatively				As written on music
						*	Dynamics (mf)				
						*	Fingering				Question about the fingers on which notes
67	Nil					*	Pedalling			Bells of Great Britain	Instruct student hold down the damper pedal for special bells effect
						*	Move freely				As written on music
						*	Hands play alternatively				
						*	Listening skill				Creative: Play high on the piano and listen to the bell-like sound
						*	Fingering				Question about the fingers on which notes
68	Nil					*	Hands play alternatively			Come On, Tigers!	As written on music
						*	Hands play together				
						*	Dynamics (mf)				
						*	Fingering				Question about the fingers on which notes
69	Nil					*	Dynamics (mf)			Princess or Monster	As written on music
						*	Hands play alternatively				
70-71	Getting softer and softer					*		*	*	The Bugle Boys	Instruct student to play softer and softer at the end
						*	Five-fingers position (C position)				As written under song title
						*	Hands play alternatively				As written on music
						*	Hands play together				
						*	2 notes together				
				*	Dynamics (f, mf)						
Summary										Remarks	
Total pages	68	15	8	2	5	0	10		5	15	Total pages containing given parameter
Percent (pages)		22% of total pages	53%	13%	33%	0%	67%		33%	100%	Percent of total pages with new technique elements
Total new technique elements		29	16	2	12	0	12		5	27	Total no. of new technique elements introduced
Percent (elements)			55%	7%	41%	0%	41%		17%	93%	Percent of total new technique elements
Summary for the first 40 pages											
Total pages	40	13	8	2	5	0	8		3	13	Total pages containing given parameter
Percent (pages)		33% of the first 40 pages	62%	15%	38%	0%	62%		23%	100%	Percent of total pages with new technique elements

Piano Adventure Primer Technique Book (2011)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
4	Sit straight and tall	*		*					*		
	Sitting area (front part of bench)	*		*					*		
	Body: centre to middle of keyboard	*							*		
	Distance	*		*					*		Explain how to measure the distance that the knuckles of relaxed fists should touch the fallboard
	Curved fingers	*	*	*					*		
	Wrist level	*		*					*		
	Hand position (round hand shape)	*	*	*					*		Use the analogy of blooming flowers that fingers open like the petals of a flower, to curved hand position
Mind involvement					*			*	*	Use analogy, pictures to stimulate thinking	
5	Arm weight	*	*	*					*		To feel the arm weight like heavy wet ropes
	Arm drop	*							*		
	Firm fingertips	*		*					*		Instruct student to press the tip of 2nd finger against the tip of the thumb to make a round "O". Then do the same for other fingers
	Use of thumb	*		*					*		Thumb play on the side tip of the fingernail.
	Relaxation	*									Arm drop and relax on lap
6	Dynamics (soft)					*		*	*	Firming Up my Fingers (LH)	Instruct student to play softly and medium loud tone without explain how to make sound soft or medium
	Dynamics (medium loud)					*		*	*		
	LH only					*		*	*		As written on music
	Fingering					*		*	*		Instruct student to say the finger numbers aloud on closed piano lid
				*		*	Firm fingertips				Technique Secret: Firm fingertips. Do making O's (p.5) with LH as daily warm-up
7	Nil			*		*	Firm fingertips			Firming up my Fingers (RH)	Technique Secret: Firm fingertips. Do making O's (p.5) with RH as daily warm-up
					*	Fingering					Instruct student to say the finger numbers aloud on closed piano lid
		*				Dynamics (soft and medium loud)					Instruct student to say the finger numbers aloud on closed piano lid
8-9	Listening skill					*		*	*	All the Stars are Shining	Artistry Magic: Ask student to listen the sound without explain how to make f and p sound. The dynamic sings on music
	Dynamics (f, p)	*						*	*		Artistry Magic: Instruct student to hold the damper pedal down throughout the piece. No explanation about the pedal
	Pedalling					*		*	*		As written on music
	Hands play alternatively					*		*	*		Instruct student to play fingers together on 3 notes sign
	3 notes together					*		*	*		As written on music
	2 notes together					*	Mind involvement				Questions of artistry & technique: about dynamic and hand position
						*	Rounded hand				
10	Move freely	*						*	*	Merrily I Move Down (for LH alone)	Explain the musical pattern should be recognized and the LH musical pattern moves down the keyboard
			*				Hand position (round hand shape)				Technique Secret: Rounded hand shape. Do blooming flowers as daily warm up
						*	LH only				As written on music
						*	Dynamics (mf)				As written on music
11	Nil		*				Hand position (round hand shape)			Merrily I move Down (for RH alone)	Technique Secret: Rounded hand shape. Do blooming flowers as daily warm up
						*	RH only				As written on music
						*	Move freely				
						*	Dynamics (mf)				
						*	Mind involvement				Question about the use of hand, movement of hand (up or down) and which hand plays
12	Wrist (lift gently at the end)					*		*	*		As stated at the end of music, instruct student to lift gently from the wrist
			*			*	Arm Weight			Basketball Dribble (for LH only)	Technique secret: Arm weight. Do heavy wet ropes as daily warm up
			*			*	Curved fingertips				Brace the 3rd finger with the thumb to form miniature basketball
						*	Mind involvement				Technique secret: Remind student to do Heavy Wet Ropes as daily warm up

Piano Adventure Primer Technique Book (2011)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
						*	LH only				As written on music
						*	Firm fingertips				Remind student to watch and check LH firm fingertips
						*	Dynamics (f)				As written on music
13	Nil		*			*	Arm Weight		Basketball Dribble (for RH only)	Technique secret: Arm weight. Do heavy wet ropes as daily warm up	
			*			*	Curved fingertips			Brace the 3rd finger with the thumb to form miniature basketball	
						*	Firm fingertips			Remind student to watch and check LH firm fingertips	
						*	RH only			As written on music	
						*	Wrist (lift gently at the end)				
						*	Dynamics (f)				
14	Five-finger position (C position)					*		*	Going to the North Pole (RH alone)	The term C 5 fingers scale mentioned and instruct student place RH in the middle of C5 position	
						*	Use of thumb			Technique Secret: Correct thumb position. Do the thumb perch as the daily warm up (p.5)	
						*	Dynamics (mf)			As written on music	
						*	Move freely			Continue the musical pattern beginning different white keys	
						*	RH only			As written on music	
15	Nil					*	Five-finger position		Going to the South Pole (LH alone)	The term C 5 fingers scale mentioned and instruct student place RH in the middle of C5 position	
						*	Use of thumb			Technique Secret: Correct thumb position. Do the thumb perch as the daily warm up (p.5)	
						*	Dynamics (mf)			As written on music	
						*	Move freely			Continue the musical pattern beginning different white keys	
						*	LH only			As written on music	
16	Nil					*	Dynamics (f, p, mf)		A Special Ending for Alouette	Artistry Magic: Question to student about the dynamic marks	
						*	Listening skill (dynamic)			Instruct student of listen	
						*	Move freely			Notice the musical pattern and moves up the keyboard	
						*	Mind involvement			Question to student about the dynamic signs	
						*	RH only			As written on music	
17	Nil		*			*	Hand position (round hand shape)		The Great Cookie Chase	Technique Secret: Round hand shape and do Blooming flowers as daily warm up	
						*	Hands play alternatively			As written on music	
						*	2 notes together				
						*	Dynamics (f)				
18	Nil		*			*	Arm weight		Dance Band Drum	Technique Secret: Arm weight. Do heavy wet ropes as daily warm up	
	Hands play together	*				*	Hands play alternatively	*		As written on music	
						*	Dynamics (mf)			As written on music and remind student play finger 3's together	
						*	Curved finger			As written on music	
19	Nil					*	Dynamics (f, p)		Finger Hops (for RH alone)	Artistry Magic: remind student to play p first and then change from f to p for each pattern. Question at the end to evaluate the dynamic played	
						*	RH only			As written on music	
						*	Firm fingertips			Hints provided: remind student play firm fingertips	
						*	Move freely			Musical pattern moves up	
						*	Mind involvement			Questions about firm fingertips, rounded hand, dynamic (f, p)	
						*	Round hand shape			Question about the hand shape	
20	Nil					*	Dynamics (f, p)		Walking the thumb (for LH)	As written on music	
			*			*	LH only				
						*	Use of thumb			Technique Secret: Correct thumb position. Do the thumb perch as the daily warm up (p.5)	
						*	Move freely			As written on music	
						*	Dynamics (mf)				
21	Nil					*	Dynamics (mf)		Catch Me if You Can!	As written on music	
						*	Hands play alternatively				
						*	Move freely			Artistry Magic: Prepares the next hand position	
						*	Mind involvement			Question to student to prepare for next hand position	
22	Nil		*			*	Round hand shape		Skipping with Checkers (for RH)	Technique Secret: Round hand shape. Do Blooming flowers as daily warm up	

Piano Adventure Primer Technique Book (2011)

Page no.	New technique elements	Type of presentation						Other technique elements involved	Category		Title of song	Comments
		* Explanation in words	Analogy	Cartoon Drawing	Photo	Others	Musical development		Biomechanical development			
		*					Use of thumb				Remind student "play the thumb on the side tip" (as written at the beginning of music)	
						*	Dynamics (mf)				As written on music	
						*	Move freely					
						*	RH only					
23	Nil		*			*	Firm fingertips			Skipping with Checkers (for LH)	Technique Secret: Firm fingertips. Do making O's as daily warm up	
						*	Dynamics (mf, f, p)				As written on music	
						*	Move freely					
						*	LH only					
24-25	Nil					*	Pedalling			Wheels Going 'Round	Instruct student to hold the damper pedal	
						*	Hands play alternatively				As written on music	
						*	Dynamics (f, mf)				As written on music and artistry check for dynamic contrast among forte, mezzo forte and piano sounds	
						*	Mind involvement				Artistry Magic: Question to student for different dynamic sounds	
26	Nil		*			*	Good sitting posture			Pilot in the Clouds	Technique Secret: Good posture. Do Karate Pose as daily warm up	
						*	Round hand shape				Instruct student to keep a round hand position	
						*	Hands play alternatively				As written on music	
						*	Move freely					
						*	Dynamics (mf)					
27	Balance (coordination of hands)	*						*	*	Canoeing Upstream	Artistry Magic: No bumpy from one hand to the other hand	
						*	Pedalling				Use the pedal for extra credit	
						*	Hands play alternatively				As written on music	
						*	Dynamics (mf)					
28	Nil					*	Mind involvement			We Won the Game Today!	Technique Secret: Instruct student to name and demonstrate 3 out of the 5 "technique secrets"	
						*	Dynamics (mf)				As written on music	
						*	Move freely					
						*	Hands play alternatively					
29		*					Balance (hand coordination)			Peaceful Sunset	Artistry Magic: Play one hand forte and the other piano	
						*	Dynamics (mf, f, p)				As written on music	
						*	Pedalling				Instruct student to use the damper pedal through out the piece	
						*	Hands play alternatively				As written on music	
						*	Hands play together (last bar)					
						*	Move freely					
						*	Listening skill				Listen to different dynamic sounds	
						*	MInd involvement				Artistry Magical: Instruct student to say the name of dynamic mark	
30	Nil					*	Mind involvement			Our Team Scores Again!	Technique Secret: Instruct student to name and show the 5 techniqe Secrets	
						*	Dynamics (f, p)				As written on music	
						*	Hands play alternatively					
						*	Hands play together					
						*	2 notes together					
						*	Lift gently (at the end)					
31	Nil					*	Brain involvement			What the Queen Told the King and What He Said After What She Said	Technique Secret: instruct student to choose a favorite technique	
						*	Dynamics (f, p)				As written on music	
						*	Hands play alternatively					
32	Nil					*	Hands play alternatively			Leading the Parade	As written on music	
						*	Hands play together					
						*	Dynamics (f, p)					
						*	Move freely					
Summary											Remarks	
Total pages	29	10	7	2	2	0	6		6	10	Total pages containing given parameter	
Percent (pages)		34% of total pages	70%	20%	20%	0%	60%		60%	100%	Percent of total pages with new technique elements	
Total new technique elements		28	16	3	9	0	12		8	25	Total no. of new technique elements introduced	
Percent (elements)			57%	11%	32%	0%	43%		29%	89%	Percent of total new technique elements	

Piano Discoveries On-Staff Starter (2001)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments	
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical			
5	Sit tall	*							*		Sit tall at the bench and find a comfortable position with back never stiff	
	Relax	*							*		Back, arms, wrists and elbows feel relaxed and flexible	
	Sitting area (near the edge)	*							*		Not too far back	
	Feet on stool	*							*		Feet flat on the floor or stool or box	
	Curved finger	*							*		Slightly curved finger. Try to hang down the hands at side, straight line from arm to wrist and notice how the fingers are curved. Then move the hand to the keyboard	
	Arms level	*							*		Arm level to the keyboard	
	Wrist level	*							*		Wrist level to the keyboard	
6	RH only					*			*	Discovering the Keyboard	Go up and down with the pointer finger and placed the thumb under the joint nearest the tip of finger.	
	Supported finger	*							*		The pointer finger with the thumb under the joint nearest the tip of finger	
						*	Curved finger				Instruct student gently curve the pointer finger	
	Move freely	*							*		Go up and down on the keyboard with the pointer finger	
7	Nil					*	Supported finger			Locating the White Keys	Play two black key with supported pointer finger	
						*	Move freely				Play all the keys indicated on the keyboard picture in the book	
8	Nil						Nil			Getting Ready to Count		
9	Nil						Nil			Building the Musical Staff		
10	Fingering	*		*					*			
11	Nil					*	RH only			If You Think That You Might Giggle	As written on music	
12	LH only					*	RH only		*	To Be or Not to Be	As written on music	
13	Hands play alternatively					*			*	I Think I See a "C"	As written on music	
14	Nil					*	RH only			It Takes the Cake	As written on music	
15	Dynamics (f)	*							*	*	I Like My Dog	Instruct student to let the fingers strike the keys with more energy with the sign f
						*	RH only				As written on music	
16	Dynamics (p)	*							*	*	From My Bedroom Window	Instruct student to let the fingers strike the keys with more gently with the sign p
						*	RH only				As written on music	
17	Nil					*	Dynamics (f)			What If Birds...	As written on music	
						*	RH only					
18	Nil					*	Dynamics (p)			Winter Snow	As written on music	
						*	LH only					
19	Nil					*	Dynamics (f)			Cheese and Crackers	As written on music	
						*	LH only					
20	Nil					*	Dynamics (f, p)			Halloween Sog	As written on music	
						*	LH only					
21	Nil					*	Nil					
22	Nil					*	Hands play alternatively			Upside-Down Umbrellas	As written on music	
						*	Dynamics (f)					
23	Dynamics (mp)	*							*	*	Touching the Sky	The term mp is explained without mentions how to do it
						*	Hands play alternatively				As written on music	
24-25	Dynamics (mf)	*							*	*	What Goes Up Must Come Down	The term mp is explained without mentions how to do it
						*	Hands play alternatively				As written on music	
26	Nil					*	RH only			Tip-Toeing	As written on music	
						*	Dynamics (p)					
27	Nil					*	RH only			Strike Up the Band	As written on music	
						*	Dynamics (f)					
28	Nil					*	Hands play alternatively			The Woodpecker	As written on music	
						*	Dynamics (mf)					
29	Nil					*	LH only			Oom-pah! Oom-pah!	As written on music	
						*	Dynamics (f,p)					
30-31	Accent	*						*	*	I Like the Circus	Explain the mark above or below a note, play the note stronger than the other	

Piano Discoveries On-Staff Starter (2001)

	Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
			Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical		
							*	LH only				As written on music
							*	Dynamics (mf)				
32	Nil						*	Hands play alternatively			Have You Heard the Robin?	As written on music
							*	Dynamics (mp)				
33	Nil						*	Hands play alternatively			The Robin's Song	As written on music
							*	Dynamics (p)				
34-35	Nil						*	Hands play alternatively			Jolly Old Saint Nicholas	As written on music
							*	Dynamics (mf)				
36	Nil						*	RH only			Fuzzy Little Caterpillar	As written on music
							*	Dynamics (mp)				
37							*	RH only			A Cat That Skips!	As written on music
							*	Dynamics (mf)				
38-39	Nil						*	Hands play alternatively			Dancing Elephants	As written on music
							*	Dynamics (f)				
40	Nil						*	LH only			Sleepy Little Caterpillar	As written on music
							*	Dynamics (p)				
41	Nil						*	LH only			I Like Baseball	As written on music
							*	Dynamics (mf)				
42	Nil						*	Hands play alternatively			Grandma's Garden	As written on music
							*	Dynamics (mp)				
43	Nil						*	Hands play alternatively			Make Your Own Sundae	As written on music
							*	Dynamics (mf)				
44-45	Nil						*	Hands play alternatively			I Like Things That creep and Crawl	As written on music
							*	Dynamics (mp)				
46	Nil						*	Hands play alternatively			I Love Parades	As written on music
							*	Dynamics (mf)				
Summary											Remarks	
Total pages	42	12	10	0	1	0	3		7	12		Total pages containing given parameter
Percent (pages)		29% of total pages	83%	0%	8%	0%	25%		58%	100%		Percent of total pages with new technique elements
Total new technique elements		18	15	0	1	0	3		5	18		Total no. of new technique elements introduced
Percent (elements)			83%	0%	5%	0%	17%		28%	100%		Percent of total new technique elements
Summary for the first 40 pages												
Total pages	40	12	10	0	1	0	3		7	12		Total pages containing given parameter
Percent (pages)		30% of the first 40 pages	83%	0%	8%	0%	25%		58%	100%		Percent of total pages with new technique elements

Piano Town Method Primer Lesson Book (2004)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
4	Sit tall	*		*				*	Nil		
	Forearms level	*		*				*			
	Elbow level	*		*				*			
	Sitting area	*		*				*			
	Feet on floor/stool	*		*				*			
	Curved fingers tip	*		*				*			
	First joint firm	*		*				*			
	Finger tip touch the keys	*		*				*			
	Thumb	*		*				*		Open space between thumb and finger	
Mind involvement	*						*	*	Concentrate in controlling the finger tip firm		
5	Good hand position (general)	*		*				*	Nil		
	Fingering	*		*				*			
6	Move freely					*		*	Nil	Introducing the two black keys and three black keys. Instruct student to play each group of two black keys and three black keys with going up and down the keyboard	
7	Nil										
8	Legato	*						*	*	New Things	
	Hands play alternatively					*		*		As written on music	
						*	Fingering			Instruct student to play and sing the finger number	
					*	Mind involvement				Question to student about which hand play first	
9	Nil					*	Hands play alternatively		Up the Street	As written on music	
						*	Mind involvement			Question to student about which hand play first	
10	Nil					*	Hands play alternatively		Mary Had a Little Lamb	As written on music	
11	Hands play together					*		*	Town Hall	As written on music	
						*	Hands play alternatively				
						*	Mind involvement			Question to student about which finger always play after 4th finger	
						*	Fingering				
12-13					*	Move freely				Introducing the music alphabet of the white keys. Instruct student to play specific key	
14	Nil					*	Hands play alternatively		The Artist	As written on music	
						*	Fingering			Instruct student play and sing the finger number	
15	Nil					*	Hands play alternatively		Purple Paint	As written on music	
16	Nil					*	Hands play alternatively		Kites for Sale	As written on music	
17	Nil					*	Hands play alternatively		Getting Hungry	As written on music	
18	Five-finger position (C major)			*		*		*	Pizza Parlour	Picture as a guide to locate the notes of C Major 5-finger position	
						*	Hands play alternatively			As written on music	
19	Nil					*	Hands play alternatively		The Drawbridge	As written on music. C major 5 finger position mentioned under the	
						*	Five-finger position (C major)				
20						*	Five-finger position (C major)		My New Kite	As written on music. C major 5 finger position mentioned under the	
						*	Hands play alternatively				
21	Nil					*	Five-finger pattern scale		Pirates at Sea	As written on music. C major 5 finger position mentioned under the	
						*	Hands play alternatively				
22	Nil					*	Five-finger position (C major)		The Dinosaur Song	As written on music. C major 5 finger position mentioned under the	
						*	Hands play alternatively				
23	Nil					*	Five-finger position (C major)		The Symphony	As written on music. C major 5 finger position mentioned under the	
						*	Hands play alternatively				
24	Nil					*	LH only		The Sunset	As written on music	
25	Nil					*	LH only		Low Tide	As written on music	
26	Nil					*	RH only			As written on music	
27	Nil					*	RH only		Aquarium, Terrarium	As written on music	
28	Nil					*	Hands play alternatively		The mirror	As written on music	
29	Nil						Nil		Introducing the staff		
30	Nil					*	Hands play alternatively		Piano Town Park	As written on music	
31	Nil					*	Hands play alternatively		Horseback Riding	As written on music	
32	Nil					*	Hands play alternatively		The Satisfied Snake	As written on music	
33	Nil					*	Hands play alternatively		Obedience School	As written on music	
34	Nil					*	Hands play alternatively		Checkers	As written on music	
35	Nil					*	Hands play alternatively		Skateboards	As written on music	
36	Nil					*	Hands play alternatively		Ice Cream Truck	As written on music	
37	Nil					*	Hands play alternatively		Rowing on the Lake	As written on music	
38	Nil					*	Hands play alternatively		Yankee Doodle	As written on music	
39	Nil					*	Five finger position (C major)		Baking the Cake	As written on music. C major 5 finger position mentioned under the	
						*	Hands play alternatively				

Piano Town Method Primer Lesson Book (2004)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
40		*					Legato			Icing the Cake	Instruct student to play smoothly connected when a curved line over a group of notes
	Slur	*						*	*		It mentions a line over a group of notes called slur and means to play legato
						*	Hands play alternatively				As written on music
41	Nil					*	Slur			My Cat Mix	As written on music
						*	Hands play alternatively				
42	Dynamics (f)	*						*	*	The Fire Truck	Only gives the meaning and without mention how to do the loud and soft sound
	Dynamics (p)	*						*	*		
						*	Hands play alternatively				As written on music
43	Nil					*	Slur			The Surprise Party	As written on music
						*	Hands play alternatively				
						*	Dynamics (f, p)				
44	Nil					*	Dynamics (f)			Running Errands	As written on music
						*	Hands play alternatively				
						*	Slur				
						*	Mind involvement				Question about slur and fingering
						*	Fingering				Instruct student to write finger numbers
45	Nil					*	Dynamics (f)			The Foundation	As written on music
						*	Mind involvement				Question about the fingering
						*	Fingering				Circle the fingers will be used in the music
						*	Hands play alternatively				As written on music
46	Nil					*	Slur			Brick by Brick	As written on music
						*	Dynamics (f)				
						*	Hands play alternatively				
47	Play 2 notes together					*			*	The Carpenters	As written on music
						*	Hands play together				As written on music
						*	Dynamics (f)				
						*	Slur				
						*	Hands play alternatively				
48	Play 3 notes together (C triad)					*			*	My New Room	Introduce broken and blocked triad as written on music
						*	Dynamics (f)				As written on music
						*	Slur				
						*	Hands play alternatively				
49	Nil					*	Dynamics (f, p)			Brother John	As written on music
						*	Hands play alternatively				
						*	Hands play together				
						*	Play 3 notes together (C triad)				
						*	Slur				
50	Nil					*	Dynamics (f, p)			Row, Row, Row Your Boat	As written on music
						*	Hands play alternatively				
						*	Hands play together				
						*	Slur				
51	Nil					*	Dynamics (f)			Thanksgiving Dinner	As written on music
						*	Hands play alternatively				
						*	Hands play together				
						*	Slur				
52	Nil					*	Dynamics (p)			My Front Tooth	As written on music
						*	Slur				
						*	Hands play alternatively				
						*	Hands play together				
53	Nil					*	Dynamics (f)			Marching in the Snow	As written on music
						*	Slur				
						*	Hands play alternatively				
54	Five-finger position (G major)			*		*			*	Double Decker Bus	Picture as a guide to locate the notes of G Major 5-finger position
						*	Dynamics (f)				As written on music
						*	Slur				
						*	Hands play alternatively				
55	Nil					*	Dynamics (f)			Hot Dog	As written on music
						*	Slur				
						*	Hands play alternatively				
56	Staccato	*						*	*	Simon Says	

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
						*	Dynamics (p)				As written on music
						*	Slur				
						*	Hands play alternatively				
57	Nil					*	Dynamics (f)			Sand Castle	As written on music
						*	Staccato (Detached notes)				
						*	Play 3 notes together (G triad)				
						*	Hands play alternatively				
						*	Hands play together				
						*	Slur				
58	Nil					*	Dynamics (p)			Moving	As written on music
						*	Staccato (Detached notes)				
						*	Hands play together				
						*	Slur				
59	Nil					*	Dynamics (p)			Night Sky	As written on music
						*	Staccato (Detached notes)				
						*	Hands play alternatively				
						*	Hands play together				
60-61	Pedalling					*	Slur		*		As written on music. Pedalling: only mentions "pedal is optional" and no explanation
						*	Staccato (Detached notes)				
						*	Hands play alternatively				
						*	Hands play together				
						*	Play 3 notes together (C triad)				
						*	Slur				
Summary											Remarks
Total pages	58	13	6	0	4	0	9		7	12	Total pages containing given parameter
Percent (pages)		22% of total pages	46%	0%	31%	0%	69%		54%	92%	Percent of total pages with new technique elements
Total new technique elements		24	17	0	13	0	9		5	24	Total no. of new technique elements introduced
Percent (elements)			71%	0%	54%	0%	38%		21%	100%	Percent of total new technique elements
Summary for the first 40 pages											
Total pages	40	7	4	0	3	0	5		4	7	Total pages containing given parameter
Percent (pages)		18% of the first 40 pages	67%	0%	43%	0%	71%		57%	100%	Percent of total pages with new technique elements

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Page no.	New technique Elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
2	Sit tall					*		*	New Shoes/Hot Cereal	Mentions the term without explanation	
	Arm Relax					*		*			
	Wrist level					*		*			
	Curved fingers					*		*			
	First joints firm					*		*			
	Hands play alternatively					*		*			
3	Nil					*	Hands play alternatively		The Little Bear/Main Street	As written on music	
4	Nil					*	Hands play alternatively		Tie-Dye/Papier Marche	As written on music	
5	Nil					*	Hands play alternatively		Hang Glider/Tummy Rumble	As written on music	
6	Five- Finger Position (C major)			*		*		*	Pepperoni Pizza	Picture as a guide to locate the key	
						*	Hands play alternatively			As written on music	
7	Nil					*	Five finger-position (C major)		Ferryboat/Tugboard	As written on music. The term C Major 5-finger position under the	
						*	Hands play alternatively			As written on music	
8	Nil					*	Five finger-position (C major)		Windy Day/Swahbuckler	As written on music. The term C Major 5-finger position under the	
						*	Hands play alternatively			As written on music	
9	Nil					*	Five-finger position (C major)		Dress Rehearsal	As written on music. The term C Major 5-finger position under the	
						*	Hands play alternatively			As written on music	
10	Nil					*	Hands play alternatively		Hermit Crab/Sea Anemone	As written on music	
11	Nil					*	Hands play alternatively		Front Row Seat/The Class Hamster	As written on music	
12	Nil					*	Hands play alternatively		The Palomino	As written on music	
13	Nil					*	Hands play alternatively		Bullfrog	As written on music	
14	Nil					*	Hands play alternatively		Chess/Rollerskates	As written on music	
15	Nil					*	Hands play alternatively		Rocky Road	As written on music	
16	Nil					*	Hands play alternatively		Snicker Doodles	As written on music	
17	Contrary motion in middle position					*		*	Chocolate chips	As written on music	
	Hands play together					*		*		As written on music	
							Five-finger position (C major)			The term C Major 5-finger position under the song title	
18	Slur					*		*	Strawberry Frosting	Slur on music but no instruction of how to play the notes under the slurs	
						*	Hands play alternatively			As written on music	
19	Nil					*	Slur		Catnip	As written on music	
						*	Hands play alternatively				
20	Dynamics (f)					*		*	Cherry Picker/Back Hoe	Dynamic signs on music but no explanation and instruction how to do with signs	
	Dynamics (p)					*		*			
						*	Contrary Motion			As written on music	
21	Parallel Motion					*		*	The invitation	As written on music	
						*	Dynamics (f & p)				
22	Nil					*	Hands play together		Cement Mixer	As written on music	
						*	Parallel Motion				
						*	Dynamics (f)				
23						*	Hands play together		The Electrician/The Pumber	As written on music	
						*	Parallel Motion				
						*	Slur				
24	2 notes together (RH & LH)					*	Dynamics (f & p)		Sawdust/The Level	As written on music	
						*	Hands play alternatively				
						*	Slur				
25	3 notes together (C triad) Move freely					*		*	Fresh Paint/Bunk Beds	As written on music	
						*		*		Instruct student to play the musical pattern beginning on every white key to to the next C	
						*	Hands play alternatively			As written on music	
26						*	Dynamics (f)		Sweet Potato Pie/Family Pictures		
						*	Hands play together				
						*	Move freely			Instruct student to play the musical pattern beginning on every white key to to the next C	
						*	3 notes together (C triad)			As written on music	
						*	Dynamics (f, p)				
27						*	Hands play together		The Tooth Fairy	As written on music	
						*	Parallel Motion				
						*					
						*	Dynamics (p)				

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	Page no.	New technique Elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
			Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
28	Five-Finger Position (G major)			*		*		*		Double Trouble	Picture as a guide to locate the key As written on music	
						*	Hands play together					
						*	Parellel Motion					
						*	Dynamics (p)					
29	Nil					*	Hands play together			Collie/Golden Retriever	As written on music	
						*	Five-finger position (G major)					
						*	Play 2 notes together					
						*	Hands play alternaveily					
						*	Parellel Motion					
30	Staccato					*		*	*	Hopscotch	As printed in music. No instruction for how to play the notes with staccato signs As written on music	
						*	Hands play together					
						*	Parellel Motion					
						*	Play 2 notes together					
31	Nil					*	Slur			The Catapult	As written on music	
						*	Hands play alternaveily					
						*	Hands play together					
						*	Parellel Motion					
						*	Play 3 notes together (G triad)					
						*	Dynamics (f)					
32	Nil					*	Hands play together			The Big Dipper/Crescent Moon	As written on music	
						*	Parellel Motion					
						*	Dynamics (f, p)					
Summary											Remarks	
Total pages	31	10	0	0	2	0	9		2	9	Total pages containing given parameter	
Percent (pages)		32% of total pages	0%	0%	20%	0%	90%		22%	90%	Percent of total pages with new technique elements	
Total new technique elements		18	0	0	2	0	17		4	18	Total no. of new technique elements introduced	
Percent (elements)			0%	0%	11%	0%	94%		22%	100%	Percent of total new technique elements	

The Music Tree Time to Begin (2006)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
4	Hands play alternatively	*						*	Take off	Explain stem direction for RH and LH	
	Listening skill	*						*		Bobo: Explain group of notes are getting higher, listen to the higher sounds	
	Move freely	*		*				*		Chip: A picture shows direction of moving up on keyboard	
5	Mind involvement					*		*	Landing	Question about the sounds	
						*	Hands play alternatively			As written on music	
						*	Listening skill			Bobo: Listen to the lower sound	
						*	Move freely			As written on music	
6	Nil					*	Hands play alternatively		In a Canoe	As written on music	
						*	Listening skill			Bobo: Listen to the sounds of half note last long enough	
						*	Move freely			As written on music	
7	Nil					*	Hands play alternatively		Space Ship	As written on music	
						*	Listening skill			Bobo: listen to the sounds of half note last long enough	
						*	Move freely			As written on music	
8	Arm swing	*						*	In a Garden	Chip: One swing quarter note, 2 swings for half note	
						*	Mind involvement			Chip: Before playing, student is instructed to think about the piece and the sound of the piece	
						*	Listening skill			Bobo: listen to the sound of half notes	
						*	Hands play alternatively			As written on music	
						*	Move freely				
9	Nil					*	Listening skill		Inchworm	Bobo: listen to the sound of half notes	
						*	Hands play alternatively			As written on music	
						*	Move freely				
10	Nil					*	Hands play alternatively		Rollerblades	As written on music	
						*	Move freely				
						*	Listening skill			Bobo: listen to the sound of half notes	
						*	Mind involvement			Question about which hand begins each group of notes	
11	Nil					*	Hands play alternatively		Playing Frisbee	As written on music	
						*	Move freely				
						*	Listening skill			Bobo: listen to the sounds of half note last long enough	
12	Nil					*	Arm swing		Bells, New Kite, Jack and Jill	Do the swing on different rhythm of the notes	
13	Fingering	*		*				*		Write the finger number on the hand picture	
						*	Move freely			Instruct student to play C-D-E and F-G-A-B up and down the keyboard	
14	Dynamics (p)	*						*	A secret	Chip: explain the word but no instruction for how to make soft sound	
	Finger tips	*						*		Instruct student to play with fingertips on keyboard cover before playing	
						*	Listening skill			Bobo: Listen to the (p) sounds	
						*	Mind involvement			Questions about which hand begins to play in each group of notes and the sound soft enough after each play	
						*	Move freely			As written on music	
15	Dynamics (f)	*						*	Rock Band	Chip: Explain the word but no instruction for how to make loud sound	
						*	Listening skill			Bobo: Listen to the piece sound forte	
						*	Move freely			As written on music	
						*	Mind involvement			Questions about the dynamic	
						*	Hands play alternatively			As written on music	
16	Repeated notes	*						*	On the Bleachers	Before play, tap until the repeated notes are easy and comfortable	
						*	Dynamics (f)			As written on music	
						*	Hands play alternatively				
						*	Move freely				
						*	Mind involvement			Questions about the fingering, use of hand and dynamic	
						*	Fingering			Instruct student to number the fingers will use	
17	Nil					*	Listening skill		Circus Clown	Bobo: Question about the whole piece sound forte	
						*	Arm swing			Question about the group of notes sound lower	
						*	Dynamics (f)			Awing the rhythm of the notes	
						*	Dynamics (f)			As written on music	

The Music Tree Time to Begin (2006)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
18	Nil						* Move freely				
							* Mind involvement				Instruct student to think about what sound want to make. Question about the use of hand, dynamic and movement of notes as well
							* Hands play alternatively				As written on music
							* Listening skill			Blue bird	Question about the second group of notes soud higher or lower
							* Dynamics (p)				Question about the dynamic and mood of sound
							* Move freely				As written on music
							* Mind involvement				Questions about the use of hand, dynamic and emotion of music, and sounds
19	Nil						* Hands play alternatively				As written on music
							* Listening skill			Halloween	Bobo: question for the sound of second group of notes
							* Dynamics (f, p)				Question about dynamic
							* Move freely				As written on music
							* Mind involvement				Questions about the dynamic, use of hand and sounds
20	Nil						* Hands play alternatively				As written on music
							* Arm swing			Yankee Doodle/Snowbound	Swing to the rhythm of the notes
21	Nil						* Dynamics (f, p)			Reviewing C, D, E/ Review	Do the contrast of dynamic in improvising a song by using the three black keys
							* Move freely				Move upward or downward accordance to the keys printed on music
22	Slur	*						*	*	Drifting	Introducing Slur and play the notes as smoothly as possible
							* Dynamics (p)				As written on music and question about the dynamic (p)
							* Listening skill				Bobo: Question about the sound smooth/connected and dynamic (p)
							* Hands play alternatively				As written on music
							* Move freely				
23	Nil						* Mind involvement				Bobo: Questions about fingering, sound smooth and connected, and dynamic (p)
							* Slur (sound smooth/connected)			Kites	Bobo: Questions about the notes within each slur smoothhand ocnnected?
							* Dynamics (f)				As written on music and question about the dynamic (f)
							* Listening skill				Bobo: Question for dynamic and smooth tone
							* Hands play alternatively				As written on music
24	Nil						* Move freely				
							* Mind involvement				Questions about the use of hand, dynamic and mood of music
							* Dynamics (f)			Climbing	Bobo: before playing, questions about the dynamic
25	Nil						* Hands play alternatively				As written on music
							* Move freely				
							* Dynamics (f, p)			Hang Gliding	As written on music. Question about the dynamic contrast in the first half and second half
26	Nil						* Hands play alternatively				Questions about use of hand, dynamic and movement
							* Move freely				Bobo: Question about the dynamic of A and B section
							* Mind involvement				
							* Listening skill				
27	Nil						* Dynamics (p)			Summer Clouds	Before play, think the sound to be made
							* Hands play alternatively				As written on music
							* Fingering				Instruct student to say the finger number and find out the number of finger to be used
							* Slur				Question about the sound smooth/connected
							* Move freely				As written on music
							* Mind involvement				Questions about fingering, smooth sound, dynamic and movement
28	Nil						* Listening skill				Bobo: questiona bout the sound of the notes with slur and they dynamic of whole piece
							* Dynamics (p)			The Schumanns	As written on music. Bobo: Question about the sound of the music
							* Hands play alternatively				Say the finger number and number the fingers to be used
						* Fingering					

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
29	Nil									Submarine Dive	Question about the notes within each slur sound smoothly or connected
											Questions about fingering, smooth sound and dynamic
											As written on music. Bobo: Question about the sound of the music
											As written on music
											Say the finger number
											As written on music
											Move freely
											Brain involvement
											Questions about dynamic, emotion and speed of music before playing
											Listening skill
30	Nil									Warm up for daily practice	As written on music
										Grasshoppers/Funny Bug	
											Bobo: instruct student to swing to the rhythm of the notes
31	Nil										Chip: Play the notes on the key with check
32	Nil									Winter Fun	As written on music
											Move freely
											Arm swing
											Instruct student to swing before play
											Questions about use of hand and movement
											Bobo: Question about the note hold long enough
33	Nil									Naptime/Winter Night	As written on music
											Bobo: Question about the note hold long enough
34	Nil									Scout Day/Thunderstorm	As written on music
											Bobo: Question about the sound of the lower octave
35	Hands play together								*	Stubborn Mule/Dinosaurs	As written on music. Instruct student to circle the notes (2nds) that are played hands together
											As written on music
											Instruct student to listen to the sound of 2nds play together
											Bobo: instruct student before playing, play silently on keyboard cover and say the finger number
36	Nil									Merrily We Roll Along	As written on music. Bobo: question for student to do the whole piece
											Bobo: question for student to do the whole piece sound f
											Question about fingering and sound
					*						Instruct student to find the fingers to be used in the music
37										Jack Be Nimble/Twilight	As written on music
											Instruct student to move up and down three different octaves
	RH only								*		As written on music
	LH only								*		
38	Nil										Instruct student to move up and down three different octaves
39	Nil										As written on music. Instruct student to circle the 3rds that are played hand together
											Bobo: instruct student to listen the sound of 3rds played together
											As written on music. Move an octave higher
											As written on music
40	Nil									Parade/Tree House	As written on music. Move an octave higher
											As written on music. Instruct student to circle the 3rds that are played hand together
											Bobo: Question about the sound of last half in the piece like the first half, except an octave higher
41	Nil									Stargazers	Instruct student to play the notes under slur smoothly

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Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
						* Fingering				Instruct student to sin the finger number while play silently on	
						* Hands play alternatively					
						* Listening skill				Bobo: Question about the slur sound smooth and connected. The value of dotted half note hold long enough	
						* Move freely				As written on music. Move an octave higher	
						* Mind involvement				Questions about legato sound	
42	Nil					* Hands play alternatively			Beethoven's Ninth	As written on music	
						* Slur					
						* Dynamics (f)					
				*		* Fingering				Instruct student to number the fingers will be used in the piece. Before playing, play on the keyboard cover silently and say the finger number	
						* Mind involvement				Questions about fingering and melodic difference	
43	Nil					* Slur			Skating	Instruct student to play the notes within each slur sound smooth and connected	
						* Hands play alternatively				As written on music	
						* Dynamics (p)					
						* Listening skill				Bobo: listen to the sound of dotted half note last long enough	
						* Move freely				As written on music play an octave higher	
				*		* Fingering				Instruct student to number the fingers will be used in the piece. Before playing, play on the keyboard cover silently and say the finger number	
44	Nil					* Arm swing			Bear Chase/At the Lake	Instruct student to swing the rhythm of the notes	
						* LH only				As written on music	
						* RH only					
						* Move freely				Instruct student to play different octaves going up and down the	
45	Nil					* Move freely				Instruct student to play the keys as indicated	
46	Nil					* Hands play alternatively			Crocodile/Snake Charmer/Centipede	As written on music	
						* Slurs					
						* Dynamics (f, p)					
47	Nil					* Arm swing			Pumpkin Eater	Instruct student to swing the rhythm of the notes before playing	
						* Hands play alternatively				As written on music	
						* Dynamic (f)					
						* Slurs					
				*		* Fingering				Instruct student to number the fingers will be used in the piece.	
						* Mind involvement				Instruct student to think the dynamic and find the position before playing	
48	Nil					* Hands play alternatively			camptown Races	As written on music	
						* Dynamics (f)					
						* Slurs					
				*		* Fingering				Instruct student to number the fingers will be used in the piece.	
49	Nil					* Slur			Bedtime	Bobo: Instruct student listen to the notes within each slur sound smooth and connected	
				*		* Fingering				Instruct student to number the fingers will be used in the piece.	
						* Listening skill				Bobo: Instruct student listen to the notes within each slur sound smooth and connected	
						* Dynamics (p)				As written on music. Play an octave higher	
						* Move freely					
						* Hands play alternatively				As written on music.	
						* Mind involvement				Questions about fingering, slurs and	
50	Nil					* Hands play alternatively			Marching Band	As written on music. Play 4 different octaves	
						* Hands play together					
						* Dynamics (f, p)					
						* Move freely					
51	Nil					* Arm swing			Warm-ups for daily practice/Rhythm	Swing the rtythm of notes	
						* LH only				As written on music	
						* RH only					
						* Move freely				Instruct student to play the melody up and down three different octaves	
52	Nil					Nil				Theory	

The Music Tree Time to Begin (2006)

Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development		
53	Nil					*	Listening skill			Railroad Crossing/Noisy Ne	Instruct student to listen to the sound of 4ths played together
						*	Hands play alternatively				As written on music
						*	Hands play together				
54	Nil			*		*	Dynamics (f, p)			Ship Ahoy	Instruct student to number the fingers will be used in the piece.
						*	Fingering				As written on music
						*	Slurs				
55	Nil			*		*	Hands play alternatively			Ranch Mail	Instruct student to number the fingers will be used in the piece. Before playing, play on the keyboard cover silently and say the finger number
						*	Dynamics (f)				As written on music
						*	Fingering				
56	Nil					*	Dynamics (p)			Rocket Ship	As written on music
						*	Hands play alternatively				
						*	Slurs				
57	Nil			*		*	Slurs			Rocket Ship	As written on music
						*	Dynamics (f)				
						*	Hands play alternatively				
58	Nil					*	Fingering			Warm-ups for daily practice/Rhythm	Instruct student to number the fingers will be used in the piece.
						*	Arm swing				Instruct student to swing the rhythm of the notes
						*	Slur				As written on music.
59	Nil					*	RH only			Pussy Willows	Instruct student to play the melody in 3 different octaves
						*	LH only				
						*	Move freely				
60	Nil					*	Nil			Pussy Willows	Theory
						*	Arm swing				Instruct student to swing and say the words
				*		*	Fingering				Instruct student to number the fingers will be used in the piece.
61	Nil					*	Listening skill			Oh, My!/KingGeorge V	Bobo: instruct student to listen the whole note value last long enough equal to 4 quarter notes value
						*	Slurs				As written on music. Play an octave higher
						*	Move freely				
62	Nil					*	Hands play alternatively			Oh, My!/KingGeorge V	Bobo: instruct student to listen to the sound of 5ths played hands together
						*	Dynamics (f)				As written on music
						*	Hands play together				
63	Nil					*	Dynamics (f)			Square Dance	As written on music
				*		*	Fingering				Instruct student to number the fingers will be used in the piece.
						*	Listening skill				Bobo: instruct student to listen the whole note value last long enough equal to 4 quarter notes value
64	Nil					*	Hands play alternatively			Clouds	As written on music. Play an octave higher
						*	Move freely				
						*	Dynamics (p)				
65	Nil					*	Slurs			Old MacDonald	As written on music. Play an octave lower. Bobo: Question about the dynamic of the music before playing
						*	Listening skill				
						*	Hands play alternatively				
66	Nil			*		*	Move freely			Warm-ups for daily practice/Rhythm	Instruct student to number the fingers
						*	Fingering				As written on music. Play three different octaves going up and down the keyboard
						*	Slurs				
67	Nil					*	Move freely				
						*	RH only				
						*	LH only				
68	Nil					*	Nil			Bass Staff	Theory
						*	Hands play alternatively				As written on music
						*	Dynamics (f)				
69	Nil					*	Hands play alternatively			Treble Staff	As written on music
						*	Dynamics (f)				
						*	Hands play alternatively				
70	Nil					*	Dynamics (f, p)			Walking on Stilts/Tumbleweed	As written on music
						*	Fingering				
				*		*	Fingering			Quiet Evening/Sunny Morning	Instruct student to number the fingers will be used in the music

The Music Tree Time to Begin (2006)												
Page no.	New technique elements	Type of presentation					Other technique elements involved	Category		Title of song	Comments	
		Explanation in words	Analogy	Cartoon Drawing	Photo	Others		Musical development	Biomechanical development			
							* Hands play alternatively				As written on music	
							* Dynamics (f, p)					
							* Slurs					
70-71	Nil			*			* slurs			Graduation March	As written on music. Bobo: question about the dynamic in the piece	
							* Hands play alternatively					
							* Dynamics (f, p)					
							* Fingering				Instruct student to number the fingers will be used in the music	
72	Nil						* Slurs			Warm-ups for daily practice/Rhythm	As written on music. Instruct student to play the melody in 3 different octaves going up and down the keyboard	
							* Move freely				Instruct student to play LH and RH only and in 3 different octaves going up and going down the keyboard	
							* LH only					
							* RH only					
Summary											Remarks	
Total pages	69	10	9	0	2	0	3		5	8	Total pages containing given parameter	
Percent (pages)		14% of total pages	90%	0%	20%	0%	30%		50%	80%	Percent of total pages with new technique elements	
Total new technique elements		12	10	0	2	0	4		5	12	Total no. of new technique elements introduced	
Percent (elements)			83%	0%	17%	0%	33%		42%	100%	Percent of total new technique elements	
Summary for the first 40 pages												
Total pages	40	10	9	0	2	0	3		5	8	Total pages containing given parameter	
Percent (pages)		25% of the first 40 pages	90%	0%	20%	0%	30%		50%	80%	Percent of total pages with new technique elements	

Appendix E: Technique Elements Categorized by Musical and Biomechanical Aspects

Technique Concepts	Musical Aspect	Biomechanical Aspect
Relaxation		*
Mind involvement	*	*
Tone quality	*	
Listening skill	*	
<i>Position</i>		
Sitting posture	Distance	*
	Height	*
	Sitting area	*
	Sit tall/straight	*
	Feet on floor/stool	*
Shoulder free		*
Hand position	Hand level	*
	Wrist level	*
	Forearm level	*
	Elbow level	*
	Curved finger tips	*
	Arched hand	*
General		*
Use of fingers	Finger pad	*
	Thumb	*
	Fifth finger	*
<i>Basic Movement</i>		
Upper/forearm	Arm Weight	*
	Arm drop	*
	Forearm rotary	*
	forearm freedom	*
	finger tip support/strong	*
Wrist	Drop	*
	Roll	*
	Release	*
Finger activity	Lift up height	*
	Close to keys	*
	Independence	*
	Fingering	*
Lateral movement		
<i>Articulations</i>		
Slur	2 or more notes slur	*
	General	*
Staccato	Finger	*
	Wrist	*
	Forearm	*
	General	*
Legato	Rotary	*
	General	*
Dynamic	Loud/soft (weight)	*
	Loud/Soft (speed)	*
	Cresendo	*
	Decresendo	*
	General	*
Tenuto	*	*
Phrasing	General	*
Scale	Thumb crossing	*
	Cluster	*
	5 fingers pattern	*
Pedalling	*	
Hand coordination	RH only	*
	LH only	*
	Balance	*
	Together	*
	Alternatively	*
	Parallel motion	*
	Contrary motion	*
	Move freely	*
Not in framework	Arm hang loosely/Arm relax	*
	Bench face piano squarely	*
	Tone production	
	2 notes together	*
	3 notes together	*
	Repeated notes	*
	Hand relax/hang naturally	*
	Firm 1st joint (knuckle)	*
	Finger weight	*
	Balance weight (arm and finger)	*
	Rotary (gentle hand rock)	*
	Feel the weight	*
	Eyes on Music	*
	Lift hand (end of phrases)	*
	Swing	*
	Accent	*
	Dorian Mode	*
	Alberti Bass (broken chord)	*
	Pull up slightly (finger)	
	Wrist rotatory motion	*
	Scale Tetrachords	*
	Arpeggio (minor)	*
	Finger relax	*
	Wrist bounce	*
	Release arm weight	*
	Wrist loose	*
	Body: middle of keyboard	*
	Good sitting posture	*
	Cluster (Finger Activity)	*
	Finger tip touch on key	*

Appendix F: Occurrence of Technique Elements with Musical and Biomechanical Categories

Technique elements		Page number (occurrence of technique indicated by *)																	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Relaxation																			
Mind involvement				*															
Tone quality																			
Listening skill				*															
<i>Position</i>																			
Sitting posture	Distance																		
	Height		*																
	Sitting area																		
	Sit tall/straight		*																
	Feet on floor/stool		*																
Shoulder free																			
Hand position	Hand level																		
	Wrist level																		
	Forearm level																		
	Elbow level																		
	Curved finger tips				*														
	Arched hand																		
	General																		
Use of fingers	Finger pad																		
	Thumb																		
	Fifth finger																		
<i>Basic Movement</i>																			
Upper/forearm	Arm Weight																		
	Arm drop																		
	Forearm rotary																		
	forearm freedom																		
	finger tip support/strong																		
Wrist	Drop																		
	Roll																		
	Release																		
Finger activity	Lift up height																		
	Close to keys																		
	Independence																		
	Fingering			*				*	*										
<i>Lateral movement</i>																			
<i>Articulations</i>																			
Slur	2 or more notes slur																		
	General																		
Staccato	Finger																		
	Wrist																		
	Forearm																		
	General																		
Legato	Rotary																		
	General																		
Dynamics	Loud/soft (weight)			*							*	*	*	*	*				*
	Loud/Soft (speed)																		
	Crescendo																		
	Decrescendo																		
	General																		
Tenuto																			
Phrasing																			
Scale	Thumb crossing																		
	Cluster																		
	5 fingers pattern																		
<i>Pedaling</i>																			
Hand coordination	RH only				*	*				*		*							
	LH only				*	*			*		*								
	Balance																		
	Together																		
	Alternatively						*	*				*	*	*	*				*
	Parallel motion																		
	Contrary motion																*	*	*
Move freely				*	*														
Not in framework	Arm hang loosely	*																	
	Bench face piano squarely	*																	
	Tone production			*															
	2 notes together																		
Total number of technique elements		5	1	5	3	3	2	2	1	1	2	2	2	2	2	2	1	1	2
Category as percent of total technique elements																			
Total no. of technique elements (not including recurrences)																			

*does not count the recurrence of the same technique element within the same page

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		Page number (Occurrences of technique indicated by *)																	
Technique elements		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Relaxation																			
Mind involvement																			
Tone quality																			
Listening skill																*			
<i>Position</i>																			
Sitting posture	Distance																		
	Height																		
	Sitting area																		
	Sit tall/straight																		
	Feet on floor/stool																		
	Shoulder free																		
Hand position	Hand level																		
	Wrist level																		
	Forearm level																		
	Elbow level																		
	Curved finger tips																		
	Arched hand																		
	General																		
Use of fingers	Finger pad																		
	Thumb																		
	Fifth finger																		
<i>Basic Movement</i>																			
Upper/forearm	Arm Weight																		
	Arm drop																		
	Forearm rotary																		
	forearm freedom																		
	finger tip support/strong																		
Wrist	Drop																		
	Roll																		
	Release																		
Finger activity	Lift up height																		
	Close to keys																		
	Independence																		
	Fingering																		
Lateral movement																			
<i>Articulations</i>																			
Slur	2 or more notes slur																*		*
	General															*			
Staccato	Finger																		
	Wrist																		
	Forearm																		
	General																		
Legato	Rotary																		
	General															*			
Dynamics	Loud/soft (weight)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Loud/Soft (speed)																		
	Crescendo																		
	Decrescendo																		
	General																		
Tenuto																			
Phrasing	General															*		*	
Scale	Thumb crossing																		
	Cluster																		
	5 fingers pattern			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<i>Pedaling</i>																			
Hand coordination	RH only										*	*							
	LH only								*	*									
	Balance																		
	Together																		
	Alternatively	*	*	*	*	*	*						*	*	*	*	*	*	*
	Parallel motion																		
	Contrary motion																		
	Move freely																		
Not in framework	Arm hang loosely																		
	Bench face piano squarely																		
	Tone production																		
	2 notes together																		
Total number of technique elements		2	2	3	3	3	3	0	3	2	3	2	0	3	3	6	3	3	3
Category as percent of total technique elements																			
Total no. of technique elements (not including recurrences)																			

*does not count the recurrence of the same technique element within the same page

Alfred's Basic Piano Library Lesson 1A (1981)																			
		Page number (Occurrences of technique indicated by *)																	
Technique elements		39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
Relaxation																			
Mind involvement					*														
Tone quality																			
Listening skill			*		*	*													
<i>Position</i>																			
Sitting posture	Distance																		
	Height																		
	Sitting area																		
	Sit tall/straight																		
	Feet on floor/stool																		
Shoulder free																			
Hand position	Hand level																		
	Wrist level																		
	Forearm level																		
	Elbow level																		
	Curved finger tips																		
	Arched hand																		
General																			
Use of fingers	Finger pad																		
	Thumb																		
	Fifth finger																		
<i>Basic Movement</i>																			
Upper/forearm	Arm Weight																		
	Arm drop																		
	Forearm rotary																		
	forearm freedom																		
	finger tip support/strong																		
Wrist	Drop																		
	Roll																		
	Release																		
Finger activity	Lift up height																		
	Close to keys																		
	Independence																		
	Fingering																		
Lateral movement																			
<i>Articulations</i>																			
Slur	2 or more notes slur	*							*	*		*			*	*	*		
	General																		
Staccato	Finger																		
	Wrist																		
	Forearm																		
	General																		
Legato	Rotary																		
	General																		
Dynamics	Loud/soft (weight)	*	*	*	*	*	*	*	*	*	*	*	*	*			*	*	*
	Loud/Soft (speed)																		
	Crescendo																		
	Decrescendo																		*
	General																		
Tenuto																			
Phrasing	General	*							*	*	*		*	*			*	*	*
	Thumb crossing																		
Scale	Cluster																		
	5 fingers pattern												*		*	*			
Pedaling																			
Hand coordination	RH only																		
	LH only											*						*	
	Balance				*	*													
	Together				*	*				*		*		*	*	*	*	*	*
	Alternatively	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Parallel motion																		
	Contrary motion																		
Move freely				*	*														
Not in framework	Arm hang loosely																		
	Bench face piano squarely																		
	Tone production																		
	2 notes together		*	*		*				*				*					
Total number of technique elements		4	4	3	7	7	2	3	4	6	2	5	4	3	4	4	5	4	3
Category as percent of total technique elements																			
Total no. of technique elements (not including recurrences)																			

*does not count the recurrence of the same technique element within the same page

Alfred's Basic Piano Library Lesson 1A (1981)

Technique elements	Page number (occurrences of technique indicated by *)					Pages containing technique element		Total occurrences (no. of pages) by category		
	57	58	59	60	61	Number of pages	Percent of pages	Musical	Bio-mechanical	
Relaxation										
Mind involvement						2	3%	2	2	
Tone quality										
Listening skill						5	8%	5		
<i>Position</i>										
Sitting posture	Distance									
	Height					1	2%		1	
	Sitting area									
	Sit tall/straight					1	2%		1	
	Feet on floor/stool					1	2%		1	
Shoulder free										
Hand position	Hand level									
	Wrist level									
	Forearm level									
	Elbow level									
	Curved finger tips					1	2%		1	
	Arched hand									
Use of fingers	General									
	Finger pad									
	Thumb									
Fifth finger										
<i>Basic Movement</i>										
Upper/forearm	Arm Weight									
	Arm drop									
	Forearm rotary									
	forearm freedom									
	finger tip support/strong									
Wrist	Drop									
	Roll									
	Release									
Finger activity	Lift up height									
	Close to keys									
	Independence									
	Fingering					3	5%		3	
Lateral movement										
<i>Articulations</i>										
Slur	2 or more notes slur			*		10	17%	10	10	
	General					1	2%	1	1	
Staccato	Finger									
	Wrist									
	Forearm									
	General		*	*		2	3%	2	2	
Legato	Rotary									
	General	*				2	3%	2	2	
Dynamics	Loud/soft (weight)	*	*	*	*	43	73%	43	43	
	Loud/Soft (speed)									
	Crescendo			*	*	3	5%	3	3	
	Decrescendo			*	*	4	7%	4	4	
	General									
Tenuto										
Phrasing	General	*			*	14	24%	14		
Scale	Thumb crossing									
	Cluster									
	5 fingers pattern				*	13	22%		13	
Pedaling										
Hand coordination	RH only					6	10%		6	
	LH only					8	14%		8	
	Balance					2	3%		2	
	Together	*			*	12	20%		12	
	Alternatively		*			35	59%		35	
	Parallel motion									
	Contrary motion									
	Move freely					7	12%		7	
Not in framework	Arm hang loosely					1	2%		1	
	Bench face piano squarely					1	2%		1	
	Tone production					1	2%		1	
	2 notes together			*	*	8	14%		8	
Total number of technique elements		4	3	6	7	7	187		86	160
Category as percent of total technique elements									46%	85%
Total no. of technique elements (not including recurrences)							26		10	25

*does not count the recurrence of the same technique element within the same page

Alfred's Basic Piano Library Lesson 1A (1981)		Total occurrences for the first 10 pages				Total occurrences for the first 40 pages			
		Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
Technique elements		Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation									
Mind involvement		1	10%	1	1	2	5%	2	2
Tone quality									
Listening skill		1	10%	1		4	10%	4	
<i>Position</i>									
Sitting posture	Distance								
	Height	1	10%		1	1	3%		1
	Sitting area								
	Sit tall/straight	1	10%		1	1	3%		1
	Feet on floor/stool	1	10%		1	1	3%		1
Hand position	Shoulder free								
	Hand level								
	Wrist level								
	Forearm level								
	Elbow level								
	Curved finger tips	1	10%			1	38%		1
Use of fingers	Arched hand								
	General								
	Finger pad								
Basic Movement	Thumb								
	Fifth finger								
	Upper/forearm								
Upper/forearm	Arm Weight								
	Arm drop								
	Forearm rotary								
	Forearm freedom								
	Finger tip support/strong								
Wrist	Drop								
	Roll								
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence								
	Fingering	3	30%		3	3	8%		3
Lateral movement									
<i>Articulations</i>									
Slur	2 or more notes slur					3	8%	3	3
	General					1	3%	1	1
Staccato	Finger								
	Wrist								
	Forearm								
	General								
Legato	Rotary								
	General					1	3%	1	1
Dynamics	Loud/soft (weight)	2	20%	2	2	27	68%	27	27
	Loud/Soft (speed)								
	Crescendo								
	Decrescendo								
	General								
Tenuto									
Phrasing	General					3	8%	3	
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern					8	20%		8
	Pedaling								
Hand coordination	RH only	3	30%		3	6	15%		6
	LH only	4	40%		4	6	15%		6
	Balance					1	3%	1	1
	Together					1	3%		1
	Alternatively	2	20%		2	23	58%		21
	Parallel motion								
	Contrary motion								
Not in framework	Move freely	2	20%		2	6	15%		6
	Arm hang loosely	1	10%		1	1	3%		1
	Bench face piano squarely	1	10%		1	1	3%		1
	Tone production	1	10%		1	1	3%		1
	2 notes together					2	5%		1
Number of technique elements*		25		4	23	104		41	94
Category as percent of total technique elements				16%	92%			39%	90%
Total no. of technique elements (not including recurrences)		15		3	13	23		8	21

*does not count the recurrence of the same technique element within the same page

Alfred's Basic Piano Library Technique 1A (1981)																	
Technique elements	Page number (occurrence of technique indicated by *)																
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Relaxation																	
Mind involvement																	
Tone quality																	
Listening skill																	
<i>Position</i>																	
Sitting posture	Distance																
	Height																
	Sitting area																
	Sit tall/straight																
	Feet on floor/stool																
	Shoulder free																
Hand position	Hand level																
	Wrist level																
	Forearm level																
	Elbow level																
	Curved finger tips																
	Arched hand																
	General																
Use of fingers	Finger pad																
	Thumb																
	Fifth finger																
<i>Basic Movement</i>																	
Upper/forearm	Arm Weight																
	Arm drop																
	Forearm rotary																
	Forearm freedom																
	Finger tip support/strong																
Wrist	Drop																
	Roll					*											
	Release																
Finger activity	Lift up height																
	Close to keys																
	Independence																
	Fingering																
Lateral movement																	
<i>Articulations</i>																	
Slur	2 or more notes slur					*	*	*	*	*	*				*	*	
	General																
Staccato	Finger																
	Wrist																
	Forearm																
	General																
Legato	Rotary																
	General												*				
Dynamics	Loud/soft (weight)																
	Loud/Soft (speed)																
	Crescendo																
	Decrescendo																
	General	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tenuto																	
Phrasing	General								*	*		*	*			*	*
	Scale																
Scale	Thumb crossing																
	Cluster																
	5 fingers pattern	*		*					*				*				
Pedalling																	
Hand coordination	RH only	*	*	*	*	*	*	*	*	*			*				
	LH only	*	*	*	*	*	*	*	*	*			*				
	Balance																
	Together			*	*	*	*	*	*				*		*	*	*
	Alternatively										*	*	*		*	*	*
	Parallel motion																
	Contrary motion																
	Move freely												*				
Not in framework	2 notes together								*		*	*		*	*	*	
	Repeated note																
Total number of technique elements	4	3	5	4	6	5	5	8	5	4	3	5	6	4	6	5	
Category as percent of total technique element																	
Total no. of technique elements (not including recurrences)																	

*does not count the recurrence of the same technique element within the same page

Alfred's Basic Piano Library Technique 1A (1981)											
Technique elements		Page number (occurrence of technique indicated by *)						Pages containing technique element		Total occurrences (no. of pages) by category	
		18	19	20	21	22	23	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation											
Mind involvement											
Tone quality											
Listening skill											
<i>Position</i>											
Sitting posture	Distance										
	Height										
	Sitting area										
	Sit tall/straight										
	Feet on floor/stool										
	Shoulder free										
Hand position	Hand level										
	Wrist level										
	Forearm level										
	Elbow level										
	Curved finger tips										
	Arched hand										
Use of fingers	General										
	Finger pad										
	Thumb										
Fifth finger											
<i>Basic Movement</i>											
Upper/forearm	Arm Weight										
	Arm drop										
	Forearm rotary										
	Forearm freedom										
	Finger tip support/strong										
Wrist	Drop										
	Roll						1	5%		1	
	Release										
Finger activity	Lift up height										
	Close to keys										
	Independence					*	1	5%		1	
	Fingering										
Lateral movement											
<i>Articulations</i>											
Slur	2 or more notes slur						8	36%	8	8	
	General										
Staccato	Finger										
	Wrist										
	Forearm										
	General	*		*	*		3	14%	3	3	
Legato	Rotary										
	General						1	5%	1	1	
Dynamics	Loud/soft (weight)										
	Loud/Soft (speed)										
	Crescendo	*	*	*	*		4	18%	4	4	
	Decrescendo	*	*	*	*		4	18%	4	4	
	General	*	*	*	*		20	91%	20	20	
Tenuto											
Phrasing	General		*	*	*		9	41%	9		
Scale	Thumb crossing										
	Cluster										
	5 fingers pattern			*	*		6	27%		6	
Pedalling											
Hand coordination	RH only					*	12	55%		12	
	LH only					*	12	55%		12	
	Balance										
	Together			*	*		11	50%		11	
	Alternatively	*	*	*	*		10	45%		10	
	Parallel motion										
	Contrary motion										
Not in framework	Move freely		*				2	9%		2	
	2 notes together			*	*		8	36%		8	
	Repeated note					*	2	9%	2	2	
Total number of technique elements occurrence		5	6	9	9	4	3	114		58	105
Category as percent of total technique element										51%	92%
Total no. of technique elements (not including recurrences)								17		9	16

*does not count the recurrence of the same technique element within the same page

Alfred's Basic Piano Library Technique 1A (1981)		Total occurrences for the first 10 pages			
		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of page	Percent of pages	Musical	Bio-mechanical
Relaxation					
Mind involvement					
Tone quality					
Listening skill					
<i>Position</i>					
Sitting posture	Distance				
	Height				
	Sitting area				
	Sit tall/straight				
	Feet on floor/stool				
	Shoulder free				
Hand position	Hand level				
	Wrist level				
	Forearm level				
	Elbow level				
	Curved finger tips				
	Arched hand				
	General				
Use of fingers	Finger pad				
	Thumb				
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong				
Wrist	Drop				
	Roll	1	10%		1
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering				
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur	6	6%	6	6
	General				
Staccato	Finger				
	Wrist				
	Forearm				
	General				
Legato	Rotary				
	General				
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General	10	10%	10	10
Tenuto					
Phrasing	General	2	2%	2	
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern	3	3%		3
Pedalling					
Hand coordination	RH only	9	9%		9
	LH only	9	9%		9
	Balance				
	Together	6	6%		6
	Alternatively	1	1%		1
	Parallel motion				
	Contrary motion				
Move freely					
Not in framework	2 notes together	2	2%		2
	Repeated note				
Total Number of technique elements*		49		18	47
Category as percent of total technique element				37%	96%
Total no. of technique elements (not including recurrences)		10		3	9

*does not count the recurrence of the same technique element within the same page

Alfred's Premier Piano Course Lesson 1A (2005)

		Page number (Occurrence of technique indicated by *)																
Technique elements		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Relaxation												*						
Mind involvement		*	*									*						
Tone quality																		
Listening skill																		
<i>Position</i>																		
Sitting posture	Distance	*																
	Height	*																
	Sitting area	*																
	Sit tall/straight	*										*						
	Feet on floor/stool	*																
	Shoulder free	*											*					
Hand position	Hand level	*																
	Wrist level						*											
	Forearm level	*																
	Elbow level	*																
	Curved finger tips																	
	Arched hand		*				*		*									
	General		*															
Use of fingers	Finger pad		*															
	Thumb		*															
	Fifth finger																	
<i>Basic Movement</i>																		
Upper/forearm	Arm Weight																	
	Arm drop																	
	Forearm rotary																	
	Forearm freedom																	
	Finger tip support/strong																	
Wrist	Drop																	
	Roll																	
	Release																	
Finger activity	Lift up height																	
	Close to keys																	
	Independence																	
	Fingering		*		*						*							*
Lateral movement																		
<i>Articulations</i>																		
Slur	2 or more notes slur																	
	General																	
Staccato	Finger																	
	Wrist																	
	Forearm																	
	General																	
Legato	Rotary																	
	General																	
Dynamics	Loud/soft (weight)																	
	Loud/Soft (speed)																	
	Crescendo																	
	Decrescendo																	*
	General				*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tenuto																		
Phrasing	General																	
Scale	Thumb crossing																	
	Cluster																	
	5 fingers pattern																	
Pedalling															*			
Hand coordination	RH only						*		*							*	*	*
	LH only					*	*	*								*	*	*
	Balance																	
	Together																	
	Alternatively			*	*					*	*	*	*	*	*			
	Parallel motion																	
	Contrary motion																	
Move freely					*	*	*	*							*	*	*	
Not in framework	Arms hang loosely	*	*															
	Hand relaxed		*															
	2 notes together				*													
	Firm 1st joint on finger								*									
Total number of technique elements		11	8	1	4	3	6	3	5	3	2	6	2	2	3	4	3	6
Category as percent of total technique elements																		
Total no. of technique elements (not including recurrences)																		

*does not count the recurrence of the same technique element within the same page

Alfred's Premier Piano Course Lesson 1A (2005)

Technique elements		Page number (occurrence of technique indicated by *)																	
		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Relaxation																			
Mind involvement																			
Tone quality																			
Listening skill																			
<i>Position</i>																			
Sitting posture	Distance																		
	Height																		
	Sitting area																		
	Sit tall/straight																		
	Feet on floor/stool																		
	Shoulder free																		
Hand position	Hand level																		
	Wrist level																		
	Forearm level																		
	Elbow level																		
	Curved finger tips																		
	Arched hand																		*
Use of fingers	General																		
	Finger pad																		
	Thumb																		
Fifth finger																			
<i>Basic Movement</i>																			
Upper/forearm	Arm Weight																		
	Arm drop																		
	Forearm rotary																		
	Forearm freedom																		
	Finger tip support/strong																		
Wrist	Drop																		
	Roll																		
	Release																		
Finger activity	Lift up height																		
	Close to keys																		
	Independence																		
	Fingering																		
Lateral movement																			
<i>Articulations</i>																			
Slur	2 or more notes slur																		
	General																		
Staccato	Finger																		
	Wrist																		
	Forearm																		
	General																		
Legato	Rotary																		
	General																		
Dynamics	Loud/soft (weight)																		
	Loud/Soft (speed)																		
	Crescendo	*	*	*															
	Decrescendo									*					*				
	General	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tenuto																			
Phrasing																			
Scale	General																		
	Thumb crossing																		
	Cluster																		
5 fingers pattern																			
Pedalling																			
Hand coordination	RH only	*								*		*					*		
	LH only	*											*	*			*	*	
	Balance																		
	Together																		*
	Alternatively		*	*	*	*	*	*	*	*	*	*			*				*
	Parallel motion																		
	Contrary motion																		
Move freely	*			*	*				*										
Not in framework	Arms hang loosely																		
	Hand relaxed																		
	2 notes together															*	*		
	Firm 1st joint on finger																		
Total number of technique elements		5	3	3	3	3	2	2	2	5	2	3	0	2	4	2	4	4	3
Category as percent of total technique elements																			
Total no. of technique elements (not including recurrences)																			

*does not count the recurrence of the same technique element within the same page

Alfred's Premier Piano Course Lesson 1A (2005)

Technique elements		Page number (occurrence of technique indicated by *)																	
		39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
Relaxation																			
Mind involvement								*	*				*						
Tone quality																			
Listening skill																			
<i>Position</i>																			
Sitting posture	Distance																		
	Height																		
	Sitting area																		
	Sit tall/straight																		
	Feet on floor/stool																		
	Shoulder free																		
Hand position	Hand level	*							*				*						
	Wrist level	*							*				*						
	Forearm level																		
	Elbow level																		
	Curved finger tips																		
	Arched hand																		
Use of fingers	General																		
	Finger pad								*				*						
	Thumb								*				*						
	Fifth finger								*				*						
<i>Basic Movement</i>																			
Upper/forearm	Arm Weight																		
	Arm drop																		
	Forearm rotary																		
	Forearm freedom																		
	Finger tip support/strong																		
Wrist	Drop																		
	Roll																		
	Release																		
Finger activity	Lift up height																		
	Close to keys																		
	Independence																		
	Fingering								*			*		*					
<i>Lateral movement</i>																			
<i>Articulations</i>																			
Slur	2 or more notes slur																		
	General																		
Staccato	Finger																		
	Wrist																		
	Forearm																		
	General																		
Legato	Rotary																		
	General																		
Dynamics	Loud/soft (weight)																		
	Loud/Soft (speed)																		
	Crescendo																		
	Decrescendo																		
	General		*	*	*	*		*	*	*	*	*		*	*	*	*	*	*
Tenuto																			
Phrasing	General																		
Scale	Thumb crossing																		
	Cluster																		
	5 fingers pattern	*		*					*				*						
Pedalling																			
Hand coordination	RH only	*							*				*					*	
	LH only						*		*	*			*					*	*
	Balance																		
	Together		*																
	Alternatively		*	*	*	*		*			*	*		*	*	*		*	*
	Parallel motion																		
	Contrary motion																		
Move freely														*					
Not in framework	Arms hang loosely																		
	Hand relaxed																		
	2 notes together			*															
	Firm 1st joint on finger																		
Total number of technique elements		4	3	4	2	2	1	4	10	2	2	3	9	3	3	2	3	2	2
Category as percent of total technique elements																			
Total no. of technique elements (not including recurrences)																			

*does not count the recurrence of the same technique element within the same page

Alfred's Premier Piano Course Lesson 1A (2005)

Technique elements	Page number (occurrence of technique indicated by *)							Total occurrences		Total occurrences (no. of pages) by category		
	57	58	59	60	61	62	63	Pages	Percent of pages	Musical	Bio-mechanical	
Relaxation								1	2%		1	
Mind involvement								6	10%	6	6	
Tone quality												
Listening skill												
<i>Position</i>												
Sitting posture	Distance							1	2%		1	
	Height							1	2%		1	
	Sitting area							1	2%		1	
	Sit tall/straight							2	3%		2	
	Feet on floor/stool							1	2%		1	
	Shoulder free							2	3%		2	
Hand position	Hand level							4	7%		4	
	Wrist level							4	7%		4	
	Forearm level							1	2%		1	
	Elbow level							1	2%		1	
	Curved finger tips											
	Arched hand							4	7%		4	
Use of fingers	General							1	2%		1	
	Finger pad							3	5%		3	
	Thumb							3	5%		3	
Use of fingers	Fifth finger							2	3%		2	
	<i>Basic Movement</i>											
Upper/forearm	Arm Weight											
	Arm drop											
	Forearm rotary											
	Forearm freedom											
	Finger tip support/strong											
Wrist	Drop											
	Roll											
	Release											
Finger activity	Lift up height											
	Close to keys											
	Independence											
	Fingering							7	12%		7	
<i>Lateral movement</i>												
<i>Articulations</i>												
Slur	2 or more notes slur											
	General											
Staccato	Finger											
	Wrist											
	Forearm											
	General											
Legato	Rotary											
	General											
Dynamics	Loud/soft (weight)											
	Loud/Soft (speed)											
	Crescendo						* *	5	8%	5	5	
	Decrescendo							3	5%	3	3	
Tenuto	General	*	*	*	*	*	*	*	51	85%	51	51
Phrasing	General											
Scale	Thumb crossing											
	Cluster											
	5 fingers pattern							2	3%		2	
Pedalling							6	10%	6			
Hand coordination	RH only	*						13	22%		13	
	LH only							17	28%		17	
	Balance											
	Together							2	3%		2	
	Alternatively		*	*	*	*	*	*	37	62%		37
	Parallel motion											
	Contrary motion											
Move freely								12	20%		12	
Not in framework	Arms hang loosely							2	3%		2	
	Hand relaxed							1	2%		1	
	2 notes together							4	7%		4	
	Firm 1st joint on finger							1	2%		1	
Total number of technique elements		2	2	2	2	2	3	3	201		71	195
Category as percent of total technique elements											35%	97%
Total no. of technique elements (not including recurrences)									32		5	31%

*does not count the recurrence of the same technique element within the same page

Alfred's Premier Piano Course Lesson 1A (2005)		Total occurrences for the first 10 pages				Total occurrences for the first 40 pages			
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation						1	3%		1
Mind involvement		2	20%	2	2	3	8%	3	3
Tone quality									
Listening skill									
<i>Position</i>									
Sitting posture	Distance	1	10%		1	1	3%		1
	Height	1	10%		1	1	3%		1
	Sitting area	1	10%		1	1	3%		1
	Sit tall/straight	1	10%		1	2	5%		2
	Feet on floor/stool	1	10%		1	1	3%		1
	Shoulder free	1	10%		1	2	5%		2
Hand position	Hand level	1	10%		1	2	5%		2
	Wrist level	1	10%		1	2	5%		2
	Forearm level	1	10%		1	1	3%		1
	Elbow level	1	10%		1	1	3%		1
	Curved finger tips								
	Arched hand	3	30%		3	4	10%		4
	General	1	10%		1	1	3%		1
Use of fingers	Finger pad	1	10%		1	1	3%		1
	Thumb	1	10%		1	1	3%		1
	Fifth finger								
<i>Basic Movement</i>									
Upper/forearm	Arm Weight								
	Arm drop								
	Forearm rotary								
	Forearm freedom								
	Finger tip support/strong								
Wrist	Drop								
	Roll								
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence								
	Fingering	3	30%		3	4	10%		4
Lateral movement									
<i>Articulations</i>									
Slur	2 or more notes slur								
	General								
Staccato	Finger								
	Wrist								
	Forearm								
	General								
Legato	Rotary								
	General								
Dynamics	Loud/soft (weight)								
	Loud/Soft (speed)								
	Crescendo					3	8%	3	3
	Decrescendo					3	8%	3	3
	General	7	70%	7	7	33	83%	33	33
Tenuto									
Phrasing	General								
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern								
Pedalling						6	15%	6	
Hand coordination	RH only	2	20%		2	9	23%		9
	LH only	3	30%		3	11	28%		11
	Balance								
	Together					2	5%		2
	Alternatively	4	40%		4	24	60%		24
	Parallel motion								
	Contrary motion								
Not in framework	Move freely	4	40%		4	11	28%		11
	Arms hang loosely	2	20%		2	2	5%		2
	Hand relaxed	1	10%		1	1	3%		1
	2 notes together	1	10%		1	4	10%		4
	Firm 1st joint on finger	1	10%		1	1	3%		1
Total number of technique elements		46		9	46	139		48	133
Category as percent of total technique elements				20%	100%			35%	96%
Total no. of technique elements (not including recurrences)		25		2	25	30		5	29

*does not count the recurrence of the same technique element within the same page

Alfred's Premier Piano Course Technique 1A (2005)

Technique elements		Page number (occurrence of technique indicated by *)																									
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
Relaxation		*	*																								
Mind involvement		*						*			*		*	*	*	*			*	*						*	*
Tone quality			*				*				*							*									
Listening skill									*										*	*					*	*	
<i>Position</i>																											
Sitting posture	Distance	*																									
	Height	*																									
	Sitting area																										
	Sit tall/straight	*																									
	Feet on floor/stool																										
	Shoulder free	*	*																								
Hand position	Hand level																										
	Wrist level																										
	Forearm level																										
	Elbow level																										
	Curved finger tips												*														
	Arched hand					*	*	*			*								*								
	General	*																									
Use of fingers	Finger pad				*	*																					
	Thumb									*									*	*							
	Fifth finger										*								*	*							
<i>Basic Movement</i>																											
Upper/forearm	Arm Weight		*		*	*	*	*											*		*	*					
	Arm drop																										
	Forearm rotary																										
	Forearm freedom																										
	Finger tip support/strong				*	*									*	*		*	*	*	*	*	*				
Wrist	Drop																										
	Roll																										
	Release																										
Finger activity	Lift up height																										
	Close to keys								*			*	*							*							
	Independence										*		*	*		*	*				*	*	*				
	Fingering																										
Lateral movement																											
<i>Articulations</i>																											
Slur	2 or more notes slur																										
	General																										
Staccato	Finger																										
	Wrist																										
	Forearm																										
	General																										
Legato	Rotary																										
	General																										
Dynamics	Loud/soft (weight)																										
	Loud/Soft (speed)																										
	Crescendo																										
	Decrescendo																										
	General		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tenuto																											
Phrasing	General																										
Scale	Thumb crossing																										
	Cluster																										
	5 fingers pattern																										
<i>Pedalling</i>																											
Hand coordination	RH only					*										*	*	*	*		*	*	*			*	
	LH only				*										*		*	*	*		*	*	*			*	
	Balance																			*	*				*	*	
	Together																			*	*				*	*	
	Alternatively	*	*			*	*	*	*	*	*	*	*	*	*				*	*				*	*	*	*
	Parallel motion																										
	Contrary motion																										
Move freely			*	*	*			*	*	*				*	*		*		*		*	*			*	*	
Not in framework	Arm relax/Heavy	*	*																								
	2 notes together		*	*				*																			
	3 notes together				*	*		*																			
	Finger weight						*	*																	*		
	Balance weight (arm & finger)						*																				
	Rotary (gentle hand rock)																										
	Feel the weight																										
Total number of technique elements		8	8	4	8	8	7	7	5	5	4	6	4	4	6	6	8	7	8	8	5	6	3	4	4	4	
Category as percent of total technique																											
Total no. of technique elements (not including recurrences)																											

*does not count the recurrence for the same technique element within the same page

Alfred's Premier Piano Course Technique 1A (2005)					Total occurrence for the first 10 pages								
Technique elements						Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
		28	29	30	31	Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation						2	7%		2	2	20%		2
Mind involvement			*	*	*	14	48%	14	14	3	30%	3	3
Tone quality						4	14%	4		2	20%	2	
Listening skill						5	17%	5		1	10%	1	
<i>Position</i>													
Sitting posture	Distance					1	3%		1	1	10%		1
	Height					1	3%		1	1	10%		1
	Sitting area												
	Sit tall/straight					1	3%		1	1	10%		1
	Feet on floor/stool												
	Shoulder free					2	7%		2	2	20%		2
Hand position	Hand level												
	Wrist level		*			1	3%		1				
	Forearm level												
	Elbow level												
	Curved finger tips					1	3%		1				
	Arched hand		*			6	21%		6	4	40%		4
	General					1	3%		1	1	10%		1
Use of fingers	Finger pad					2	7%		2	2	20%		2
	Thumb					3	10%		3	1	10%		1
	Fifth finger					3	10%		3				
<i>Basic Movement</i>													
Upper/forearm	Arm Weight					8	28%		8	5	50%		5
	Arm drop												
	Forearm rotary												
	Forearm freedom												
	Finger tip support/strong					8	28%		6	2	20%		2
Wrist	Drop												
	Roll												
	Release												
Finger activity	Lift up height												
	Close to keys					4	14%		4	1	10%		1
	Independence					5	17%		5				
	Fingering												
<i>Lateral movement</i>													
<i>Articulations</i>													
Slur	2 or more notes slur												
	General												
Staccato	Finger												
	Wrist												
	Forearm												
	General												
Legato	Rotary												
	General												
Dynamics	Loud/soft (weight)												
	Loud/Soft (speed)												
	Crescendo												
	Decrescendo												
	General	*	*	*	*	28	97%	28	28	9	90%	9	9
Tenuto													
Phrasing	General												
Scale	Thumb crossing												
	Cluster												
	5 fingers pattern												
Pedalling						3	10%	3					
Hand coordination	RH only	*	*			9	31%		9	1	10%		1
	LH only	*	*			8	28%		8	1	10%		1
	Balance			*	*	4	14%		4				
	Together					1	3%		1				
	Alternatively			*	*	16	55%		16	7	70%		7
	Parallel motion												
	Contrary motion												
	Move freely	*				12	41%		12	6	60%		6
Not in framework	Arm relax/Heavy					2	7%		2	2	20%		2
	2 notes together					3	10%		3	3	30%		3
	3 notes together					3	10%		3	3	30%		3
	Finger weight	*	*			5	17%		5	2	20%		2
	Balance weight (arm & finger)					1	3%		1	1	10%		1
	Rotary (gentle hand rock)		*	*	*	3	10%		3				
	Feel the weight		*			1	3%		1				
Total number of technique elements*		5	9	5	5	171		54	157	64		15	61
Category as percent of total technique								32%	92%			23%	95%
Total no. of technique elements (not including recurrences)						34		5	31	25		4	23

*does not count the recurrence for the same technique element within the same page

Bastien Piano Basics Primer Lesson (1985)

Technique elements		Page number (occurrence of technique indicated by*)																		
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Relaxation																				
Brain involvement																				
Tone quality																				
Listening skill																				
<i>Position</i>																				
Sitting posture	Distance																			
	Height																			
	Sitting area																			
	Sit tall/straight	*																		
	Feet on floor/stool	*																		
Shoulder free																				
Hand position	Hand level																			
	Wrist level	*																		
	Forearm level																			
	Elbow level																			
	Curved finger tips	*																		
	Arched hand																			
General																				
Use of fingers	Finger pad																			
	Thumb																			
	Fifth finger																			
<i>Basic Movement</i>																				
Upper/forearm	Arm Weight																			
	Arm drop																			
	Forearm rotary																			
	forearm freedom																			
	finger tip support/strong																			
Wrist	Drop																			
	Roll																			
	Release																			
Finger activity	Lift up height																			
	Close to keys																			
	Independence																			
	Fingering		*			*		*						*						
Lateral movement																				
<i>Articulations</i>																				
Slur	2 or more notes slur																			
	General																			
Staccato	Finger																			
	Wrist																			
	Forearm																			
	General																			
Legato	Rotary																			
	General													*						
Dynamics	Loud/soft (weight)																			
	Loud/Soft (speed)																			
	Crescendo																			
	Decrescendo																			
General																				
Tenuto																				
Phrasing	General																			
Scale	Thumb crossing																			
	Cluster																			
	5 fingers pattern														*					
<i>Pedaling</i>																				
Hand coordination	RH only			*	*		*						*	*						
	LH only			*	*	*							*	*						
	Balance																			
	Together																			
	Alternatively								*	*	*	*	*	*	*	*	*	*	*	
	Parallel motion																			
	Contrary motion																			
Move freely			*	*																
Not in framework	Eyes on music																			
	Lift hand (end of phrase)																			
	2 notes together																			
	3 notes together																			
Total number of technique elements		4	1	3	3	2	1	2	1	1	1	1	3	3	4	1	1	1	1	
Category as percent of total technique elements																				
Total no. of technique elements (not including recurrences)																				

*does not count the recurrence of the same technique element within the same page

Bastien Piano Basics Primer Lesson (1985)

Technique elements		Page number (occurrence of technique indicated by*)																
		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
Relaxation																		
Brain involvement																		
Tone quality																		
Listening skill																		
<i>Position</i>																		
Sitting posture	Distance																	
	Height																	
	Sitting area																	
	Sit tall/straight																	
	Feet on floor/stool																	
	Shoulder free																	
Hand position	Hand level																	
	Wrist level																	
	Forearm level																	
	Elbow level																	
	Curved finger tips																	
	Arched hand																	
	General																	
Use of fingers	Finger pad																	
	Thumb																	
	Fifth finger																	
<i>Basic Movement</i>																		
Upper/forearm	Arm Weight																	
	Arm drop																	
	Forearm rotary																	
	Forearm freedom																	
	Finger tip support/strong																	
Wrist	Drop																	
	Roll																	
	Release																	
Finger activity	Lift up height																	
	Close to keys																	
	Independence																	
	Fingering																	
<i>Lateral movement</i>																		
<i>Articulations</i>																		
Slur	2 or more notes slur																	
	General															*		
Staccato	Finger																	
	Wrist																	
	Forearm																	
	General																	
Legato	Rotary																	
	General															*		
Dynamics	Loud/soft (weight)																	
	Loud/Soft (speed)																	
	Crescendo																	
	Decrescendo																	
	General										*	*	*	*	*	*	*	*
Tenuto																		
Phrasing	General														*	*	*	
Scale	Thumb crossing																	
	Cluster																	
	5 fingers pattern					*		*		*								
<i>Pedalling</i>																		
Hand coordination	RH only					*	*											
	LH only							*	*									
	Balance																	
	Together																	
	Alternatively	*	*	*						*	*	*	*	*	*	*	*	*
	Parallel motion																	
	Contrary motion																	
Move freely																		
Not in framework	Eyes on music					*												
	Lift hand (end of phrase)													*				
	2 notes together																	
	3 notes together																	
Total number of technique elements		1	1	1	0	0	3	1	2	1	3	2	2	2	6	3	3	2
Category as percent of total technique elements																		
Total no. of technique elements (not including recurrences)																		

*does not count the recurrence of the same technique element within the same page

Bastien Piano Basics Primer Lesson (1985)

Technique elements		Page number (occurrence of technique indicated by*)															
		38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
Relaxation																	
Brain involvement																	
Tone quality																	
Listening skill																	
<i>Position</i>																	
Sitting posture	Distance																
	Height																
	Sitting area																
	Sit tall/straight																
	Feet on floor/stool																
	Shoulder free																
Hand position	Hand level																
	Wrist level																
	Forearm level																
	Elbow level																
	Curved finger tips																
	Arched hand																
	General																
Use of fingers	Finger pad																
	Thumb																
	Fifth finger																
<i>Basic Movement</i>																	
Upper/forearm	Arm Weight																
	Arm drop																
	Forearm rotary																
	Forearm freedom																
	Finger tip support/strong																
Wrist	Drop																
	Roll																
	Release																
Finger activity	Lift up height																
	Close to keys																
	Independence																
	Fingering																
<i>Lateral movement</i>																	
<i>Articulations</i>																	
Slur	2 or more notes slur																
	General																
Staccato	Finger																
	Wrist																
	Forearm																
	General																
Legato	Rotary																
	General																
Dynamics	Loud/soft (weight)																
	Loud/Soft (speed)																
	Crescendo																
	Decrescendo																
	General	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Tenuto																	
Phrasing	General	*	*		*	*		*	*	*	*	*	*	*	*	*	
Scale	Thumb crossing																
	Cluster																
	5 fingers pattern												*		*		
<i>Pedalling</i>																	
Hand coordination	RH only																
	LH only																
	Balance					*											
	Together			*		*	*					*	*	*		*	
	Alternatively	*	*	*	*	*		*	*	*	*	*	*	*	*	*	*
	Parallel motion																
	Contrary motion																
Move freely																	
Not in framework	Eyes on music																
	Lift hand (end of phrase)																
	2 notes together		*	*													
	3 notes together				*	*	*									*	
Total number of technique elements		3	3	5	3	6	4	2	3	3	3	3	4	5	4	4	5
Category as percent of total technique elements																	
Total no. of technique elements (not including recurrences)																	

*does not count the recurrence of the same technique element within the same page

Bastien Piano Basics Primer Lesson (1985)

Technique elements		Page number (occurrence of technique indicated by *)										Total occurrences		Total occurrences (no. of pages) by category				
		54	55	56	57	58	59	60	61	62	Pages	Percent of pages	Musical	Bio-mechanical				
Relaxation																		
Brain involvement																		
Tone quality																		
Listening skill																		
<i>Position</i>																		
Sitting posture	Distance																	
	Height																	
	Sitting area																	
	Sit tall/straight										1	2%		1				
	Feet on floor/stool										1	2%		1				
Shoulder free																		
Hand position	Hand level																	
	Wrist level									1	2%		1					
	Forearm level																	
	Elbow level																	
	Curved finger tips										1	2%		1				
Arched hand																		
General																		
Use of fingers	Finger pad																	
	Thumb																	
	Fifth finger																	
<i>Basic Movement</i>																		
Upper/forearm	Arm Weight																	
	Arm drop																	
	Forearm rotary																	
	Forearm freedom																	
	Finger tip support/strong																	
Wrist	Drop																	
	Roll																	
	Release																	
Finger activity	Lift up height																	
	Close to keys																	
	Independence																	
	Fingering										4	7%		4				
Lateral movement																		
<i>Articulations</i>																		
Slur	2 or more notes slur																	
	General									1	2%	1	1					
Staccato	Finger																	
	Wrist																	
	Forearm																	
	General			*	*	*		*	*	*	6	10%	6	6				
Legato	Rotary																	
	General									2	3%	2	2					
Dynamics	Loud/soft (weight)																	
	Loud/Soft (speed)																	
	Crescendo																	
	Decrescendo																	
General		*	*	*	*	*	*	*	*	33	56%	33	33					
Tenuto																		
Phrasing	General	*	*			*	*	*	*	22	37%	22	22					
Scale	Thumb crossing																	
	Cluster																	
	5 fingers pattern									6	10%		6					
<i>Pedaling</i>																		
Hand coordination	RH only									7	12%		7					
	LH only									7	12%		7					
	Balance									1	2%	1	1					
	Together	*	*	*	*		*	*	*	*	15	25%		15				
	Alternatively	*		*	*	*		*	*	*	43	73%		43				
	Parallel motion																	
	Contrary motion																	
Move freely										2	3%		2					
Not in framework	Eyes on music									1	2%		1					
	Lift hand (end of phrase)									1	2%	1	1					
	2 notes together	*	*				*	*	*	7	12%		7					
	3 notes together					*			*	6	10%		6					
Total number of technique elements		5	4	4	4	5	4	6	6	4	168		66	168				
Category as percent of total technique elements													39%	100%				
Total no. of technique elements (not including recurrences)											21		7	21				

*does not count the recurrence of the same technique element within the same page

Bastien Piano Basics Primer Lesson (1985)		Total occurrences for the first 40 pages				Total occurrences for the first 10 pages			
Technique elements		Pages containing technique element		Total Occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation									
Brain involvement									
Tone quality									
Listening skill									
<i>Position</i>									
Sitting posture	Distance								
	Height								
	Sitting area								
	Sit tall/straight	1	3%		1	1	10%		1
	Feet on floor/stool	1	3%		1	1	10%		1
Shoulder free									
Hand position	Hand level								
	Wrist level	1	3%		1	1	10%		1
	Forearm level								
	Elbow level								
	Curved finger tips	1	3%		1	1	10%		1
	Arched hand								
General									
Use of fingers	Finger pad								
	Thumb								
	Fifth finger								
<i>Basic Movement</i>									
Upper/forearm	Arm Weight								
	Arm drop								
	Forearm rotary								
	Forearm freedom								
	Finger tip support/strong								
Wrist	Drop								
	Roll								
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence								
	Fingering	4	10%		4	3	30%		3
Lateral movement									
<i>Articulations</i>									
Slur	2 or more notes slur								
	General	1	3%	1	1				
Staccato	Finger								
	Wrist								
	Forearm								
	General								
Legato	Rotary								
	General	2	5%	2	2				
Dynamics	Loud/soft (weight)								
	Loud/Soft (speed)								
	Crescendo								
	Decrescendo								
General		14	35%	14	14				
Tenuto									
Phrasing	General	7	18%	7	7				
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern	4	10%		4				
Pedaling									
Hand coordination	RH only	7	18%		7	3	30%		3
	LH only	7	18%		7	3	30%		3
	Balance	1	3%	1	1				
	Together	3	8%		3				
	Alternatively	27	68%		27	4	40%		4
	Parallel motion								
	Contrary motion								
Move freely		2	5%		2	2	20%		2
Not in framework	Eyes on music	1	3%		1				
	Lift hand (end of phrase)	1	3%	1	1				
	2 notes together	2	5%		2				
	3 notes together	3	8%		3				
Total number of technique elements*		90		26	90	19		0	19
Category as percent of total technique elements				29%	100%			0%	100%
Total no. of technique elements (not including recurrences)		20		6	20	9		0	9

*does not count the recurrence of the same technique element within the same page

Bastien Piano Basics Primer Technic (1985)

Technique elements		Page number (occurrence of technique indicated by *)																	
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Relaxation																			
Mind involvement																			
Tone quality																			
Listening skill																			
<i>Position</i>																			
Sitting posture	Distance																		
	Height																		
	Sitting area																		
	Sit tall/straight																		
	Feet on floor/stool																		
Shoulder free																			
Hand position	Hand level																		
	Wrist level																		
	Forearm level																		
	Elbow level																		
	Curved finger tips	*				*													
	Arched hand																		
General																			
Use of fingers	Finger pad																		
	Thumb																		
	Fifth finger																		
<i>Basic Movement</i>																			
Upper/forearm	Arm Weight																		
	Arm drop																		
	Forearm rotary																		
	Forearm freedom																		
	Finger tip support/strong																		
Wrist	Drop																		
	Roll									*	*								
	Release																		
Finger activity	Lift up height																		
	Close to keys																		
	Independence																		
	Fingering																		
Lateral movement																			
<i>Articulations</i>																			
Slur	2 or more notes slur																		
	General								*	*				*			*	*	
Staccato	Finger																		
	Wrist																		
	Forearm																		
	General																		
Legato	Rotary																		
	General	*				*													
Dynamics	Loud/soft (weight)																		
	Loud/Soft (speed)																		
	Crescendo																		
	Decrescendo																		
General	*				*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tenuto																			
Phrasing	General																		
Scale	Thumb crossing																		
	Cluster																		
	5 fingers pattern	*				*													
Pedalling																			
Hand coordination	RH only						*												
	LH only						*												
	Balance																		
	Together					*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Alternatively	*	*	*	*	*				*	*			*	*		*	*	*
	Parallel motion																		
	Contrary motion																		
Move freely																			
Not in framework	2 notes together												*	*					
	3 notes together														*				
Total number of technique elements		5	1	1	1	5	4	2	2	4	5	2	2	3	4	3	2	3	3
Category as percent of total technique elements																			
Total no. of technique elements (not including recurrences)																			

*does not count the recurrence of the same technique element within the same page

Bastien Piano Basics Primer Technic (1985)													
Technique elements		Page number (occurrences of technique indicated by *)											
		20	21	22	23	24	25	26	27	28	29	30	31
Relaxation													
Mind involvement													
Tone quality													
Listening skill													
<i>Position</i>													
Sitting posture	Distance												
	Height												
	Sitting area												
	Sit tall/straight												
	Feet on floor/stool												
	Shoulder free												
Hand position	Hand level												
	Wrist level												
	Forearm level												
	Elbow level												
	Curved finger tips												
	Arched hand												
Use of fingers	General												
	Finger pad												
	Thumb												
Fifth finger													
<i>Basic Movement</i>													
Upper/forearm	Arm Weight												
	Arm drop												
	Forearm rotary												
	Forearm freedom												
	Finger tip support/strong												
Wrist	Drop									*			
	Roll									*			
	Release												
Finger activity	Lift up height												
	Close to keys												
	Independence												
	Fingering												
Lateral movement													
<i>Articulations</i>													
Slur	2 or more notes slur									*			
	General	*	*	*				*					*
Staccato	Finger												
	Wrist												
	Forearm												
	General					*	*		*				*
Legato	Rotary												
	General												
Dynamics	Loud/soft (weight)												
	Loud/Soft (speed)												
	Crescendo												
	Decrescendo												
	General	*	*	*	*	*	*	*	*	*	*	*	*
Tenuto													
Phrasing	General												
Scale	Thumb crossing												
	Cluster												
	5 fingers pattern			*									
Pedaling													
Hand coordination	RH only												
	LH only												
	Balance												
	Together		*	*	*	*	*	*	*	*	*	*	*
	Alternatively	*	*		*						*		*
	Parallel motion												
	Contrary motion												
Move freely										*			
Not in framework	2 notes together			*									*
	3 notes together				*								
Total number of technique elements		3	4	5	4	3	3	3	3	5	3	2	6
Category as percent of total technique elements													
Total no. of technique elements (not including recurrences)													

*does not count the recurrence of the same technique element within the same page

Bastien Piano Basics Primer Technic (1985)						Total occurrences for the first 10 pages			
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation									
Mind involvement									
Tone quality									
Listening skill									
<i>Position</i>									
Sitting posture	Distance								
	Height								
	Sitting area								
	Sit tall/straight								
	Feet on floor/stool								
	Shoulder free								
Hand position	Hand level								
	Wrist level								
	Forearm level								
	Elbow level								
	Curved finger tips	2	7%		2	2			2
	Arched hand								
	General								
Use of fingers	Finger pad								
	Thumb								
	Fifth finger								
<i>Basic Movement</i>									
Upper/forearm	Arm Weight								
	Arm drop								
	Forearm rotary								
	Forearm freedom								
	Finger tip support/strong								
Wrist	Drop	1	3%		1				
	Roll	3	10%		3	2			2
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence								
	Fingering								
<i>Lateral movement</i>									
<i>Articulations</i>									
Slur	2 or more notes slur	1	3%	1	1				
	General	10	33%	10	10	2		2	2
Staccato	Finger								
	Wrist								
	Forearm								
	General	4	13%	4	4				
Legato	Rotary								
	General	2	7%	2	2	2		2	2
Dynamics	Loud/soft (weight)								
	Loud/Soft (speed)								
	Crescendo								
	Decrescendo								
	General	27	90%	27	27	7		7	7
Tenuto									
Phrasing	General								
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern	3	10%		3	2			2
<i>Pedaling</i>									
Hand coordination	RH only	1	3%		1	1			1
	LH only	1	3%		1	1			1
	Balance								
	Together	17	57%		17	4			4
	Alternatively	17	57%		17	7			7
	Parallel motion								
	Contrary motion								
Not in framework	Move freely	1	3%		1				
	2 notes together	4	13%		4				
	3 notes together	2	7%		2				
Total number of technique elements		96		44	96	30		11	30
Category as percent of total technique elements				46%	100%			37%	100%
Total no. of technique elements (not including recurrences)		16		5	16	10		3	10

*does not count the recurrence of the same technique element within the same page

Celebrate Piano 1A (2003)

Technique elements		Page number (occurrence of technique indicated by *)																			
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Relaxation																					
Mind involvement																					
Tone quality																					
Listening skill							*														
<i>Position</i>																					
Sitting posture	Distance																				
	Height																				
	Sitting area																				
	Sit tall/straight																				
	Feet on floor/stool																				
Shoulder free																					
Hand position	Hand level																				
	Wrist level																				
	Forearm level																				
	Elbow level																				
	Curved finger tips						*				*			*	*				*		
	Arched hand																				
General																					
Use of fingers	Finger pad																				
	Thumb																				
	Fifth finger																				
<i>Basic Movement</i>																					
Upper/forearm	Arm Weight																				
	Arm drop				*				*				*		*						
	Forearm rotary																				
	Forearm freedom																				
	Finger tip support/strong					*				*			*	*					*		
Wrist	Drop																				
	Roll																				
	Release																				
Finger activity	Lift up height																				
	Close to keys																				
	Independence																				
	Fingering		*							*											
<i>Lateral movement</i>																					
<i>Articulations</i>																					
Slur	2 or more notes slur																				
	General																				
Staccato	Finger																				
	Wrist																				
	Forearm																				
	General																				
Legato	Rotary																				
	General																			*	
Dynamics	Loud/soft (weight)																				
	Loud/Soft (speed)																				
	Crescendo																				
	Decrescendo																				
	General																			*	
Tenuto																					
Phrasing	General																				
Scale	Thumb crossing																				
	Cluster																				
	5 fingers pattern																				
<i>Pedaling</i>																					
Hand coordination	RH only			*			*		*		*							*	*		
	LH only			*			*		*		*							*	*		
	Balance																				
	Together																				
	Alternatively				*	*		*					*	*	*	*		*			
	Parallel motion																				
	Contrary motion																				
Move freely						*		*								*		*			
Not in framework	2 notes together			*		*	*	*		*		*	*	*	*		*	*		*	
	3 notes together				*	*	*	*	*			*	*	*	*		*	*		*	
	Lift up hand																				
Total number of technique elements		0	1	2	3	4	6	3	5	1	5	0	0	6	4	4	3	0	7	5	
Category as percent of total technique elements																					
Total no. of technique elements (not including recurrences)																					

*does not count the recurrence of the same technique element within the same page

Celebrate Piano 1A (2003)

Technique elements		Page number (occurrence of technique indicated by)																
		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Relaxation																		
Mind involvement		*				*												
Tone quality																		
Listening skill												*						
<i>Position</i>																		
Sitting posture	Distance																	
	Height																	
	Sitting area																	
	Sit tall/straight																	
	Feet on floor/stool																	
Shoulder free																		
Hand position	Hand level																	
	Wrist level																	
	Forearm level																	
	Elbow level																	
	Curved finger tips																	
	Arched hand																	
General																		
Use of fingers	Finger pad																	
	Thumb																	
	Fifth finger																	
<i>Basic Movement</i>																		
Upper/forearm	Arm Weight																	
	Arm drop																	
	Forearm rotary																	
	Forearm freedom																	
	Finger tip support/strong																	
Wrist	Drop																	
	Roll																	
	Release																	
Finger activity	Lift up height																	
	Close to keys																	
	Independence																	
	Fingering									*								
Lateral movement																		
<i>Articulations</i>																		
Slur	2 or more notes slur																	
	General																	
Staccato	Finger																	
	Wrist																	
	Forearm																	
	General																	
Legato	Rotary																	
	General	*											*	*				
Dynamics	Loud/soft (weight)																	
	Loud/Soft (speed)																	
	Crescendo																	
	Decrescendo																	
	General	*	*		*							*	*	*				*
Tenuto																		
Phrasing															*	*		
Scale	Thumb crossing																	
	Cluster																	
	5 fingers pattern																	
<i>Pedaling</i>																		
Hand coordination	RH only					*				*	*					*		
	LH only					*				*	*							
	Balance																	
	Together							*										
	Alternatively	*	*				*				*	*	*	*				
	Parallel motion																	
	Contrary motion																	
Move freely	*	*		*													*	
Not in framework	2 notes together																	
	3 notes together	*	*															
	Lift up hand												*	*				
Total number of technique elements		6	4	0	2	3	2	0	0	3	2	3	2	5	4	1	0	2
Category as percent of total technique elements																		
Total no. of technique elements (not including recurrences)																		

*does not count the recurrence of the same technique element within the same page

Celebrate Piano 1A (2003)

Technique elements		Page number (occurrence of technique indicated by *)																
		39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
Relaxation																		
Mind involvement																		
Tone quality																		
Listening skill		*										*						
<i>Position</i>																		
Sitting posture	Distance																	
	Height																	
	Sitting area																	
	Sit tall/straight																	
	Feet on floor/stool																	
Shoulder free																		
Hand position	Hand level																	
	Wrist level																	
	Forearm level																	
	Elbow level																	
	Curved finger tips																	
	Arched hand																	
Use of fingers	General																	
	Finger pad																	
	Thumb																	
Fifth finger																		
<i>Basic Movement</i>																		
Upper/forearm	Arm Weight																	
	Arm drop																	
	Forearm rotary																	
	Forearm freedom																	
	Finger tip support/strong																	
Wrist	Drop																	
	Roll																	
	Release																	
Finger activity	Lift up height																	
	Close to keys																	
	Independence																	
	Fingering		*									*	*					*
Lateral movement																		
<i>Articulations</i>																		
Slur	2 or more notes slur																	
	General																	
Staccato	Finger																	
	Wrist																	
	Forearm																	
	General																	
Legato	Rotary																	
	General	*	*		*						*							
Dynamics	Loud/soft (weight)																	
	Loud/Soft (speed)																	
	Crescendo																	
	Decrescendo																	
General		*			*					*		*	*	*				*
Tenuto																		
Phrasing	General	*	*		*		*			*	*	*						*
Scale	Thumb crossing																	
	Cluster																	
	5 fingers pattern																	
<i>Pedaling</i>																		
Hand coordination	RH only									*	*							
	LH only									*	*							
	Balance																	
	Together													*				*
	Alternatively		*		*		*	*				*	*	*				*
	Parallel motion																	
	Contrary motion																	
Move freely																		
Not in framework	2 notes together							*										
	3 notes together																	
	Lift up hand																	
Total number of technique elements		4	4	0	4	0	1	3	0	3	5	5	3	3	0	0	0	5
Category as percent of total technique elements																		
Total no. of technique elements (not including recurrences)																		

*does not count the recurrence of the same technique element within the same page

Celebrate Piano 1A (2003)

Technique elements		Page number (occurrence of technique indicated by *)																
		56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
Relaxation																		
Mind involvement				*			*	*					*		*		*	*
Tone quality																		
Listening skill							*								*			*
<i>Position</i>																		
Sitting posture	Distance																	
	Height																	
	Sitting area																	
	Sit tall/straight																	
	Feet on floor/stool																	
	Shoulder free																	
Hand position	Hand level																	
	Wrist level																	
	Forearm level																	
	Elbow level																	
	Curved finger tips	*							*									
	Arched hand																	
Use of fingers	General																	
	Finger pad																	
	Thumb																	
Basic Movement	Fifth finger																	
	Arm Weight																	
	Arm drop																	
Upper/forearm	Forearm rotary																	
	Forearm freedom																	
	Finger tip support/strong	*							*									
	Drop																	
	Roll																	
Wrist	Release																	
	Lift up height																	
	Close to keys																	
Finger activity	Independence																	
	Fingering				*		*	*	*				*	*				*
	Lateral movement																	
	<i>Articulations</i>																	
Slur	2 or more notes slur																	
	General																	
Staccato	Finger																	
	Wrist																	
	Forearm																	
	General	*																
Legato	Rotary																	
	General	*		*			*	*			*		*	*				*
Dynamics	Loud/soft (weight)																	
	Loud/Soft (speed)																	
	Crescendo																	
	Decrescendo																	
	General			*	*		*	*				*	*		*		*	*
Tenuto																		
Phrasing	General			*	*		*	*	*			*	*	*		*	*	*
Scale	Thumb crossing																	
	Cluster																	
	5 fingers pattern																	
Pedaling																		
Hand coordination	RH only	*			*			*	*									
	LH only	*			*			*										
	Balance																	
	Together				*		*											*
	Alternatively			*	*		*	*				*	*	*		*	*	*
	Parallel motion																	
	Contrary motion																	
	Move freely																	
Not in framework	2 notes together				*							*						*
	3 notes together																	
	Lift up hand																	
Total number of technique elements		6	0	5	8	0	8	6	7	0	0	2	6	4	6	0	4	8
Category as percent of total technique elements																		
Total no. of technique elements (not including recurrences)																		

*does not count the recurrence of the same technique element within the same page

Celebrate Piano 1A (2003)

Technique elements	Page number (occurrence of technique indicated by *)							Pages containing technique element		Total occurrences (no. of pages) by category		
	73	74	75	76	77	78	79	No. of page	Percent of pages	Musical	Bio-mechanical	
Relaxation												
Mind involvement	*					*	*	12	16%	12	12	
Tone quality												
Listening skill								7	9%	7		
<i>Position</i>												
Sitting posture	Distance											
	Height											
	Sitting area											
	Sit tall/straight											
	Feet on floor/stool											
Hand position	Shoulder free											
	Hand level											
	Wrist level											
	Forearm level											
	Elbow level											
	Curved finger tips								7	9%		7
Use of fingers	Arched hand											
	General											
	Finger pad											
	Thumb											
	Fifth finger											
<i>Basic Movement</i>												
Upper/forearm	Arm Weight											
	Arm drop							4	5%		4	
	Forearm rotary											
	Forearm freedom											
Wrist	Finger tip support/strong							7	9%		7	
	Drop											
	Roll											
Finger activity	Release											
	Lift up height											
	Close to keys											
	Independence											
Lateral movement	Fingering							13	17%		13	
	Articulations											
Slur	2 or more notes slur											
	General											
Staccato	Finger											
	Wrist											
	Forearm											
	General											
Legato	Rotary											
	General							16	21%	16	16	
Dynamics	Loud/soft (weight)											
	Loud/Soft (speed)											
	Crescendo											
	Decrescendo											
Tenuto	General	*				*	*	27	35%	27	27	
Phrasing	General					*	*	22	29%	22		
Scale	Thumb crossing											
	Cluster											
	5 fingers pattern											
<i>Pedaling</i>												
Hand coordination	RH only							16	21%		16	
	LH only							14	18%		14	
	Balance											
	Together						*	*	8	10%	8	8
	Alternatively	*	*				*	*	36	47%		36
	Parallel motion											
	Contrary motion											
Not in framework	Move freely							8	10%		8	
	2 notes together		*					13	17%		13	
	3 notes together							10	13%		10	
	Lift up hand							2	3%	2	2	
Total number of technique elements		3	2	0	0	0	5	5	222		94	193
Category as percent of total technique elements											42%	87%
Total no. of technique elements (not including recurrences)									17		7	15

*does not count the recurrence of the same technique element within the same page

Celebrate Piano 1A (2003)		Total occurrences for the first 10 pages				Total occurrences for the first 40 pages			
		Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation									
Mind involvement						2	2%	2	2
Tone quality									
Listening skill		1	10%	1		3	3%	3	
<i>Position</i>									
Sitting posture	Distance								
	Height								
	Sitting area								
	Sit tall/straight								
	Feet on floor/stool								
Shoulder free									
Hand position	Hand level								
	Wrist level								
	Forearm level								
	Elbow level								
	Curved finger tips	2	20%		2	5	5%		5
	Arched hand								
General									
Use of fingers	Finger pad								
	Thumb								
	Fifth finger								
<i>Basic Movement</i>									
Upper/forearm	Arm Weight								
	Arm drop	2	20%		2	4	4%		4
	Forearm rotary								
	Forearm freedom								
Finger tip support/strong		2	20%		2	5	5%		5
Wrist	Drop								
	Roll								
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence								
	Fingering	2	20%		2	4	4%		4
Lateral movement									
<i>Articulations</i>									
Slur	2 or more notes slur								
	General								
Staccato	Finger								
	Wrist								
	Forearm								
	General								
Legato	Rotary								
	General					7	6%	7	7
Dynamics	Loud/soft (weight)								
	Loud/Soft (speed)								
	Crescendo								
	Decrescendo								
	General					10	9%	10	10
Tenuto									
Phrasing	General					5	5%	5	
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern								
<i>Pedaling</i>									
Hand coordination	RH only	4	40%		4	10	9%		10
	LH only	4	40%		4	9	8%		9
	Balance								
	Together					1	1%	1	1
	Alternatively	3	30%		3	17	15%		17
	Parallel motion								
	Contrary motion								
Move freely		2	20%		2	8	7%		8
Not in framework	2 notes together	4	40%		4	8	7%		8
	3 notes together	4	40%		4	10	9%		10
	Lift up hand					2	2%	2	2
Total number of technique elements*		30		1	29	110		30	102
Category as percent of total technique elements				3%	97%			27%	93%
Total no. of technique elements (not including recurrences)		11		1	10	17		7	15

*does not count the recurrence of the same technique element within the same page

Music for Piano Finger Builders Book 1 Revised (2007)

Technique elements	Page number (occurrence of technique indicated by *)																		
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Relaxation																			
Mind involvement																			
Tone quality																			
Listening skill																			
<i>Position</i>																			
Sitting posture	Distance																		
	Height																		
	Sitting area																		
	Sit tall/straight																		
	Feet on floor/stool																		
Hand position	Shoulder free																		
	Hand level																		
	Wrist level																		
	Forearm level																		
	Elbow level																		
	Curved finger tips	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Use of fingers	Arched hand																		
	General																		
Use of fingers	Finger pad																		
	Thumb																		
	Fifth finger																		
<i>Basic Movement</i>																			
Upper/forearm	Arm Weight																		
	Arm drop																		
	Forearm rotary																		
	Forearm freedom																		
	Finger tip support/strong		*	*	*			*					*						
Wrist	Drop																		
	Roll																		
	Release																		
Finger activity	Lift up height																		
	Close to keys		*																
	Independence																		
	Fingering																		
<i>Lateral movement</i>																			
<i>Articulations</i>																			
Slur	2 or more notes slur																		
	General																		
Staccato	Finger																		
	Wrist																		
	Forearm																		
	General																		
Legato	Rotary																		
	General																		
Dynamics	Loud/soft (weight)																		
	Loud/Soft (speed)																		
	Crescendo																		
	Decrescendo																		
	General												*			*	*		*
Tenuto																			
Phrasing	General																		
Scale	Thumb crossing																		
	Cluster																		
	5 fingers pattern												*	*	*	*	*	*	*
<i>Pedaling</i>																			
Hand coordination	RH only	*	*	*	*	*	*	*	*	*	*	*							
	LH only	*	*	*	*	*	*	*	*	*	*	*							
	Balance																		
	Together												*	*	*		*	*	*
	Alternatively																		
	Parallel motion												*	*	*	*	*	*	
	Contrary motion																	*	*
Not in framework	Move freely																		
	Feel the weight in fingertips	*		*	*	*	*	*		*	*	*							
	Pull up slightly (finger)		*	*	*	*						*							
	Firm Knuckles										*	*				*	*		
	Wrist rotation														*		*	*	
	Broken chord																		
	3 notes together																		
	Scale-Tetracohrds																		
Arpeggio (minor)																			
Total number of technique elements	4	6	6	6	5	4	5	2	5	5	8	6	4	2	7	6	4	5	
Category as percent of total technique elements																			
Total no. of technique elements (not including recurrences)																			

*does not count the recurrence of the same technique element within the same page

Music for Piano Finger Builders Book 1 Revised (2007)		Page number (occurrence of technique indicated by *)																	
Technique elements		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
		Relaxation																	
Mind involvement																			
Tone quality																			
Listening skill																			
<i>Position</i>																			
Sitting posture	Distance																		
	Height																		
	Sitting area																		
	Sit tall/straight																		
	Feet on floor/stool																		
Hand position	Shoulder free																		
	Hand level																		
	Wrist level																		
	Forearm level																		
	Elbow level																		
	Curved finger tips																		
	Arched hand																		
Use of fingers	General																		
	Finger pad																		
	Thumb																		
<i>Basic Movement</i>	Fifth finger																		
	Upper/forearm	Arm Weight																	
	Arm drop																		
	Forearm rotary																		
	Forearm freedom																		
Wrist	Finger tip support/strong																		
	Drop	*						*											
	Roll	*						*											
Finger activity	Release																		
	Lift up height																		
	Close to keys																		
	Independence																		
Lateral movement	Fingering																		
	General																		
<i>Articulations</i>																			
Slur	2 or more notes slur																		
	General	*	*																
Staccato	Finger																		
	Wrist																		
	Forearm																		
	General							*	*					*	*				
Legato	Rotary																		
	General			*										*					
Dynamics	Loud/soft (weight)																		
	Loud/Soft (speed)																		
	Crescendo			*	*						*					*		*	*
	Decrescendo			*	*						*					*		*	*
Tenuto	General						*								*	*			
	General																		
Scale	Thumb crossing																		
	Cluster																		
	5 fingers pattern	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<i>Pedaling</i>																			
Hand coordination	RH only							*											
	LH only							*											
	Balance											*	*	*					
	Together	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Alternatively									*	*	*	*	*	*	*	*	*	*
	Parallel motion	*		*		*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Contrary motion				*														
Not in framework	Move freely																		
	Feel the weight in fingertips			*															
	Pull up slightly (finger)																		
	Firm Knuckles																		
	Wrist rotation	*		*						*									
	Broken chord									*	*			*		*	*		
	3 notes together									*	*								
	Scale-Tetracohrds											*	*						
Arpeggio (minor)																			
Total number of technique elements		7	3	8	5	3	4	8	4	7	7	2	3	7	5	6	5	5	5
Category as percent of total technique elements																			
Total no. of technique elements (not including recurrences)																			

*does not count the recurrence of the same technique element within the same page

Music for Piano Finger Builders Book 1 Revised (2007)												Pages containing technique element		Total occurrences (no. of pages) by category		
Technique elements	Page number (occurrence of technique indicated by *)											Number of pages	Percent of pages	Musical	Bio-mechanical	
	38	39	40	41	42	43	44	45	46	47						
Relaxation																
Mind involvement																
Tone quality																
Listening skill																
<i>Position</i>																
Sitting posture	Distance															
	Height															
	Sitting area															
	Sit tall/straight															
	Feet on floor/stool															
	Shoulder free															
Hand position	Hand level															
	Wrist level															
	Forearm level															
	Elbow level															
	Curved finger tips											14	30%		14	
	Arched hand															
General																
Use of fingers	Finger pad															
	Thumb															
	Fifth finger															
<i>Basic Movement</i>																
Upper/forearm	Arm Weight															
	Arm drop															
	Forearm rotary															
	Forearm freedom															
	Finger tip support/strong											5	11%		5	
Wrist	Drop					*	*				4	9%		4		
	Roll					*	*				4	9%		4		
	Release															
Finger activity	Lift up height															
	Close to keys								*		2	4%		2		
	Independence															
	Fingering															
<i>Lateral movement</i>																
<i>Articulations</i>																
Slur	2 or more notes slur					*	*				2	4%		2	2	
	General										2	4%		2	2	
Staccato	Finger															
	Wrist															
	Forearm															
	General										4	9%		4	4	
Legato	Rotary															
	General										2	4%		2	2	
Dynamics	Loud/soft (weight)															
	Loud/Soft (speed)															
	Crescendo					*					8	17%		8	8	
	Decrescendo					*					8	17%		8	8	
	General					*					9	20%		9	9	
Tenuto																
Phrasing	General															
Scale	Thumb crossing															
	Cluster															
	5 fingers pattern										24	52%		24		
<i>Pedaling</i>																
Hand coordination	RH only										12	26%		12		
	LH only										12	26%		12		
	Balance										3	7%		3	3	
	Together					*	*	*	*	*	27	59%		27		
	Alternatively	*	*	*							8	17%		8		
	Parallel motion					*	*				22	48%		22		
	Contrary motion							*	*		5	11%		5		
	Move freely			*	*						2	4%		2		
Not in framework	Feel the weight in fingertips										10	22%		10		
	Pull up slightly (finger)			*							6	13%		6		
	Firm Knuckles							*			5	11%		5		
	Wrist rotation							*			7	15%		7		
	Broken chord										5	11%		5		
	3 notes together										2	4%		2		
	Scale-Tetrachords	*	*								5	11%		5		
	Arpeggio (minor)			*	*					*	2	4%		2		
Total number of technique elements	2	2	4	4	6	5	5	2	2	5	221		38	221		
Category as percent of total technique elements													17%	100%		
Total no. of technique elements (not including recurrences)											29		8	29		

*does not count the recurrence of the same technique element within the same page

Music for Piano Finger Builder Book 1 Revised (2007)		Total occurrences for the first 10 pages				Total occurrences for the first 40 pages				
		Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category		
		Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical	
Technique elements										
Relaxation										
Mind involvement										
Tone quality										
Listening skill										
<i>Position</i>										
Sitting posture	Distance									
	Height									
	Sitting area									
	Sit tall/straight									
	Feet on floor/stool									
Shoulder free										
Hand position	Hand level									
	Wrist level									
	Forearm level									
	Elbow level									
	Curved finger tips	9	90%		9	14	7%		14	
	Arched hand									
General										
Use of fingers	Finger pad									
	Thumb									
	Fifth finger									
<i>Basic Movement</i>										
Upper/forearm	Arm Weight									
	Arm drop									
	Forearm rotary									
	Forearm freedom									
	Finger tip support/strong	4	40%		4	5	3%		5	
Wrist	Drop					2	1%		2	
	Roll					2	1%		2	
	Release									
Finger activity	Lift up height									
	Close to keys	1	10%		1	1	1%		1	
	Independence									
	Fingering									
Lateral movement										
<i>Articulations</i>										
Slur	2 or more notes slur									
	General					2	1%		2	
Staccato	Finger									
	Wrist									
	Forearm									
	General					4	2%		4	
Legato	Rotary									
	General					2	1%		2	
Dynamics	Loud/soft (weight)									
	Loud/Soft (speed)									
	Crescendo					7	4%		7	
	Decrescendo					7	4%		7	
	General					7	4%		7	
Tenuto										
Phrasing	General									
Scale	Thumb crossing									
	Cluster									
	5 fingers pattern					24	13%		24	
Pedaling										
Hand coordination	RH only	10	10%		10	12	6%		12	
	LH only	10	10%		10	12	6%		12	
	Balance					3	2%		3	
	Together					22	11%		22	
	Alternatively					7	4%		7	
	Parallel motion					19	10%		19	
	Contrary motion					3	2%		3	
	Move freely					2	1%		2	
Not in framework	Feel the weight in fingertips	8	8%		8	10	5%		10	
	Pull up slightly (finger)	4	4%		4	6	3%		6	
	Firm Knuckles	2	2%		2	4	2%		4	
	Wrist rotation					6	3%		6	
	Broken chord					5	3%		5	
	3 notes together					2	1%		2	
	Scale-Tetrachords					4	2%		4	
	Arpeggio (minor)					2	1%		2	
	Total number of technique elements*		48		0	48	196		32	196
	Category as percent of total technique elements				0%	100%			16%	100%
Total no. of technique elements (not including recurrences)		8		0	8	28		7	28	

*does not count the recurrence of the same technique element within the same page

Hal Leonard Piano Lesson Book 1 (1996)

Technique elements		Page number (occurrence of technique indicated by *)																
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Relaxation		*																
Mind involvement																		
Tone quality																		
Listening skill																		
<i>Position</i>																		
Sitting posture	Distance																	
	Height																	
	Sitting area																	
	Sit tall/straight	*																
	Feet on floor/stool																	
Shoulder free																		
Hand position	Hand level																	
	Wrist level	*																
	Forearm level																	
	Elbow level	*																
	Curved finger tips	*					*	*										
	Arched hand																	
General																		
Use of fingers	Finger pad																	
	Thumb																	
	Fifth finger																	
<i>Basic Movement</i>																		
Upper/forearm	Arm Weight																	
	Arm drop																	
	Forearm rotary																	
	Forearm freedom																	
	Finger tip support/strong																	
Wrist	Drop																	
	Roll																	
	Release																	
Finger activity	Lift up height																	
	Close to keys																	
	Independence																	
	Fingering				*													
Lateral movement																		
<i>Articulations</i>																		
Slur	2 or more notes slur																	
	General																	
Staccato	Finger																	
	Wrist																	
	Forearm																	
	General																	
Legato	Rotary																	
	General																	
Dynamics	Loud/soft (weight)																	
	Loud/Soft (speed)																	
	Crescendo																	
	Decrescendo																	
	General																	
Tenuto																		
Phrasing	General																	
Scale	Thumb crossing																	
	Cluster																	
	5 fingers pattern																	
Pedaling																		
Hand coordination	RH only									*		*						
	LH only									*	*							
	Balance																	
	Together																	
	Alternatively						*	*				*	*	*	*	*	*	*
	Parallel motion																	
	Contrary motion																	
Move freely				*	*	*	*	*	*									
Not in framework	Finger relax	*																
	Arm relax	*																
	1st joint of finger					*	*											
	3 notes together									*		*	*		*			
Total number of technique elements		7	0	1	1	3	4	2	0	4	1	1	2	2	1	2	1	1
Category as percent of total technique elements																		
Total no. of technique elements (not including recurrences)																		

*does not count the recurrence of the same technique element within the same page

Hal Leonard Piano Lesson Book 1 (1996)

Technique elements		Page number (occurrence of technique indicated by *)																	
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
Relaxation																			
Mind involvement																			
Tone quality																			
Listening skill																			
<i>Position</i>																			
Sitting posture	Distance																		
	Height																		
	Sitting area																		
	Sit tall/straight																		
	Feet on floor/stool																		
Shoulder free																			
Hand position	Hand level																		
	Wrist level																		
	Forearm level																		
	Elbow level																		
	Curved finger tips		*																
	Arched hand																		
General																			
Use of fingers	Finger pad																		
	Thumb																		
	Fifth finger																		
<i>Basic Movement</i>																			
Upper/forearm	Arm Weight																		
	Arm drop																		
	Forearm rotary																		
	Forearm freedom																		
	Finger tip support/strong																		
Wrist	Drop																		
	Roll																		
	Release																		
Finger activity	Lift up height																		
	Close to keys																		
	Independence																		
	Fingering																		
Lateral movement																			
<i>Articulations</i>																			
Slur	2 or more notes slur																		
	General																		
Staccato	Finger																		
	Wrist																		
	Forearm																		
	General																		
Legato	Rotary																		
	General																		
Dynamics	Loud/soft (weight)																		
	Loud/Soft (speed)																		
	Crescendo																		
	Decrescendo																		
General					*	*			*	*	*	*	*	*	*	*	*	*	
Tenuto																			
Phrasing	General																		
Scale	Thumb crossing																		
	Cluster																		
	5 fingers pattern																		
Pedaling																			
Hand coordination	RH only			*															
	LH only						*												*
	Balance																		
	Together																		
	Alternatively	*				*	*			*	*	*	*	*	*	*	*	*	*
	Parallel motion																		
	Contrary motion																		
Move freely		*	*				*												
Not in framework	Finger relax																		
	Arm relax																		
	1st joint of finger		*																
	3 notes together									*									
Total number of technique elements	1	3	2	0	2	2	2	0	2	3	2	2	2	2	2	2	0	1	
Category as percent of total technique elements																			
Total no. of technique elements (not including recurrences)																			

*does not count the recurrence of the same technique element within the same page

Hal Leonard Piano Lesson Book 1 (1996)

Technique elements		Page number (occurrence of technique indicated by *)																	
		38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
Relaxation																			
Mind involvement																			
Tone quality																			
Listening skill																			
<i>Position</i>																			
Sitting posture	Distance																		
	Height																		
	Sitting area																		
	Sit tall/straight																		
	Feet on floor/stool																		
	Shoulder free																		
Hand position	Hand level																		
	Wrist level																		
	Forearm level																		
	Elbow level																		
	Curved finger tips																		
	Arched hand																		
	General																		
Use of fingers	Finger pad																		
	Thumb																		
	Fifth finger																		
<i>Basic Movement</i>																			
Upper/forearm	Arm Weight																		
	Arm drop																		
	Forearm rotary																		
	Forearm freedom																		
	Finger tip support/strong																		
Wrist	Drop																		
	Roll																		
	Release																		
Finger activity	Lift up height																		
	Close to keys																		
	Independence																		
	Fingering																		
Lateral movement																			
<i>Articulations</i>																			
Slur	2 or more notes slur																		
	General																		
Staccato	Finger																		
	Wrist																		
	Forearm																		
	General																		
Legato	Rotary																		
	General																		
Dynamics	Loud/soft (weight)																		
	Loud/Soft (speed)																		
	Crescendo																		
	Decrescendo																		
	General	*	*	*	*		*	*	*	*	*	*	*		*	*	*	*	*
Tenuto																			
Phrasing	General																		
Scale	Thumb crossing																		
	Cluster																		
	5 fingers pattern																		
Pedaling																			
Hand coordination	RH only			*	*														
	LH only	*	*																
	Balance																		
	Together																		
	Alternatively						*	*	*	*	*	*	*		*	*	*	*	*
	Parallel motion																		
	Contrary motion																		
Move freely																			
Not in framework	Finger relax																		
	Arm relax																		
	1st joint of finger																		
	3 notes together																		
Total number of technique elements		2	2	2	2	0	2	2	2	2	2	2	0	2	2	2	2	2	2
Category as percent of total technique elements																			
Total no. of technique elements (not including recurrences)																			

*does not count the recurrence of the same technique element within the same page

Hal Leonard Piano Lesson Book 1 (1996)

Technique elements	Page number (occurrence of technique indicated by *)									Total occurrences		Total occurrences (no. of pages) by category	
	56	57	58	59	60	61	62	63	Pages	Percent of pages	Musical	Bio-mechanical	
Relaxation									1	2%		1	
Mind involvement													
Tone quality													
Listening skill													
<i>Position</i>													
Sitting posture	Distance												
	Height												
	Sitting area												
	Sit tall/straight								1	2%		1	
	Feet on floor/stool												
Shoulder free													
Hand position	Hand level												
	Wrist level								1	2%		1	
	Forearm level												
	Elbow level								1	2%		1	
	Curved finger tips								4	7%		4	
Arched hand													
General													
Use of fingers	Finger pad												
	Thumb												
	Fifth finger												
<i>Basic Movement</i>													
Upper/forearm	Arm Weight												
	Arm drop												
	Forearm rotary												
	Forearm freedom												
	Finger tip support/strong												
Wrist	Drop												
	Roll												
	Release												
Finger activity	Lift up height												
	Close to keys												
	Independence												
	Fingering								1	2%		1	
<i>Lateral movement</i>													
<i>Articulations</i>													
Slur	2 or more notes slur												
	General												
Staccato	Finger												
	Wrist												
	Forearm												
	General												
Legato	Rotary												
	General												
Dynamics	Loud/soft (weight)												
	Loud/Soft (speed)												
	Crescendo												
	Decrescendo												
General	*	*	*	*	*	*	*	*	34	56%	34	34	
Tenuto													
Phrasing	General												
Scale	Thumb crossing												
	Cluster												
	5 fingers pattern												
<i>Pedaling</i>													
Hand coordination	RH only								5	8%		5	
	LH only								6	10%		6	
	Balance												
	Together												
	Alternatively	*	*	*	*	*	*	*	39	64%		39	
	Parallel motion												
	Contrary motion												
Move freely								8	13%		8		
Not in framework	Finger relax								1	2%		1	
	Arm relax								1	2%		1	
	1st joint of finger								3	5%		3	
	3 notes together								5	8%		5	
Total number of technique elements	2	2	2	2	2	2	2	2	111		34	111	
Category as percent of total technique elements											31%	100%	
Total no. of technique elements (not including recurrences)									15		1	15	

*does not count the recurrence of the same technique element within the same page

Hal Leonard Piano Lesson Book 1 (1996)		Total occurrences for the first 10 pages				Total occurrence for the first 40 pages			
		Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Technique elements									
Relaxation						1	1		1
Mind involvement									
Tone quality									
Listening skill									
<i>Position</i>									
Sitting posture	Distance								
	Height								
	Sitting area								
	Sit tall/straight	1	10%		1	1	1		1
	Feet on floor/stool								
Shoulder free									
Hand position	Hand level								
	Wrist level	1	10%		1	1	1		1
	Forearm level								
	Elbow level	1	10%		1	1	1		1
	Curved finger tips	3	30%		3	4	6		4
Arched hand									
General									
Use of fingers	Finger pad								
	Thumb								
	Fifth finger								
<i>Basic Movement</i>									
Upper/forearm	Arm Weight								
	Arm drop								
	Forearm rotary								
	Forearm freedom								
	Finger tip support/strong								
Wrist	Drop								
	Roll								
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence								
	Fingering	1	10%		1	1	1		1
Lateral movement									
<i>Articulations</i>									
Slur	2 or more notes slur								
	General								
Staccato	Finger								
	Wrist								
	Forearm								
	General								
Legato	Rotary								
	General								
Dynamics	Loud/soft (weight)								
	Loud/Soft (speed)								
	Crescendo								
	Decrescendo								
	General					14	20	14	14
Tenuto									
Phrasing	General								
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern								
Pedaling									
Hand coordination	RH only	1	10%		1	5	7		5
	LH only	2	20%		2	6	8		6
	Balance								
	Together								
	Alternatively	2	20%		2	19	27		19
	Parallel motion								
	Contrary motion								
Move freely	5	50%		5	8	11		8	
Not in framework	Finger relax	1	10%		1	1	1		1
	Arm relax	1	10%		1	1	1		1
	1st joint of finger	2	20%		2	3	4		3
	3 notes together	1	10%		1	5	7		5
Total number of technique elements		22		0	22	71		14	71
Category as percent of total technique elements				0%	100%			20%	100%
Total no. of technique elements (not including recurrences)		13		0	13	15		1	15

*does not count the recurrence of the same technique element within the same page

Hal Leonard Piano Technique Book 1 (1996)

Technique elements		Pages number (occurrences of technique indicated by *)																	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Relaxation																			
Mind involvement		*								*				*					
Tone quality		*				*								*					
Listening skill										*									
<i>Position</i>																			
Sitting posture	Distance																		
	Height																		
	Sitting area																		
	Sit tall/straight																		
	Feet on floor/stool																		
	Shoulder free																		
Hand position	Hand level																		
	Wrist level																		
	Forearm level																		
	Elbow level																		
	Curved finger tips	*					*												
	Arched hand									*									
	General													*					
Use of fingers	Finger pad																		
	Thumb					*													
	Fifth finger																		
<i>Basic Movement</i>																			
Upper/forearm	Arm Weight	*				*								*					
	Arm drop																		
	Forearm rotary																		
	Forearm freedom																		
	Finger tip support/strong																		
Wrist	Drop																		
	Roll																		
	Release																		
Finger activity	Lift up height																		
	Close to keys	*								*				*					
	Independence																		
	Fingering																		
<i>Lateral movement</i>																			
<i>Articulations</i>																			
Slur	2 or more notes slur																		
	General																		
Staccato	Finger																		
	Wrist																		
	Forearm																		
	General									*				*					
Legato	Rotary									*				*					
	General									*				*					
Dynamics	Loud/soft (weight)					*		*	*	*	*	*	*	*	*	*	*	*	*
	Loud/Soft (speed)																		
	Crescendo																		
	Decrescendo																		
	General																		
Tenuto																			
Phrasing	General																		
Scale	Thumb crossing																		
	Cluster																		
	5 fingers pattern																		
Pedaling																			
Hand coordination	RH only	*				*		*									*	*	
	LH only	*				*		*							*	*		*	
	Balance													*					
	Together																		
	Alternatively		*	*	*		*				*	*	*						*
	Parallel motion																		
	Contrary motion																		
	Move freely																		
Not in framework	Arms hang naturally	*																	
	Hands hang naturally	*																	
	Feel the arm weight	*																	
	2 notes together	*																	
	3 notes together	*	*	*															
	Wrist bounce	*								*									
	Release arm weight	*																	
	Total number of technique elements		14	2	3	1	6	2	2	2	8	2	2	2	9	2	2	2	2
Category as percent of total technique elements																			
Total no. of technique elements (not including recurrences)																			

*does not count the recurrence of the same technique element within the same page

Hal Leonard Piano Technique Book 1 (1996)

Technique elements		Pages number (occurrences of technique indicated by *)											
		21	22	23	24	25	26	27	28	29	30	31	32
Relaxation													
Mind involvement			*					*					
Tone quality			*					*					
Listening skill			*					*					
<i>Position</i>													
Sitting posture	Distance												
	Height												
	Sitting area												
	Sit tall/straight												
	Feet on floor/stool												
Hand position	Shoulder free												
	Hand level												
	Wrist level												
	Forearm level												
	Elbow level												
	Curved finger tips												
Use of fingers	Arched hand												
	General		*					*					
Use of fingers	Finger pad												
	Thumb												
	Fifth finger												
<i>Basic Movement</i>													
Upper/forearm	Arm Weight		*					*					
	Arm drop												
	Forearm rotary							*					
	Forearm freedom												
	Finger tip support/strong												
Wrist	Drop												
	Roll												
	Release												
Finger activity	Lift up height												
	Close to keys												
	Independence												
	Fingering												
Lateral movement													
<i>Articulations</i>													
Slur	2 or more notes slur												
	General												
Staccato	Finger												
	Wrist												
	Forearm												
	General		*					*					
Legato	Rotary												
	General		*					*					
Dynamics	Loud/soft (weight)	*	*	*	*	*	*	*	*	*	*	*	*
	Loud/Soft (speed)												
	Crescendo												
	Decrescendo												
	General												
Tenuto													
Phrasing	General												
Scale	Thumb crossing												
	Cluster												
	5 fingers pattern												
Pedaling													
Hand coordination	RH only												
	LH only												
	Balance												
	Together												
	Alternatively	*		*	*	*	*		*	*	*	*	*
	Parallel motion												
	Contrary motion												
	Move freely												
Not in framework	Arms hang naturally												
	Hands hang naturally												
	Feel the arm weight												
	2 notes together												
	3 notes together												
	Wrist bounce		*					*					
	Release arm weight												
Total number of technique elements		2	9	2	2	2	2	10	2	2	2	2	2
Category as percent of total technique elements													
Total no. of technique elements (not including recurrences)													

*does not count the recurrence of the same technique element within the same page

Hal Leonard Piano Technique Book 1 (1996)						Total occurrence for the first 10 pages			
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation									
Mind involvement		5	17%	5	5	2	20%	2	2
Tone quality		5	17%	5		2	20%	2	
Listening skill		3	10%	3		1	10%	1	
<i>Position</i>									
Sitting posture	Distance								
	Height								
	Sitting area								
	Sit tall/straight								
	Feet on floor/stool								
Shoulder free									
Hand position	Hand level								
	Wrist level								
	Forearm level								
	Elbow level								
	Curved finger tips	2	7%		2	2	20%		2
	Arched hand	1	3%		1	1	10%		1
General	3	10%		3					
Use of fingers	Finger pad								
	Thumb	1	3%		1	1	10%		1
	Fifth finger								
<i>Basic Movement</i>									
Upper/forearm	Arm Weight	5	17%		5	2	20%		2
	Arm drop								
	Forearm rotary	1	3%		1				
	Forearm freedom	1	3%		1				
Finger tip support/strong									
Wrist	Drop								
	Roll								
	Release								
Finger activity	Lift up height								
	Close to keys	3	10%		3	2	20%		2
	Independence								
	Fingering								
Lateral movement									
<i>Articulations</i>									
Slur	2 or more notes slur								
	General								
Staccato	Finger								
	Wrist								
	Forearm								
	General	4	13%	4	4	1	10%	1	1
Legato	Rotary								
	General	4	13%	4	4	1	10%	1	1
Dynamics	Loud/soft (weight)	25	83%	25	25	5	50%	5	5
	Loud/Soft (speed)								
	Crescendo								
	Decrescendo								
General									
Tenuto									
Phrasing	General								
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern								
Pedaling									
Hand coordination	RH only	5	17%		5	3	30%		3
	LH only	5	17%		5	3	30%		3
	Balance	1	3%	1	1				
	Together								
	Alternatively	18	60%		18	5	50%		5
	Parallel motion								
	Contrary motion								
Move freely									
Not in framework	Arms hang naturally	1	3%		1	1	10%		1
	Hands hang naturally	1	3%		1	1	10%		1
	Feel the arm weight	1	3%		1	1	10%		1
	2 notes together	1	3%		1	1	10%		1
	3 notes together	3	10%		3	3	30%		3
	Wrist bounce	4	13%		4	2	20%		2
Release arm weight	1	3%		1	1	10%		1	
Total number of technique elements		104		47	96	41		12	38
Category as percent of total technique elements				45%	92%			29%	93%
Total no. of technique elements (not including recurrences)		25		7	23	21		6	19

*does not count the recurrence of the same technique element within the same page

Music for Piano Book 1 Revised (2006)

Technique elements		Page number (occurrences of technique indicated by *)																			
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Relaxation																					
Mind involvement																					
Tone quality																					
Listening skill																					
<i>Position</i>																					
Sitting posture	Distance																				
	Height																				
	Sitting area																				
	Sit tall/straight																				
	Feet on floor/stool																				
	Shoulder free																				
Hand position	Hand level																				
	Wrist level																				
	Forearm level																				
	Elbow level																				
	Curved finger tips																				
	Arched hand																				
Use of fingers	General																				
	Finger pad																				
	Thumb																				
<i>Basic Movement</i>																					
Upper/forearm	Fifth finger																				
	Arm Weight																				
	Arm drop																				
	Forearm rotary																				
	Forearm freedom																				
Wrist	Finger tip support/strong																				
	Drop																				
	Roll																				
Finger activity	Release																				
	Lift up height																				
	Close to keys																				
	Independence																				
Lateral movement	Fingering	*	*	*	*	*	*														
<i>Articulations</i>																					
Slurs	2 or more notes slur																				
	General																				*
Staccato	Finger																				
	Wrist																				
	Forearm																				
	General																				
Legato	Rotary																				
	General																				
Dynamics	Loud/soft (weight)																				
	Loud/Soft (speed)																				
	Crescendo																				*
	Decrescendo																				
	General																	*	*	*	*
Tenuto																					
Phrasing																					
Scale	General																				
	Thumb crossing																				
	Cluster																				
	5 fingers pattern	*	*	*	*	*	*					*	*	*	*	*	*	*	*	*	*
Pedaling																					
Hand coordination	RH only	*	*	*	*	*	*		*	*	*										
	LH only	*	*	*	*	*	*		*	*	*										
	Balance																				
	Together													*	*		*				*
	Alternatively												*	*	*	*	*	*	*	*	*
	Parallel motion																	*			
	Contrary motion																				
	Move freely							*													
Not in framework					*				*												
	Swing																				
	Accent																*				
	Triad (3 notes together)																				
	2 notes together																				
	Dorian Mode																				
Alberti Bass																					
Total number of technique elements		4	4	4	5	4	4	1	1	3	2	2	2	3	3	2	5	3	3	2	6
Category as percent of totall technique elements																					
Total no. of technique elements (not including recurrences)																					

*does not count the recurrence of the same technique element within the same page

Music for Piano Book 1 Revised (2006)

Technique elements		Page number (occurrences of technique indicated by *)																			
		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Relaxation																					
Mind involvement																					
Tone quality																					
Listening skill																					
<i>Position</i>																					
Sitting posture	Distance																				
	Height																				
	Sitting area																				
	Sit tall/straight																				
	Feet on floor/stool																				
	Shoulder free																				
Hand position	Hand level																				
	Wrist level																				
	Forearm level																				
	Elbow level																				
	Curved finger tips																				
	Arched hand																				
	General																				
Use of fingers	Finger pad																				
	Thumb																				
	Fifth finger																				
<i>Basic Movement</i>																					
Upper/forearm	Arm Weight																				
	Arm drop																				
	Forearm rotary																				
	Forearm freedom																				
	Finger tip support/strong																				
Wrist	Drop					*						*						*			
	Roll					*						*						*			
	Release																				
Finger activity	Lift up height																				
	Close to keys																				
	Independence																				
	Fingering																				
<i>Lateral movement</i>																					
<i>Articulations</i>																					
Slurs	2 or more notes slur																			*	
	General																				
Staccato	Finger																				
	Wrist					*						*		*							
	Forearm																				
	General																				
Legato	Rotary																				
	General																				
Dynamics	Loud/soft (weight)																				
	Loud/Soft (speed)																				
	Crescendo	*		*	*	*		*		*		*		*					*		
	Decrescendo	*		*	*	*		*		*		*		*		*			*		*
General	*		*	*	*		*		*		*		*		*	*		*	*	*	
Tenuto																					
Phrasing	General	*		*			*		*	*			*	*	*	*	*	*	*	*	*
Scale	Thumb crossing																				
	Cluster																				
	5 fingers pattern	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<i>Pedaling</i>																					
Hand coordination	RH only																				
	LH only																				
	Balance																				
	Together					*		*		*	*	*	*	*	*	*	*	*	*	*	*
	Alternatively	*		*	*	*	*	*		*		*		*		*		*		*	*
	Parallel motion					*															
	Contrary motion																				
Move freely						*															
Not in framework	Swing																				
	Accent																				
	Triad (3 notes together)						*	*	*	*	*	*	*	*	*	*					*
	2 notes together																	*			
	Dorian Mode																				
Alberti Bass																					
Total number of technique elements		6	0	5	6	10	4	7	3	4	7	3	8	5	7	5	4	7	3	5	6
Category as percent of totall technique elements																					
Total no. of technique elements (not including recurrences)																					

*does not count the recurrence of the same technique element within the same page

Music for Piano Book 1 Revised (2006)		Page number (occurrences of technique indicated by *)							Pages containing technique element		Total occurrences (no. of pages) by category	
Technique elements		42	43	44	45	46	47	48	Number of pages	Percent of pages	Musical	Bio-mechanical
		Relaxation										
Mind involvement												
Tone quality												
Listening skill												
<i>Position</i>												
Sitting posture	Distance											
	Height											
	Sitting area											
	Sit tall/straight											
	Feet on floor/stool											
	Shoulder free											
Hand position	Hand level											
	Wrist level											
	Forearm level											
	Elbow level											
	Curved finger tips											
	Arched hand											
	General											
Use of fingers	Finger pad											
	Thumb											
	Fifth finger											
<i>Basic Movement</i>												
Upper/forearm	Arm Weight											
	Arm drop											
	Forearm rotary											
	Forearm freedom											
	Finger tip support/strong											
Wrist	Drop								3	6%		3
	Roll								3	6%		3
	Release											
Finger activity	Lift up height											
	Close to keys											
	Independence											
	Fingering		*						7	15%		7
<i>Lateral movement</i>												
<i>Articulations</i>												
Slurs	2 or more notes slur								1	2%	1	1
	General								1	2%	1	1
Staccato	Finger											
	Wrist			*		*	*		6	13%	6	6
	Forearm											
	General											
Legato	Rotary											
	General											
Dynamics	Loud/soft (weight)											
	Loud/Soft (speed)											
	Crescendo	*	*	*	*	*	*		16	34%	16	16
	Decrescendo	*	*	*	*	*	*		13	28%	13	13
	General	*	*	*	*	*	*		23	49%	23	23
Tenuto												
Phrasing	General	*	*	*	*	*	*		19	40%	19	
Scale	Thumb crossing											
	Cluster											
	5 fingers pattern	*		*	*			*	39	83%		39
<i>Pedaling</i>												
Hand coordination	RH only							*	10	21%		10
	LH only								7	15%		7
	Balance			*					1	2%	1	1
	Together		*	*		*	*		21	45%		21
	Alternatively								16	34%		16
	Parallel motion								2	4%		2
	Contrary motion											
	Move freely								2	4%		2
Not in framework	Swing								2	4%		2
	Accent	*							2	4%	2	2
	Triad (3 notes together)	*		*					13	28%		13
	2 notes together		*		*	*	*		5	11%		5
	Dorian Mode		*						1	2%		1
	Alberti Bass			*					1	2%		1
Total number of technique elements		7	7	10	6	7	7	2	214		82	195
Category as percent of total technique elements											38%	91%
Total no. of technique elements (not including recurrences)									24		9	20

*does not count the recurrence of the same technique element within the same page

Music for Piano Book 1 Revised (2006)		Total occurrences for the first 10 pages				Total occurrences for the first 40 pages			
		Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation									
Mind involvement									
Tone quality									
Listening skill									
<i>Position</i>									
Sitting posture	Distance								
	Height								
	Sitting area								
	Sit tall/straight								
	Feet on floor/stool								
	Shoulder free								
Hand position	Hand level								
	Wrist level								
	Forearm level								
	Elbow level								
	Curved finger tips								
	Arched hand								
	General								
Use of fingers	Finger pad								
	Thumb								
	Fifth finger								
<i>Basic Movement</i>									
Upper/forearm	Arm Weight								
	Arm drop								
	Forearm rotary								
	Forearm freedom								
	Finger tip support/strong								
Wrist	Drop					3	2%		3
	Roll					3	2%		3
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence								
	Fingering	6	60%		6	6	4%		6
Lateral movement									
<i>Articulations</i>									
Slurs	2 or more notes slur					1	1%		1
	General					1	1%		1
Staccato	Finger								
	Wrist					3	2%		3
	Forearm								
	General								
Legato	Rotary								
	General								
Dynamics	Loud/soft (weight)								
	Loud/Soft (speed)								
	Crescendo					10	6%		10
	Decrescendo					8	5%		8
	General					17	10%		17
Tenuto									
Phrasing	General					13	8%		13
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern	7	70%		7	35	21%		35
Pedaling									
Hand coordination	RH only	9	90%		9	9	6%		9
	LH only	7	70%		7	7	4%		7
	Balance								
	Together					17	10%		17
	Alternatively					16	10%		16
	Parallel motion					2	1%		2
	Contrary motion								
	Move freely	1	10%		1	2	1%		2
Not in framework	Swing	2	20%		2	2	1%		2
	Accent					1	1%		1
	Triad (3 notes together)					11	7%		11
	2 notes together					1	1%		1
	Dorian Mode								
	Alberti Bass								
Total number of technique elements		32		0	32	168		54	155
Category as percent of total technique elements				0%	100%			32%	92%
Total no. of technique elements (not including recurrences)		6		0	6	21		8	20

*does not count the recurrence of the same technique element within the same page

Music Pathways Discoveries Lesson Book A (1983)

Technique elements		Pages number (occurrences of technique indicated by *)																					
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
Relaxation																							
Mind involvement			*								*								*				
Tone quality																							
Listening skill			*					*											*				
<i>Position</i>																							
Sitting posture	Distance																						
	Height																						
	Sitting area																						
	Sit tall/straight																						
	Feet on floor/stool																						
	Shoulder free																						
Hand position	Hand level																						
	Wrist level																						
	Forearm level																						
	Elbow level																						
	Curved finger tips																						
	Arched hand																						
Use of fingers	General	*				*		*															
	Finger pad																						
Use of fingers	Thumb																						
	Fifth finger																						
<i>Basic Movement</i>																							
Upper/forearm	Arm Weight																						
	Arm drop																						
	Forearm rotary																						
	Forearm freedom									*													
	Finger tip support/strong																						
Wrist	Drop																						
	Roll																						
	Release																						
Finger activity	Lift up height																						
	Close to keys																						
	Independence																						
	Fingering					*																	
Lateral movement																							
<i>Articulations</i>																							
Slur	2 or more notes slur																						
	General																						
Staccato	Finger																						
	Wrist																						
	Forearm																						
	General																						
Legato	Rotary																						
	General											*		*		*							
Dynamics	Loud/soft (weight)																						
	Loud/Soft (speed)																						
	Crescendo																						
	Decrescendo																						
	General			*				*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Tenuto																							
Phrasing	General																						
Scale	Thumb crossing																						
	Cluster																						
	5 fingers pattern																						
Pedaling																							
Hand coordination	RH only	*	*	*		*					*	*		*	*								
	LH only	*	*	*		*					*	*		*	*								
	Balance																						
	Together						*	*		*													
	Alternatively					*	*	*	*	*			*	*		*	*	*	*	*	*	*	
	Parallel motion																						
	Contrary motion																						
Not in framework	Move freely	*	*	*							*							*	*				
	Clusters	*	*	*		*																	
	2 notes together					*	*	*	*														
	Wrist free							*															
3 notes together								*															
Total number of technique elements		5	6	5	1	6	5	7	3	4	4	4	2	5	5	3	2	3	3	2	2		
Category as percent of total technique elements																							
Total no. of technique elements (not including recurrences)																							

*does not count the recurrence of the same technique element within the same page

Music Pathways Discoveries Lesson Book A (1983)

Technique elements		Pages number (occurrences of technique indicated by *)																				
		24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	
Relaxation																						
Mind involvement																						
Tone quality																						
Listening skill			*														*					
<i>Position</i>																						
Sitting posture	Distance																					
	Height																					
	Sitting area																					
	Sit tall/straight																					
	Feet on floor/stool																					
Shoulder free																						
Hand position	Hand level																					
	Wrist level																					
	Forearm level																					
	Elbow level																					
	Curved finger tips																					
	Arched hand																					
General																						
Use of fingers	Finger pad																					
	Thumb																					
	Fifth finger																					
<i>Basic Movement</i>																						
Upper/forearm	Arm Weight																					
	Arm drop																					
	Forearm rotary																					
	Forearm freedom																					
	Finger tip support/strong																					
Wrist	Drop																					
	Roll																					
	Release																					
Finger activity	Lift up height																					
	Close to keys																					
	Independence																					
	Fingering																					
Lateral movement																						
<i>Articulations</i>																						
Slur	2 or more notes slur																					
	General																					
Staccato	Finger																					
	Wrist																					
	Forearm																					
	General																					
Legato	Rotary																					
	General		*									*			*					*		
Dynamics	Loud/soft (weight)																					
	Loud/Soft (speed)																					
	Crescendo																					
	Decrescendo																					
	General	*	*	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tenuto																						
Phrasing																						
Scale	General																					
	Thumb crossing																					
	Cluster																					
5 fingers pattern																						
Pedaling											*											
Hand coordination	RH only				*							*			*					*		
	LH only				*							*			*					*		
	Balance																					
	Together														*							
	Alternatively	*	*	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Parallel motion																					
	Contrary motion																					
Move freely					*																	
Not in framework	Clusters										*											
	2 notes together							*					*	*								
	Wrist free																					
	3 notes together										*											
Total number of technique elements		2	4	2	3	2	2	3	2	4	2	3	5	3	3	5	3	2	2	5	2	
Category as percent of total technique elements																						
Total no. of technique elements (not including recurrences)																						

*does not count the recurrence of the same technique element within the same page

Music Pathways Discoveries Lesson Book A (1983)

Technique elements		Pages number (occurrences of technique indicated by *)																				
		44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Relaxation																						
Mind involvement																		*				
Tone quality																						
Listening skill		*							*								*					
<i>Position</i>																						
Sitting posture	Distance																					
	Height																					
	Sitting area																					
	Sit tall/straight																					
	Feet on floor/stool																					
	Shoulder free																					
Hand position	Hand level																					
	Wrist level																					
	Forearm level																					
	Elbow level																					
	Curved finger tips																					
	Arched hand																					
Use of fingers	General																					
	Finger pad																					
	Thumb																					
Fifth finger																						
<i>Basic Movement</i>																						
Upper/forearm	Arm Weight																					
	Arm drop																					
	Forearm rotary																					
	Forearm freedom																					
	Finger tip support/strong																					
Wrist	Drop																					
	Roll																					
	Release																					
Finger activity	Lift up height																					
	Close to keys																					
	Independence																					
	Fingering																					
Lateral movement																						
<i>Articulations</i>																						
Slur	2 or more notes slur																					
	General																					
Staccato	Finger																					
	Wrist																					
	Forearm																					
	General																	*	*			*
Legato	Rotary																					
	General	*				*												*				
Dynamics	Loud/soft (weight)																					
	Loud/Soft (speed)																					
	Crescendo																					
	Decrescendo																					
	General	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tenuto																						
Phrasing																						
Scale	General																					
	Thumb crossing																					
	Cluster																					
5 fingers pattern																						
<i>Pedaling</i>																						
Hand coordination	RH only					*				*							*		*			
	LH only					*				*							*		*			
	Balance																					
	Together				*					*							*		*			
	Alternatively	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Parallel motion																					
	Contrary motion																					
	Move freely																					
Not in framework	Clusters																					
	2 notes together					*		*	*	*	*		*		*		*		*	*		
	Wrist free																					
	3 notes together																					
Total number of technique elements		4	0	2	3	5	3	2	4	5	4	3	2	3	2	2	5	8	4	5	2	3
Category as percent of total technique elements																						
Total no. of technique elements (not including recurrences)																						

*does not count the recurrence of the same technique element within the same page

Music Pathways Discoveries Lesson Book A (1983)					Total occurrences for the first 10 pages			
Technique elements	Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
	Numebr of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation								
Mind involvement	4	7%	4	4	2	20%	2	2
Tone quality								
Listening skill	8	13%	8		2	20%	2	
<i>Position</i>								
Sitting posture	Distance							
	Height							
	Sitting area							
	Sit tall/straight							
	Feet on floor/stool							
Shoulder free								
Hand position	Hand level							
	Wrist level							
	Forearm level							
	Elbow level							
	Curved finger tips							
	Arched hand							
Use of fingers	General	3	5%		3	30%		3
	Finger pad							
	Thumb							
	Fifth finger							
<i>Basic Movement</i>								
Upper/forearm	Arm Weight							
	Arm drop							
	Forearm rotary							
	Forearm freedom	1	2%		1	10%		1
	Finger tip support/strong							
Wrist	Drop							
	Roll							
	Release							
Finger activity	Lift up height							
	Close to keys							
	Independence							
	Fingering	1	2%		1	10%		1
<i>Lateral movement</i>								
<i>Articulations</i>								
Slur	2 or more notes slur							
	General							
Staccato	Finger							
	Wrist							
	Forearm							
	General	3	5%	3	3			
Legato	Rotary							
	General	10	16%	10	10			
Dynamics	Loud/soft (weight)							
	Loud/Soft (speed)							
	Crescendo							
	Decrescendo							
General	55	90%	55	55	6	60%	6	6
Tenuto								
Phrasing	General							
Scale	Thumb crossing							
	Cluster							
	5 fingers pattern							
Pedaling		1	2%	1				
Hand coordination	RH only	16	26%		16	5	50%	5
	LH only	16	26%		16	5	50%	5
	Balance							
	Together	8	13%		8	3	30%	3
	Alternatively	51	84%		51	5	50%	5
	Parallel motion							
	Contrary motion							
Move freely	7	11%		7	4	40%	4	
Not in framework	Clusters	5	8%		5	4	40%	4
	2 notes together	16	26%		16	4	40%	4
	Wrist free	1	2%		1	1	10%	1
	3 notes together	1	2%		1			
Total number of technique elements	207		81	198	46		10	44
Category as percent of total technique elements			39%	98%			22%	96%
Total no. of technique elements (not including recurrences)	18		6	16	14		3	13

*does not count the recurrence of the same technique element within the same page

Music Pathways Discoveries Lesson Book A (1983)		Total occurrences for the first 40 pages			
		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical
Technique elements					
Relaxation					
Mind involvement		3	2%	3	3
Tone quality					
Listening skill		5	4%	5	
<i>Position</i>					
Sitting posture	Distance				
	Height				
	Sitting area				
	Sit tall/straight				
	Feet on floor/stool				
	Shoulder free				
Hand position	Hand level				
	Wrist level				
	Forearm level				
	Elbow level				
	Curved finger tips				
	Arched hand				
	General	3	2%		3
Use of fingers	Finger pad				
	Thumb				
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom	1	1%		1
	Finger tip support/strong				
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering	1	1%		1
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General				
Staccato	Finger				
	Wrist				
	Forearm				
	General				
Legato	Rotary				
	General	7	5%	7	7
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General	35	26%	35	35
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern				
Pedaling		1	1%	1	
Hand coordination	RH only	12	9%		12
	LH only	12	9%		12
	Balance				
	Together	4	3%		4
	Alternatively	31	23%		31
	Parallel motion				
	Contrary motion				
	Move freely	7	5%		7
Not in framework	Clusters	5	4%		5
	2 notes together	7	5%		7
	Wrist free	1	1%		1
	3 notes together	1	1%		1
Total number of technique elements		136		51	130
Category as percent of total technique elements				38%	96%
Total no. of technique elements (not including recurrences)		17		5	15

*does not count the recurrence of the same technique element within the same page

Piano Adventure Primer Lesson Book (2011)

Technique elements		Pages number (occurrence of technique indicated by *)																				
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
Relaxation		*																				
Mind involvement		*	*											*	*							
Tone quality																						
Listening skill					*								*									
<i>Position</i>																						
Sitting posture	Distance	*																				
	Height	*																				
	Sitting area	*																				
	Sit tall/straight	*																				
	Feet on floor/stool																					
	Shoulder free	*																				
Hand position	Hand level	*																				
	Wrist level																					
	Forearm level	*																				
	Elbow level																					
	Curved finger tips					*	*												*			
	Arched hand		*																			
Use of fingers	General																					
	Finger pad																					
	Thumb																					
Fifth finger																						
<i>Basic Movement</i>																						
Upper/forearm	Arm Weight																					
	Arm drop																					
	Forearm rotary																					
	Forearm freedom																					
	Finger tip support/strong				*									*								
Wrist	Drop																					
	Roll																					
	Release																					
Finger activity	Lift up height																					
	Close to keys																		*			
	Independence																					
	Fingering		*	*				*	*	*	*		*	*		*		*		*		
<i>Lateral movement</i>																						
<i>Articulations</i>																						
Slur	2 or more notes slur																					
	General																					
Staccato	Finger																					
	Wrist																					
	Forearm																					
	General																					
Legato	Rotary																					
	General																					
Dynamics	Loud/soft (weight)																					
	Loud/Soft (speed)																					
	Crescendo																					
	Decrescendo																					
	General																	*	*	*		
Tenuto																						
Phrasing	General																					
Scale	Thumb crossing																					
	Cluster																					
	5 fingers pattern																					
Pedaling													*									
Hand coordination	RH only						*		*		*											
	LH only						*		*		*											
	Balance																					
	Together													*								
	Alternatively												*	*	*		*	*	*	*		
	Parallel motion																					
	Contrary motion																					
Move freely					*	*	*	*	*	*									*			
Not in framework	Wrist loose		*																			
	2 notes together												*									
Total number of technique elements		9	3	1	3	3	3	3	3	3	3	0	4	5	4	0	2	2	3	4		
Category as percent of total technique elements																						
Total no. of technique elements (not including recurrences)																						

*does not count the recurrence of the same technique element within the same page

Piano Adventure Primer Lesson Book (2011)

Technique elements		Pages number (occurrence of technique indicated by *)																		
		23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Relaxation																				
Mind involvement									*							*		*	*	
Tone quality																				
Listening skill										*										
<i>Position</i>																				
Sitting posture	Distance																			
	Height																			
	Sitting area																			
	Sit tall/straight																			
	Feet on floor/stool																			
	Shoulder free																			
Hand position	Hand level																			
	Wrist level																			
	Forearm level																			
	Elbow level																			
	Curved finger tips		*											*						
	Arched hand																			
	General																*			
Use of fingers	Finger pad																			
	Thumb																*			
	Fifth finger																*			
<i>Basic Movement</i>																				
Upper/forearm	Arm Weight																			
	Arm drop																			
	Forearm rotary																			
	Forearm freedom																			
	Finger tip support/strong																	*		
Wrist	Drop																			
	Roll																			
	Release																			
Finger activity	Lift up height																			
	Close to keys																			
	Independence																			
	Fingering	*																*	*	
Lateral movement																				
<i>Articulations</i>																				
Slur	2 or more notes slur																			
	General																			
Staccato	Finger																			
	Wrist																			
	Forearm																			
	General																			
Legato	Rotary																			
	General																			
Dynamics	Loud/soft (weight)																			
	Loud/Soft (speed)																			
	Crescendo																			
	Decrescendo																			
	General	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Tenuto																				
Phrasing	General																			
Scale	Thumb crossing																			
	Cluster																			
	5 fingers pattern						*	*	*		*									
	General																			
Pedaling																				
Hand coordination	RH only															*	*			
	LH only																		*	
	Balance																			
	Together																	*	*	
	Alternatively	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Parallel motion																			
	Contrary motion																			
Not in framework	Move freely	*	*	*		*							*							
	Wrist loose																			
2 notes together																	*	*		
Total number of technique elements		4	3	3	2	3	3	3	4	3	2	3	0	3	2	6	3	6	5	
Category as percent of total technique elements																				
Total no. of technique elements (not including recurrences)																				

*does not count the recurrence of the same technique element within the same page

Piano Adventure Primer Lesson Book (2011)

Technique elements		Pages number (occurrence of technique indicated by *)																	
		40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
Relaxation																			
Mind involvement		*																	
Tone quality																			
Listening skill																			
<i>Position</i>																			
Sitting posture	Distance																		
	Height																		
	Sitting area																		
	Sit tall/straight																		
	Feet on floor/stool																		
Hand position	Shoulder free																		
	Hand level																		
	Wrist level																		
	Forearm level																		
	Elbow level																		
Use of fingers	Curved finger tips																		*
	Arched hand																		
	General																		
Use of fingers	Finger pad																		
	Thumb																		
	Fifth finger																		
<i>Basic Movement</i>																			
Upper/forearm	Arm Weight																		
	Arm drop																		
	Forearm rotary																		
	Forearm freedom																		
	Finger tip support/strong																		
Wrist	Drop																		
	Roll																		
	Release																		
Finger activity	Lift up height																		
	Close to keys																		
	Independence																		
	Fingering	*	*	*	*	*		*	*	*	*	*	*		*	*	*		
<i>Lateral movement</i>																			
<i>Articulations</i>																			
Slur	2 or more notes slur																		
	General																		
Staccato	Finger																		
	Wrist																		
	Forearm																		
	General																		
Legato	Rotary																		
	General																		
Dynamics	Loud/soft (weight)																		
	Loud/Soft (speed)																		
	Crescendo																		
	Decrescendo																		
	General	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tenuto																			
Phrasing																			
Scale	General																		
	Thumb crossing																		
	Cluster																		
Pedaling	5 fingers pattern				*														
																			*
Hand coordination	RH only			*	*		*						*						
	LH only	*																*	
	Balance																		
	Together	*												*					*
	Alternatively		*			*		*	*	*	*	*	*	*	*	*	*	*	*
	Parallel motion																		
	Contrary motion																		
Move freely						*													
Not in framework	Wrist loose																		
	2 notes together											*	*						
Total number of technique elements		5	3	3	4	3	3	3	3	3	3	4	4	2	4	3	4	3	3
Category as percent of total technique elements																			
Total no. of technique elements (not including recurrences)																			

*does not count the recurrence of the same technique element within the same page

Piano Adventure Primer Lesson Book (2011)

Technique elements		Pages number (occurrence of technique indicated by *)													
		58	59	60	61	62	63	64	65	66	67	68	69	70	71
Relaxation															
Mind involvement															
Tone quality															
Listening skill											*				
<i>Position</i>															
Sitting posture	Distance														
	Height														
	Sitting area														
	Sit tall/straight														
	Feet on floor/stool														
Hand position	Shoulder free														
	Hand level														
	Wrist level														
	Forearm level														
	Elbow level														
	Curved finger tips		*												
Use of fingers	Arched hand														
	General														
	Finger pad														
Basic Movement	Thumb														
	Fifth finger														
	Upper/forearm														
Wrist	Arm Weight														
	Arm drop														
	Forearm rotary														
	Forearm freedom														
	Finger tip support/strong														
Finger activity	Drop														
	Roll														
	Release														
Lateral movement	Lift up height														
	Close to keys														
	Independence														
	Fingering	*		*	*	*		*	*	*	*	*			
Articulations	Slur														
	2 or more notes slur														
Staccato	General														
	Finger														
	Wrist														
	Forearm														
Legato	General														
	Rotary														
Dynamics	General	*	*	*	*	*	*	*	*	*		*	*	*	*
	Loud/soft (weight)														
	Loud/Soft (speed)														
	Crescendo														
	Decrescendo													*	*
Tenuto	General														
Scale	Phrasing														
	General														
	Thumb crossing														
Pedaling	Cluster														
	5 fingers pattern	*		*	*		*	*	*				*	*	
Hand coordination	General										*				
	RH only						*								
	LH only	*	*												
	Balance														
	Together					*						*	*	*	*
	Alternatively	*		*	*	*		*	*	*	*	*	*	*	*
	Parallel motion														
Contrary motion															
Not in framework	Move freely										*				
	Wrist loose														
2 notes together						*							*	*	
Total number of technique elements		5	3	4	4	5	2	4	4	4	5	4	2	6	6
Category as percent of total technique elements															
Total no. of technique elements (not including recurrences)															

*does not count the recurrence of the same technique element within the same page

Piano Adventure Primer Lesson Book (2011)					
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation		1	1%		1
Mind involvement		8	12%	8	8
Tone quality					
Listening skill		4	6%	4	
<i>Position</i>					
Sitting posture	Distance	1	1%		1
	Height	1	1%		1
	Sitting area	1	1%		1
	Sit tall/straight	1	1%		1
	Feet on floor/stool				
Hand position	Shoulder free	1	1%		1
	Hand level	1	1%		1
	Wrist level				
	Forearm level	1	1%		1
	Elbow level				
	Curved finger tips	7	10%		7
Use of fingers	Arched hand	1	1%		1
	General	1	1%		1
	Finger pad				
Basic Movement	Thumb	1	1%		1
	Fifth finger	1	1%		1
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong	3	4%		3
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence	1	1%		1
	Fingering	35	51%		35
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General				
Staccato	Finger				
	Wrist				
	Forearm				
	General				
Legato	Rotary				
	General				
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo	2	3%	2	2
Tenuto	General	47	69%	47	47
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern	13	19%		13
Pedaling		3	4%		3
Hand coordination	RH only	10	15%		10
	LH only	7	10%		7
	Balance				
	Together	9	13%	9	9
	Alternatively	45	66%		45
	Parallel motion				
	Contrary motion				
Not in framework	Move freely	14	21%		14
	Wrist loose	1	1%		1
	2 notes together	8	12%		8
Total number of technique elements		229		70	225
Category as percent of total technique elements				31%	98%
Total no. of technique elements (not including recurrences)		29		5	28

*does not count the recurrence of the same technique element within the same page

Piano Adventures Primer Lesson (2011)		Total occurrences for the first 10 pages				Total occurrences for the first 40 pages			
		Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Technique elements									
Relaxation		1	10%		1	1	1%		1
Mind involvement		2	20%	2	2	8	7%	8	8
Tone quality									
Listening skill		1	10%	1		3	3%	3	
<i>Position</i>									
Sitting posture	Distance	1	10%		1	1	1%		1
	Height	1	10%		1	1	1%		1
	Sitting area	1	10%		1	1	1%		1
	Sit tall/straight	1	10%		1	1	1%		1
	Feet on floor/stool								
	Shoulder free	1	10%		1	1	1%		1
Hand position	Hand level	1	10%		1	1	1%		1
	Wrist level								
	Forearm level	1	10%		1	1	1%		1
	Elbow level								
	Curved finger tips	2	20%		2	5	4%		5
	Arched hand	1	10%		1	1	1%		1
	General					1	1%		1
Use of fingers	Finger pad								
	Thumb					1	1%		1
	Fifth finger					1	1%		1
<i>Basic Movement</i>									
Upper/forearm	Arm Weight								
	Arm drop								
	Forearm rotary								
	Forearm freedom								
	Finger tip support/strong	1	10%		1	3	3%		3
Wrist	Drop								
	Roll								
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence					1	1%		1
	Fingering	6	60%		6	16	11%		16
<i>Lateral movement</i>									
<i>Articulations</i>									
Slur	2 or more notes slur								
	General								
Staccato	Finger								
	Wrist								
	Forearm								
	General								
Legato	Rotary								
	General								
Dynamic	Loud/soft (weight)								
	Loud/Soft (speed)								
	Crescendo								
	Decrescendo								
	General					20	15%	20	20
Tenuto									
Phrasing	General								
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern					5	3%		5
Pedaling						1	1%		1
Hand coordination	RH only	3	30%		3	7	4%		7
	LH only	3	30%		3	4	3%		4
	Balance								
	Together					3	3%	3	3
	Alternatively					22	19%		22
	Parallel motion								
	Contrary motion								
	Move freely	6	60%		6	12	10%		12
Not in framework	Wrist loose	1	10%		1	1	1%		1
	2 notes together					3	3%		3
Total number of technique elements		34		3	33	126		34	123
Category as percent of total technique elements				9%	97%			27%	98%
Total no. of technique elements (not including recurrences)		18		2	17	28		4	27

*does not count the recurrence of the same technique element within the same page

Piano Adventure Primer Technique Book (2011)

Technique elements	Page number (occurrence of technique indicated by *)																			
	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
Relaxation		*																		
Mind involvement	*				*	*		*	*				*				*			
Tone quality																				
Listening skill					*	*							*							
<i>Position</i>																				
Sitting posture	Distance	*																		
	Height																			
	Sitting area	*																		
	Sit tall/straight	*																		
	Feet on floor/stool																			
Shoulder free																				
Hand position	Hand level																			
	Wrist level	*																		
	Forearm level																			
	Elbow level																			
	Curved finger tips	*								*	*					*				
	Arched hand	*				*	*	*	*						*		*			
General																				
Use of fingers	Finger pad																			
	Thumb		*									*	*						*	
	Fifth finger																			
<i>Basic Movement</i>																				
Upper/forearm	Arm Weight		*							*	*					*				
	Arm drop		*																	
	Forearm rotary																			
	Forearm freedom																			
	Finger tip support/strong		*	*	*	*	*			*	*							*		
Wrist	Drop																			
	Roll									*	*									
	Release																			
Finger activity	Lift up height																			
	Close to keys																			
	Independence																			
	Fingering			*	*															
<i>Lateral movement</i>																				
<i>Articulations</i>																				
Slur	2 or more notes slur																			
	General																			
Staccato	Finger																			
	Wrist																			
	Forearm																			
	General																			
Legato	Rotary																			
	General																			
Dynamics	Loud/soft (weight)																			
	Loud/Soft (speed)																			
	Crescendo																			
	Decrescendo																			
	General			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
<i>Tenuto</i>																				
Phrasing	General																			
Scale	Thumb crossing																			
	Cluster																			
	5 fingers pattern										*	*								
<i>Pedaling</i>																				
Hand coordination	RH only					*	*		*	*	*		*			*			*	
	LH only			*				*	*	*		*							*	
	Balance																			
	Together																	*		
	Alternatively					*	*								*	*				
	Parallel motion																			
	Contrary motion																			
Move freely							*	*			*	*	*			*	*			
Not in framework	Body: middle of keyboard	*																		
	3 notes together					*	*													
	2 notes together					*	*								*					
	Good sitting posture																			
Total number of technique elements		8	5	4	3	9	9	4	5	7	6	5	5	5	4	5	6	4		
Category as percent of total technique elements																				
Total no. of technique elements (not including recurrences)																				

*does not count the recurrence of the same technique element within the same page

Piano Adventure Primer Technique Book (2011)													
Technique elements		Page number (occurrence of technique indicated by *)											
		21	22	23	24	25	26	27	28	29	30	31	32
Relaxation													
Mind involvement		*			*	*			*	*	*	*	
Tone quality													
Listening skill										*			
<i>Position</i>													
Sitting posture	Distance												
	Height												
	Sitting area												
	Sit tall/straight												
	Feet on floor/stool												
	Shoulder free												
Hand position	Hand level												
	Wrist level												
	Forearm level												
	Elbow level												
	Curved finger tips												
	Arched hand		*				*						
Use of fingers	General												
	Finger pad												
	Thumb		*										
Fifth finger													
<i>Basic Movement</i>													
Upper/forearm	Arm Weight												
	Arm drop												
	Forearm rotary												
	Forearm freedom												
	Finger tip support/strong				*								
Wrist	Drop												
	Roll										*		
	Release												
Finger activity	Lift up height												
	Close to keys												
	Independence												
	Fingering												
Lateral movement													
<i>Articulations</i>													
Slur	2 or more notes slur												
	General												
Staccato	Finger												
	Wrist												
	Forearm												
	General												
Legato	Rotary												
	General												
Dynamics	Loud/soft (weight)												
	Loud/Soft (speed)												
	Crescendo												
	Decrescendo												
	General	*	*	*	*	*	*	*	*	*	*	*	*
Tenuto													
Phrasing													
Scale	General												
	Thumb crossing												
	Cluster												
5 fingers pattern													
Pedaling					*	*		*		*			
Hand coordination	RH only		*										
	LH only			*									
	Balance							*		*			
	Together									*	*		*
	Alternatively	*			*	*	*	*	*	*	*	*	*
	Parallel motion												
	Contrary motion												
	Move freely	*	*	*			*		*	*			*
Not in framework	Body: middle of keyboard												
	3 notes together												
	2 notes together										*		
	Good sitting posture							*					
Total number of technique elements		4	5	4	4	4	5	4	4	8	6	3	4
Category as percent of total technique elements													
Total no. of technique elements (not including recurrences)													

*does not count the recurrence of the same technique element within the same page

Piano Adventure Primer Technique Book (2011)				Total occurrences for the first 10 pages					
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Biomechanical	Number of pages	Percent of pages	Musical	Biomechanical
Relaxation		1	3%		1	1	10%		1
Mind involvement		14	48%	14	14	5	50%	5	5
Tone quality									
Listening skill		4	14%	4		2	20%	2	
<i>Position</i>									
Sitting posture	Distance	1	3%		1	1	10%		1
	Height								
	Sitting area	1	3%		1	1	10%		1
	Sit tall/straight	1	3%		1	1	10%		1
	Feet on floor/stool								
	Shoulder free								
Hand position	Hand level								
	Wrist level	1	3%		1	1	10%		1
	Forearm level								
	Elbow level								
	Curved finger tips	4	14%		4	3	30%		3
	Arched hand	9	31%		9	5	50%		5
	General								
Use of fingers	Finger pad								
	Thumb	5	17%		5	1	10%		1
	Fifth finger								
<i>Basic Movement</i>									
Upper/forearm	Arm Weight	4	14%		4	3	30%		3
	Arm drop	1	3%		1				
	Forearm rotary								
	Forearm freedom								
	Finger tip support/strong	9	31%		9	7	70%		7
Wrist	Drop								
	Roll	3	10%		3	2	20%		2
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence								
	Fingering	2	7%		2	2	20%		2
Lateral movement									
<i>Articulations</i>									
Slur	2 or more notes slur								
	General								
Staccato	Finger								
	Wrist								
	Forearm								
	General								
Legato	Rotary								
	General								
Dynamics	Loud/soft (weight)								
	Loud/Soft (speed)								
	Crescendo								
	Decrescendo								
	General	27	93%	27	27	8	80%	8	8
Tenuto									
Phrasing	General								
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern	2	7%		2				
Pedaling		6	21%		6	2	20%		2
Hand coordination	RH only	6	21%		6	2	20%		2
	LH only	6	21%		6	3	30%		3
	Balance	2	7%	2	2				
	Together	4	14%		4				
	Alternatively	14	48%		14	2	20%		2
	Parallel motion								
	Contrary motion								
	Move freely	14	48%		14	2	20%		2
Not in framework	Body: middle of keyboard	1	3%		1	1	10%		1
	3 notes together	2	7%		2	2	20%		2
	2 notes together	4	14%		4	2	20%		2
	Good sitting posture	1	3%		1				
Total number of technique elements		149		47	145	59		15	57
Category as percent of total technique elements				32%	97%			25%	97%
Total no. of technique elements (not including recurrences)		28		4	27	23		3	22

*does not count the recurrence of the same technique element within the same page

Piano Discoveries On-Staff Starter (2001)

Technique elements	Pages number (occurrence of technique indicated by *)																						
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
Relaxation	*																						
Mind involvement																							
Tone quality																							
Listening skill																							
<i>Position</i>																							
Sitting posture	Distance																						
	Height																						
	Sitting area	*																					
	Sit tall/straight	*																					
	Feet on floor/stool	*																					
	Shoulder free																						
Hand position	Hand level																						
	Wrist level	*																					
	Forearm level	*																					
	Elbow level																						
	Curved finger tips	*	*																				
	Arched hand																						
Use of fingers	General																						
	Finger pad																						
	Thumb																						
Fifth finger	Finger pad																						
	Thumb																						
	Fifth finger																						
<i>Basic Movement</i>																							
Upper/forearm	Arm Weight																						
	Arm drop																						
	Forearm rotary																						
	Forearm freedom																						
	Finger tip support/strong		*	*																			
Wrist	Drop																						
	Roll																						
	Release																						
Finger activity	Lift up height																						
	Close to keys																						
	Independence																						
	Fingering							*															
<i>Lateral movement</i>																							
<i>Articulations</i>																							
Slur	2 or more notes slur																						
	General																						
Staccato	Finger																						
	Wrist																						
	Forearm																						
	General																						
Legato	Rotary																						
	General																						
Dynamics	Loud/soft (weight)																						
	Loud/Soft (speed)																						
	Crescendo																						
	Decrescendo																						
	General										*	*	*	*	*	*	*	*	*	*	*		
<i>Tenuto</i>																							
Phrasing	General																						
Scale	Thumb crossing																						
	Cluster																						
	5 fingers pattern																						
<i>Pedaling</i>																							
Hand coordination	RH only		*				*	*		*	*	*	*										
	LH only								*					*	*	*							
	Balance																						
	Together																						
	Alternatively									*								*	*				
	Parallel motion																						
	Contrary motion																						
Move freely	Move freely		*	*																			
	Accent																						
Not in framework	Accent																						
Total number of technique elements		7	4	2	0	0	2	1	1	1	1	2	2	2	2	2	2	0	2	2			
Category as percent of total technique																							
Total no. of technique elements (not including recurrences)																							

*does not count the recurrence of the same technique element within the same page

Piano Discoveries On-Staff Starter (2001)		Pages number (occurrence of technique indicated by *)																				
Technique elements		24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42		
		Relaxation																				
Mind involvement																						
Tone quality																						
Listening skill																						
<i>Position</i>																						
Sitting posture	Distance																					
	Height																					
	Sitting area																					
	Sit tall/straight																					
	Feet on floor/stool																					
	Shoulder free																					
Hand position	Hand level																					
	Wrist level																					
	Forearm level																					
	Elbow level																					
	Curved finger tips																					
	Arched hand																					
Use of fingers	General																					
	Finger pad																					
	Thumb																					
Fifth finger																						
<i>Basic Movement</i>																						
Upper/forearm	Arm Weight																					
	Arm drop																					
	Forearm rotary																					
	Forearm freedom																					
	Finger tip support/strong																					
Wrist	Drop																					
	Roll																					
	Release																					
Finger activity	Lift up height																					
	Close to keys																					
	Independence																					
	Fingering																					
Lateral movement																						
<i>Articulations</i>																						
Slur	2 or more notes slur																					
	General																					
Staccato	Finger																					
	Wrist																					
	Forearm																					
	General																					
Legato	Rotary																					
	General																					
Dynamics	Loud/soft (weight)																					
	Loud/Soft (speed)																					
	Crescendo																					
	Decrescendo																					
	General	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Tenuto																						
Phrasing	General																					
Scale	Thumb crossing																					
	Cluster																					
	5 fingers pattern																					
Pedaling																						
Hand coordination	RH only			*	*								*	*								
	LH only						*	*	*								*	*				
	Balance																					
	Together																					
	Alternatively	*	*			*				*	*	*	*			*	*			*		
	Parallel motion																					
	Contrary motion																					
Move freely																						
Not in framework	Accent							*	*													
Total number of technique elements		2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2		
Category as percent of total technique																						
Total no. of technique elements (not including recurrences)																						

*does not count the recurrence of the same technique element within the same page

Piano Discoveries On-Staff Starter (2001)									
Technique elements						Pages containing technique element		Total occurrences (no. of pages) by category	
		43	44	45	46	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation						1	2%		1
Mind involvement									
Tone quality									
Listening skill									
<i>Position</i>									
Sitting posture	Distance								
	Height								
	Sitting area					1	2%		1
	Sit tall/straight					1	2%		1
	Feet on floor/stool					1	2%		1
	Shoulder free								
Hand position	Hand level								
	Wrist level					1	2%		1
	Forearm level					1	2%		1
	Elbow level								
	Curved finger tips					2	5%		2
	Arched hand								
Use of fingers	General								
	Finger pad								
	Thumb								
	Fifth finger								
<i>Basic Movement</i>									
Upper/forearm	Arm Weight								
	Arm drop								
	Forearm rotary								
	Forearm freedom								
	Finger tip support/strong					2	5%		2
Wrist	Drop								
	Roll								
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence								
	Fingering					1	2%		1
Lateral movement									
<i>Articulations</i>									
Slur	2 or more notes slur								
	General								
Staccato	Finger								
	Wrist								
	Forearm								
	General								
Legato	Rotary								
	General								
Dynamics	Loud/soft (weight)								
	Loud/Soft (speed)								
	Crescendo								
	Decrescendo								
	General	*	*	*	*	31	74%	31	31
Tenuto									
Phrasing	General								
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern								
Pedaling									
Hand coordination	RH only					11	26%		11
	LH only					9	21%		9
	Balance								
	Together								
	Alternatively	*	*	*	*	17	40%		17
	Parallel motion								
	Contrary motion								
	Move freely					2	5%		2
Not in framework	Accent					2	5%	2	2
Total number of technique elements		2	2	2	2	83		33	83
Category as percent of total technique								40%	100%
Total no. of technique elements (not including recurrences)						15		2	15

*does not count the recurrence of the same technique element within the same page

Piano Discoveries On-Staff Starter (2001)		Total occurrences for the first 10 pages				Total occurrences for the first 40 pages			
		Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Technique elements									
Relaxation		1	10%		1	1	1%		1
Mind involvement									
Tone quality									
Listening skill									
<i>Position</i>									
Sitting posture	Distance								
	Height								
	Sitting area	1	10%		1	1	1%		1
	Sit tall/straight	1	10%		1	1	1%		1
	Feet on floor/stool	1	10%		1	1	1%		1
	Shoulder free								
Hand position	Hand level								
	Wrist level	1	10%		1	1	1%		1
	Forearm level	1	10%		1	1	3%		1
	Elbow level								
	Curved finger tips	2	20%		2	2	3%		2
	Arched hand								
Use of fingers	General								
	Finger pad								
	Thumb								
Fifth finger									
<i>Basic Movement</i>									
Upper/forearm	Arm Weight								
	Arm drop								
	Forearm rotary								
	Forearm freedom								
	Finger tip support/strong	2	20%		2	2	3%		2
Wrist	Drop								
	Roll								
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence								
	Fingering	1	10%		1	1	1%		1
Lateral movement									
<i>Articulations</i>									
Slur	2 or more notes slur								
	General								
Staccato	Finger								
	Wrist								
	Forearm								
	General								
Legato	Rotary								
	General								
Dynamics	Loud/soft (weight)								
	Loud/Soft (speed)								
	Crescendo								
	Decrescendo								
	General					29	37%	29	29
Tenuto									
Phrasing	General								
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern								
Pedaling									
Hand coordination	RH only	4	40%		4	11	14%		11
	LH only	1	10%		1	9	11%		9
	Balance								
	Together								
	Alternatively	1	10%		1	15	19%		15
	Parallel motion								
	Contrary motion								
Move freely		2	20%		2	2	3%		2
Not in framework	Accent					2	3%	2	2
Total number of technique elements		19		0	19	79		31	79
Category as percent of total technique				0%	100%			39%	100%
Total no. of technique elements (not including recurrences)		13		0	13	15		2	15

*does not count the recurrence of the same technique element on the same page

Piano Town Method Primer Lesson Book (2004)

Technique elements		Page number (occurrence of technique indicated by *)																			
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
Relaxation																					
Mind involvement		*					*	*		*											
Tone quality																					
Listening skill																					
<i>Position</i>																					
Sitting posture	Distance																				
	Height																				
	Sitting area	*																			
	Sit tall/straight	*																			
	Feet on floor/stool	*																			
	Shoulder free																				
Hand position	Hand level																				
	Wrist level																				
	Forearm level	*																			
	Elbow level	*																			
	Curved finger tips	*																			
	Arched hand																				
	General		*																		
Use of fingers	Finger pad																				
	Thumb	*																			
	Fifth finger																				
<i>Basic Movement</i>																					
Upper/forearm	Arm Weight																				
	Arm drop																				
	Forearm rotary																				
	Forearm freedom																				
	Finger tip support/strong																				
Wrist	Drop																				
	Roll																				
	Release																				
Finger activity	Lift up height																				
	Close to keys																				
	Independence																				
	Fingering		*				*			*			*								
Lateral movement																					
<i>Articulations</i>																					
Slur	2 or more notes slur																				
	General																				
Staccato	Finger																				
	Wrist																				
	Forearm																				
	General																				
Legato	Rotary																				
	General						*														
Dynamics	Loud/soft (weight)																				
	Loud/Soft (speed)																				
	Crescendo																				
	Decrescendo																				
	General																				
Tenuto																					
Phrasing	General																				
Scale	Thumb crossing																				
	Cluster																				
	5 fingers pattern															*	*	*	*	*	
Pedaling																					
Hand coordination	RH only																				
	LH only																				
	Balance																				
	Together									*											
	Alternatively						*	*	*	*			*	*	*	*	*	*	*	*	
	Parallel motion																				
	Contrary motion																				
Not in framework	Move freely			*						*	*										
	First joint firm	*																			
	Finger tip touch the keys	*																			
	2 notes together																				
3 notes together																					
Total number of technique elements		10	2	1	0	4	2	1	4	1	1	2	1	1	1	2	2	2	2	2	
Category as percent of total technique elements																					
Total no. of technique elements (not including recurrences)																					

*does not count the recurrence of the same technique element within the same page

Piano Town Method Primer Lesson Book (2004)

Technique elements		Page number (occurrence of technique indicated by *)																	
		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Relaxation																			
Mind involvement																			
Tone quality																			
Listening skill																			
<i>Position</i>																			
Sitting posture	Distance																		
	Height																		
	Sitting area																		
	Sit tall/straight																		
	Feet on floor/stool																		
	Shoulder free																		
Hand position	Hand level																		
	Wrist level																		
	Forearm level																		
	Elbow level																		
	Curved finger tips																		
	Arched hand																		
	General																		
Use of fingers	Finger pad																		
	Thumb																		
	Fifth finger																		
<i>Basic Movement</i>																			
Upper/forearm	Arm Weight																		
	Arm drop																		
	Forearm rotary																		
	Forearm freedom																		
	Finger tip support/strong																		
Wrist	Drop																		
	Roll																		
	Release																		
Finger activity	Lift up height																		
	Close to keys																		
	Independence																		
	Fingering																		
<i>Lateral movement</i>																			
<i>Articulations</i>																			
Slur	2 or more notes slur																		
	General																		
Staccato	Finger																		
	Wrist																		
	Forearm																		
	General																		
Legato	Rotary																		
	General																		
Dynamics	Loud/soft (weight)																		
	Loud/Soft (speed)																		
	Crescendo																		
	Decrescendo																		
	General																		
Tenuto																			
Phrasing																			
Scale	Thumb crossing																		
	Cluster																		
	5 fingers pattern	*	*																*
Pedaling																			
Hand coordination	RH only						*	*											
	LH only			*	*														
	Balance																		
	Together																		
	Alternatively	*	*					*	*	*	*	*	*	*	*	*	*	*	*
	Parallel motion																		
	Contrary motion																		
	Move freely																		
Not in framework	First joint firm																		
	Finger tip touch the keys																		
	2 notes together																		
	3 notes together																		
Total number of technique elements		2	2	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2
Category as percent of total technique elements																			
Total no. of technique elements (not including recurrences)																			

*does not count the recurrence of the same technique element within the same page

Piano Town Method Primer Lesson Book (2004)

Technique elements		Page number (occurrence of technique indicated by *)																	
		40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
Relaxation																			
Mind involvement						*	*												
Tone quality																			
Listening skill																			
<i>Position</i>																			
Sitting posture	Distance																		
	Height																		
	Sitting area																		
	Sit tall/straight																		
	Feet on floor/stool																		
Hand position	Shoulder free																		
	Hand level																		
	Wrist level																		
	Forearm level																		
	Elbow level																		
	Curved finger tips																		
Use of fingers	Arched hand																		
	General																		
Use of fingers	Finger pad																		
	Thumb																		
	Fifth finger																		
<i>Basic Movement</i>																			
Upper/forearm	Arm Weight																		
	Arm drop																		
	Forearm rotary																		
	Forearm freedom																		
	Finger tip support/strong																		
Wrist	Drop																		
	Roll																		
	Release																		
Finger activity	Lift up height																		
	Close to keys																		
	Independence																		
	Fingering					*	*												
Lateral movement																			
<i>Articulations</i>																			
Slur	2 or more notes slur																		
	General	*	*		*	*		*	*	*	*	*	*	*	*	*	*	*	*
Staccato	Finger																		
	Wrist																		
	Forearm																		
	General																*	*	
Legato	Rotary																		
	General	*																	
Dynamics	Loud/soft (weight)																		
	Loud/Soft (speed)																		
	Crescendo																		
	Decrescendo																		
	General			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tenuto																			
Phrasing	General																		
Scale	Thumb crossing																		
	Cluster																		
	5 fingers pattern															*			
Pedaling																			
Hand coordination	RH only																		
	LH only																		
	Balance																		
	Together								*	*	*	*	*	*					*
	Alternatively	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Parallel motion																		
	Contrary motion																		
Not in framework	Move freely																		
	First joint firm																		
	Finger tip touch the keys																		
	2 notes together								*										
3 notes together									*	*	*							*	
Total number of technique elements		3	2	2	3	5	4	3	5	5	5	5	4	4	3	4	3	4	6
Category as percent of total technique elements																			
Total no. of technique elements (not including recurrences)																			

*does not count the recurrence of the same technique element within the same page

Piano Town Method Primer Lesson Book (2004)									
Technique elements						Total occurrences		Total occurrences (no. of pages by category)	
		58	59	60	61	Pages	Percent of pages	Musical	Bio-mechanical
Relaxation									
Mind involvement						6	10%	6	6
Tone quality									
Listening skill									
<i>Position</i>									
Sitting posture	Distance								
	Height								
	Sitting area					1	2%		1
	Sit tall/straight					1	2%		1
	Feet on floor/stool					1	2%		1
Hand position	Shoulder free								
	Hand level								
	Wrist level								
	Forearm level					1	2%		1
	Elbow level					1	2%		1
	Curved finger tips					1	2%		1
	Arched hand								
Use of fingers	General					1	2%		1
	Finger pad								
	Thumb					1	2%		1
Fifth finger									
<i>Basic Movement</i>									
Upper/forearm	Arm Weight								
	Arm drop								
	Forearm rotary								
	Forearm freedom								
	Finger tip support/strong								
Wrist	Drop								
	Roll								
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence								
	Fingering					6	10%		6
Lateral movement									
<i>Articulations</i>									
Slur	2 or more notes slur								
	General	*	*	*	*	20	34%	20	20
Staccato	Finger								
	Wrist								
	Forearm								
	General	*	*	*	*	6	10%	6	6
Legato	Rotary								
	General					2	3%	2	2
Dynamics	Loud/soft (weight)								
	Loud/Soft (speed)								
	Crescendo								
	Decrescendo								
General	*	*	*	*	20	34%	20	20	
Tenuto									
Phrasing	General								
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern					8	14%		8
Pedaling				*	*	2	3%	2	
Hand coordination	RH only					2	3%		2
	LH only					2	3%		2
	Balance								
	Together	*	*	*	*	12	21%		12
	Alternatively		*	*	*	46	79%		46
	Parallel motion								
	Contrary motion								
Move freely					3	5%		3	
Not in framework	First joint firm					1	2%		1
	Finger tip touch the keys					1	2%		1
	2 notes together					1	2%		1
	3 notes together			*	*	6	10%		6
Total number of technique elements		4	5	7	7	152		56	150
Category as percent of total technique elements								37%	98%
Total no. of technique elements (not including recurrences)						25		6	24

*does not count the recurrence of the same technique element within the same page

Piano Town Method Primer Lesson Book (2004)		Total occurrences for the first 10 pages				Total occurrences for the first 40 pages			
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation									
Mind involvement		4	40%	4	4	4	6%	4	4
Tone quality									
Listening skill									
<i>Position</i>									
Sitting posture	Distance								
	Height								
	Sitting area	1	10%		1	1	1%		1
	Sit tall/straight	1	10%		1	1	1%		1
	Feet on floor/stool	1	10%		1	1	1%		1
Shoulder free									
Hand position	Hand level								
	Wrist level								
	Forearm level	1	10%		1	1	1%		1
	Elbow level	1	10%		1	1	1%		1
	Curved finger tips	1	10%		1	1	1%		1
	Arched hand								
Use of fingers	General	1	10%		1	1	1%		1
	Finger pad								
	Thumb	1	10%		1	1	1%		1
Fifth finger									
<i>Basic Movement</i>									
Upper/forearm	Arm Weight								
	Arm drop								
	Forearm rotary								
	Forearm freedom								
	Finger tip support/strong								
Wrist	Drop								
	Roll								
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence								
	Fingering	3	30%		3	4	6%		4
Lateral movement									
<i>Articulations</i>									
Slur	2 or more notes slur								
	General					3	4%	3	3
Staccato	Finger								
	Wrist								
	Forearm								
Legato	General								
	Rotary	1	10%	1	1	2	3%	2	2
Dynamics	Loud/soft (weight)								
	Loud/Soft (speed)								
	Crescendo								
	Decrescendo								
	General					2	3%	2	2
Tenuto									
Phrasing	General								
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern					7	10%		7
Pedaling									
Hand coordination	RH only					2	3%		2
	LH only					2	3%		2
	Balance								
	Together	1	10%		1	1	1%		1
	Alternatively	4	40%		4	29	42%		29
	Parallel motion								
	Contrary motion								
Not in framework	Move freely	3	30%		3	3	4%		3
	First joint firm	1	10%		1	1	1%		1
	Finger tip touch the keys	1	10%		1	1	1%		1
	2 notes together								
	3 notes together								
Total number of technique elements		26		5	26	69		11	69
Category as percent of total technique elements				19%	100%			16%	100%
Total no. of technique elements (not including recurrences)		16		2	16	21		3	21

*does not count the recurrence of the same technique element within the same page

Piano Town Method Primer Technic Book (2004)

Technique elements		Page number (occurrence of technique indicated by *)																		
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Relaxation																				
Mind involvement																				
Tone quality																				
Listening skill																				
<i>Position</i>																				
Sitting posture	Distance																			
	Height																			
	Sitting area																			
	Sit tall/straight	*																		
	Feet on floor/stool																			
Shoulder free																				
Hand position	Hand level																			
	Wrist level	*																		
	Forearm level																			
	Elbow level																			
	Curved finger tips	*																		
	Arched hand																			
General																				
Use of fingers	Finger pad																			
	Thumb																			
	Fifth finger																			
<i>Basic Movement</i>																				
Upper/forearm	Arm Weight																			
	Arm drop																			
	Forearm rotary																			
	Forearm freedom	*																		
	Finger tip support/strong																			
Wrist	Drop																			
	Roll																			
	Release																			
Finger activity	Lift up height																			
	Close to keys																			
	Independence																			
	Fingering																			
Lateral movement																				
<i>Articulations</i>																				
Slur	2 or more notes slur																			
	General																	*	*	
Staccato	Finger																			
	Wrist																			
	Forearm																			
	General																			
Legato	Rotary																			
	General																			
Dynamics	Loud/soft (weight)																			
	Loud/Soft (speed)																			
	Crescendo																			
	Decrescendo																			
	General																			*
Tenuto																				
Phrasing																				
Scale	General																			
	Thumb crossing																			
	Cluster																			
5 fingers pattern						*	*	*	*											
Pedaling																				
Hand coordination	RH only																			
	LH only																			
	Balance																			
	Together																	*		*
	Alternatively	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Parallel motion																			
	Contrary motion																	*		*
Move freely																				
Not in framework	First joint firm	*																		
	2 notes together																			
	3 notes together																			
Total number of technique elements		6	1	1	1	2	2	2	2	1	1	1	1	1	1	1	3	2	2	3
Category as percent of total technique elements																				
Total no. of technique elements (not including recurrences)																				

*does not count the recurrence of the same technique element within the same page

Piano Town Method Primer Technic Book (2004)

Technique elements		Page number (occurrence of technique indicated by *)											
		21	22	23	24	25	26	27	28	29	30	31	32
Relaxation													
Mind involvement													
Tone quality													
Listening skill													
<i>Position</i>													
Sitting posture	Distance												
	Height												
	Sitting area												
	Sit tall/straight												
	Feet on floor/stool												
	Shoulder free												
Hand position	Hand level												
	Wrist level												
	Forearm level												
	Elbow level												
	Curved finger tips												
	Arched hand												
Use of fingers	General												
	Finger pad												
	Thumb												
Fifth finger													
<i>Basic Movement</i>													
Upper/forearm	Arm Weight												
	Arm drop												
	Forearm rotary												
	Forearm freedom												
	Finger tip support/strong												
Wrist	Drop												
	Roll												
	Release												
Finger activity	Lift up height												
	Close to keys												
	Independence												
	Fingering												
Lateral movement													
<i>Articulations</i>													
Slur	2 or more notes slur												
	General			*	*		*					*	
Staccato	Finger												
	Wrist												
	Forearm												
	General										*		
Legato	Rotary												
	General												
Dynamics	Loud/soft (weight)												
	Loud/Soft (speed)												
	Crescendo												
	Decrescendo												
	General	*	*	*	*	*	*	*	*	*		*	*
Tenuto													
Phrasing	General												
Scale	Thumb crossing												
	Cluster												
	5 fingers pattern								*	*			
Pedaling													
Hand coordination	RH only												
	LH only												
	Balance												
	Together	*	*	*			*	*	*	*	*	*	*
	Alternatively				*	*	*				*	*	*
	Parallel motion	*	*	*				*	*	*	*	*	*
	Contrary motion												
Move freely					*	*							
Not in framework	First joint firm												
	2 notes together				*					*	*		
	3 notes together					*	*					*	
Total number of technique elements		3	3	4	4	4	6	3	4	5	4	6	3
Category as percent of total technique elements													
Total no. of technique elements (not including recurrences)													

*does not count the recurrence of the same technique element within the same page

Piano Town Method Primer Technic Book (2004)					Total occurrences for the first 10 pages				
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation									
Mind involvement									
Tone quality									
Listening skill									
<i>Position</i>									
Sitting posture	Distance								
	Height								
	Sitting area								
	Sit tall/straight	1	3%		1	1	10%		1
	Feet on floor/stool								
Shoulder free									
Hand position	Hand level								
	Wrist level	1	3%		1	1	10%		1
	Forearm level								
	Elbow level								
	Curved finger tips	1	3%		1	1	10%		1
	Arched hand								
Use of fingers	General								
	Finger pad								
	Thumb								
Fifth finger									
<i>Basic Movement</i>									
Upper/forearm	Arm Weight								
	Arm drop								
	Forearm rotary								
	Forearm freedom	1	3%		1	1	10%		1
	Finger tip support/strong								
Wrist	Drop								
	Roll								
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence								
	Fingering								
Lateral movement									
<i>Articulations</i>									
Slur	2 or more notes slur								
	General	6	19%	6	6				
Staccato	Finger								
	Wrist								
	Forearm								
	General	1	3%	1	1				
Legato	Rotary								
	General								
Dynamics	Loud/soft (weight)								
	Loud/Soft (speed)								
	Crescendo								
	Decrescendo								
	General	11	35%	11	11				
Tenuto									
Phrasing	General								
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern	7	23%		7	4	4015		4
Pedaling									
Hand coordination	RH only								
	LH only								
	Balance								
	Together	12	39%		12				
	Alternatively	22	71%		22	10	100%		10
	Parallel motion	9	29%		9				
	Contrary motion	2	6%		2				
	Move freely	2	6%		2				
Not in framework	First joint firm	1	3%		1	1	10%		1
	2 notes together	3	10%		3				
	3 notes together	3	10%		3				
Total number of technique elements	83		18	83	19		0	19	
Category as percent of total technique elements			22%	100%			0%	100%	
Total no. of technique elements (not including recurrences)	16		3	16	7		0	7	

*does not count the recurrence of the same technique element within the same page

The Music Tree Time to Begin (2006)

Technique elements		Page number (occurrence of technique indicated by *)																			
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
Relaxation																					
Mind involvement			*			*		*					*	*	*	*	*	*			
Tone quality																					
Listening skill		*	*	*	*	*	*	*	*				*	*	*	*	*	*			
<i>Position</i>																					
Sitting posture	Distance																				
	Height																				
	Sitting area																				
	Sit tall/straight																				
	Feet on floor/stool																				
Shoulder free																					
Hand position	Hand level																				
	Wrist level																				
	Forearm level																				
	Elbow level																				
	Curved finger tips													*							
	Arched hand																				
	General																				
Use of fingers	Finger pad																				
	Thumb																				
	Fifth finger																				
<i>Basic Movement</i>																					
Upper/forearm	Arm Weight																				
	Arm drop																				
	Forearm rotary																				
	Forearm freedom																				
	Finger tip support/strong																				
Wrist	Drop																				
	Roll																				
	Release																				
Finger activity	Lift up height																				
	Close to keys																				
	Independence																				
	Fingering											*			*						
Lateral movement																					
<i>Articulations</i>																					
Slur	2 or more notes slur																				
	General																				
Staccato	Finger																				
	Wrist																				
	Forearm																				
	General																				
Legato	Rotary																				
	General																				
Dynamics	Loud/soft (weight)																				
	Loud/Soft (speed)																				
	Crescendo																				
	Decrescendo																				
	General												*	*	*	*	*	*		*	
Tenuto																					
Phrasing	General																				
Scale	Thumb crossing																				
	Cluster																				
	5 fingers pattern																				
Pedaling																					
Hand coordination	RH only																				
	LH only																				
	Balance																				
	Together																				
	Alternatively	*	*	*	*	*	*	*	*				*	*	*	*	*	*			
	Parallel motion																				
	Contrary motion																				
Move freely	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*	*	*	*		
Not in framework	Arm swing					*				*					*				*		
	Repeated notes													*							
Total number of technique elements		3	4	3	3	5	3	4	3	1	2	6	5	7	6	5	5	1	2		
Category as percent of total technique elements																					
Total no. of technique elements (not including recurrences)																					

*does not count the recurrence of the same technique element within the same page

The Music Tree Time to Begin (2006)

Technique elements		Page number (occurrence of technique indicated by *)																		
		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Relaxation																				
Mind involvement		*	*	*		*	*	*	*			*			*					
Tone quality																				
Listening skill		*	*			*	*	*	*			*	*	*	*	*			*	*
<i>Position</i>																				
Sitting posture	Distance																			
	Height																			
	Sitting area																			
	Sit tall/straight																			
	Feet on floor/stool																			
Shoulder free																				
Hand position	Hand level																			
	Wrist level																			
	Forearm level																			
	Elbow level																			
	Curved finger tips																			
	Arched hand																			
General																				
Use of fingers	Finger pad																			
	Thumb																			
	Fifth finger																			
<i>Basic Movement</i>																				
Upper/forearm	Arm Weight																			
	Arm drop																			
	Forearm rotary																			
	Forearm freedom																			
	Finger tip support/strong																			
Wrist	Drop																			
	Roll																			
	Release																			
Finger activity	Lift up height																			
	Close to keys																			
	Independence																			
	Fingering						*	*	*						*	*				
Lateral movement																				
<i>Articulations</i>																				
Slur	2 or more notes slur																			
	General	*	*				*	*	*	*			*				*			
Staccato	Finger																			
	Wrist																			
	Forearm																			
	General																			
Legato	Rotary																			
	General																			
Dynamics	Loud/soft (weight)																			
	Loud/Soft (speed)																			
	Crescendo																			
	Decrescendo																			
General	*	*	*	*	*	*	*	*	*		*	*	*	*	*		*	*	*	
Tenuto																				
Phrasing	General																			
Scale	Thumb crossing																			
	Cluster																			
	5 fingers pattern																			
Pedaling																				
Hand coordination	RH only																	*		
	LH only																	*		
	Balance																			
	Together														*				*	*
	Alternatively	*	*	*	*	*	*	*	*	*		*	*	*	*	*			*	*
	Parallel motion																			
	Contrary motion																			
Move freely	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Not in framework	Arm swing									*		*								
	Repeated notes																			
Total number of technique elements		6	6	4	3	5	7	6	7	4	1	6	4	4	5	5	4	1	5	5
Category as percent of total technique elements																				
Total no. of technique elements (not including recurrences)																				

*does not count the recurrence of the same technique element within the same page

The Music Tree Time to Begin (2006)

Technique elements		Page number (occurrence of technique indicated by *)																		
		41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
Relaxation																				
Mind involvement		*	*					*		*										
Tone quality																				
Listening skill		*		*					*				*							*
<i>Position</i>																				
Sitting posture	Distance																			
	Height																			
	Sitting area																			
	Sit tall/straight																			
	Feet on floor/stool																			
	Shoulder free																			
Hand position	Hand level																			
	Wrist level																			
	Forearm level																			
	Elbow level																			
	Curved finger tips																			
	Arched hand																			
	General																			
Use of fingers	Finger pad																			
	Thumb																			
	Fifth finger																			
<i>Basic Movement</i>																				
Upper/forearm	Arm Weight																			
	Arm drop																			
	Forearm rotary																			
	Forearm freedom																			
	Finger tip support/strong																			
Wrist	Drop																			
	Roll																			
	Release																			
Finger activity	Lift up height																			
	Close to keys																			
	Independence																			
	Fingering	*	*	*				*	*	*				*	*	*				*
<i>Lateral movement</i>																				
<i>Articulations</i>																				
Slur	2 or more notes slur																			
	General	*	*	*			*	*	*	*				*	*	*	*	*		*
Staccato	Finger																			
	Wrist																			
	Forearm																			
	General																			
Legato	Rotary																			
	General																			
Dynamics	Loud/soft (weight)																			
	Loud/Soft (speed)																			
	Crescendo																			
	Decrescendo																			
	General		*	*			*	*	*	*	*			*	*	*	*			*
Tenuto																				
Phrasing	General																			
Scale	Thumb crossing																			
	Cluster																			
	5 fingers pattern																			
<i>Pedaling</i>																				
Hand coordination	RH only				*						*							*		
	LH only				*						*							*		
	Balance																			
	Together									*			*							
	Alternatively	*	*	*			*	*	*	*	*			*	*	*	*			*
	Parallel motion																			
	Contrary motion																			
Move freely	*		*	*	*			*	*	*							*		*	
Not in framework	Arm swing				*			*			*						*		*	
	Repeated notes																			
Total number of technique elements		6	5	6	4	1	3	6	4	7	4	4	0	4	4	4	4	5	0	7
Category as percent of total technique elements																				
Total no. of technique elements (not including recurrences)																				

*does not count the recurrence of the same technique element within the same page

The Music Tree Time to Begin (2006)		Page number (occurrence of technique indicated by *)												
Technique elements		60	61	62	63	64	65	66	67	68	69	70	71	72
Relaxation														
Mind involvement														
Tone quality														
Listening skill		*	*		*									
<i>Position</i>														
Sitting posture	Distance													
	Height													
	Sitting area													
	Sit tall/straight													
	Feet on floor/stool													
	Shoulder free													
Hand position	Hand level													
	Wrist level													
	Forearm level													
	Elbow level													
	Curved finger tips													
	Arched hand													
	General													
Use of fingers	Finger pad													
	Thumb													
	Fifth finger													
<i>Basic Movement</i>														
Upper/forearm	Arm Weight													
	Arm drop													
	Forearm rotary													
	Forearm freedom													
	Finger tip support/strong													
Wrist	Drop													
	Roll													
	Release													
Finger activity	Lift up height													
	Close to keys													
	Independence													
	Fingering		*		*						*	*	*	
<i>Lateral movement</i>														
<i>Articulations</i>														
Slur	2 or more notes slur													
	General			*		*				*	*	*	*	*
Staccato	Finger													
	Wrist													
	Forearm													
	General													
Legato	Rotary													
	General													
Dynamics	Loud/soft (weight)													
	Loud/Soft (speed)													
	Crescendo													
	Decrescendo													
	General	*	*	*	*			*	*	*	*	*	*	*
<i>Tenuto</i>														
Phrasing	General													
Scale	Thumb crossing													
	Cluster													
	5 fingers pattern													
<i>Pedaling</i>														
Hand coordination	RH only					*								*
	LH only					*								*
	Balance													
	Together	*												
	Alternatively	*	*	*	*			*	*	*	*	*	*	*
	Parallel motion													
	Contrary motion													
Move freely			*		*								*	
Not in framework	Arm swing				*									
	Repeated notes													
Total number of technique elements		4	4	4	5	4	0	2	2	2	4	4	4	4
Category as percent of total technique elements														
Total no. of technique elements (not including recurrences)														

*does not count the recurrence of the same technique element within the same page

The Music Tree Time to Begin (2006)						Total occurrences for the first 10 pages			
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation									
Mind involvement		22	32%	22	22	3	30%	3	3
Tone quality									
Listening skill		35	51%	35		8	80%	8	
<i>Position</i>									
Sitting posture	Distance								
	Height								
	Sitting area								
	Sit tall/straight								
	Feet on floor/stool								
Hand position	Shoulder free								
	Hand level								
	Wrist level								
	Forearm level								
	Elbow level								
	Curved finger tips	1	1%		1				
Use of fingers	Arched hand								
	General								
	Finger pad								
	Thumb								
	Fifth finger								
<i>Basic Movement</i>									
Upper/forearm	Arm Weight								
	Arm drop								
	Forearm rotary								
	Forearm freedom								
	Finger tip support/strong								
Wrist	Drop								
	Roll								
	Release								
Finger activity	Lift up height								
	Close to keys								
	Independence								
	Fingering	22	32%		22	1	10%		1
Lateral movement									
<i>Articulations</i>									
Slur	2 or more notes slur								
	General	26	38%	26	26				
Staccato	Finger								
	Wrist								
	Forearm								
	General								
Legato	Rotary								
	General								
Dynamics	Loud/soft (weight)								
	Loud/Soft (speed)								
	Crescendo								
	Decrescendo								
	General	40	58%	40	40				
Tenuto									
Phrasing	General								
Scale	Thumb crossing								
	Cluster								
	5 fingers pattern								
<i>Pedaling</i>									
Hand coordination	RH only	6	9%		6				
	LH only	6	9%		6				
	Balance								
	Together	6	9%		6				
	Alternatively	53	77%		53	8	80%		8
	Parallel motion								
	Contrary motion								
	Move freely	43	62%		43	9	90%		9
Not in framework	Arm swing	12	17%		12	2	20%		2
	Repeated notes	1	1%		1				
Total number of technique elements		273		123	238	31		11	23
Category as percent of total technique elements				45%	87%			35%	74%
Total no. of technique elements (not including recurrences)		13		4	12	6		2	5

*does not count the recurrence of the same technique element within the same page

The Music Tree Time to Begin (2006)		Total occurrences of the first 40 pages			
Technique elements		Pages containing technique element		Total occurrences (no. of pages) by category	
		Number of pages	Percent of pages	Musical	Bio-mechanical
Relaxation					
Mind involvement		20	12%	20	20
Tone quality					
Listening skill		29	17%	29	
<i>Position</i>					
Sitting posture	Distance				
	Height				
	Sitting area				
	Sit tall/straight				
	Feet on floor/stool				
	Shoulder free				
Hand position	Hand level				
	Wrist level				
	Forearm level				
	Elbow level				
	Curved finger tips	1	1%		1
	Arched hand				
	General				
Use of fingers	Finger pad				
	Thumb				
	Fifth finger				
<i>Basic Movement</i>					
Upper/forearm	Arm Weight				
	Arm drop				
	Forearm rotary				
	Forearm freedom				
	Finger tip support/strong				
Wrist	Drop				
	Roll				
	Release				
Finger activity	Lift up height				
	Close to keys				
	Independence				
	Fingering	10	6%		10
Lateral movement					
<i>Articulations</i>					
Slur	2 or more notes slur				
	General	11	6%	11	11
Staccato	Finger				
	Wrist				
	Forearm				
	General				
Legato	Rotary				
	General				
Dynamics	Loud/soft (weight)				
	Loud/Soft (speed)				
	Crescendo				
	Decrescendo				
	General	24	14%	24	24
Tenuto					
Phrasing	General				
Scale	Thumb crossing				
	Cluster				
	5 fingers pattern				
<i>Pedaling</i>					
Hand coordination	RH only	1	1%		1
	LH only	1	1%		1
	Balance				
	Together	3	2%		3
	Alternatively	33	19%		33
	Parallel motion				
	Contrary motion				
	Move freely	33	19%		33
Not in framework	Arm swing	6	3%		6
	Repeated notes	1	1%		1
Total number of technique elements		173		123	125
Category as percent of total technique elements				79%	80%
Total no. of technique elements (not including recurrences)		13		4	12

*does not count the recurrence of the same technique element within the same page

Appendix G: List of Technique Category and Sub-Category Technique Concepts

Category of Techniques: Technique Elements within/not in Framework			
	Category	Technique within framework	Technique not in framework
1	Relaxation		Hand relax/hang naturally
			Finger relax
2	Mind involvement		
3	Tone quality		Tone production
4	Listening skill		
5	Sitting posture	Distance	Bench face piano squarely
		Height	Body: sitting middle of keyboard
		Sitting area	Good sitting posture
		Sit tall/straight	
		Feet on floor/stool	
		Shoulder free	
6	Hand position	Hand level	Firm 1st joint (knuckle)
		Wrist level	Finger tip touch on keyboard
		Forearm level	
		Elbow level	
		Curved finger tips	
		Arched hand	
		General	
7	Use of fingers	Finger pad	
		Thumb	
		Fifth finger	
8	Upper/forearm	Arm Weight	Arm hang loosely/Arm relax
		Arm drop	Balance weight (arm and finger)
		Forearm rotary	Release arm weight
		forearm freedom	
		finger tip support/strong	
9	Wrist movement	Drop	Rotary (gentle hand rock)
		Roll	Lift hand (end of phrase)
		Release	Swing
			Wrist rotary motion
			Wrist bounce
			Wrist loose
10	Finger activity	Lift up height	2 tones together
		Close to keys	3 tones together
		Independence	Repeated notes
		Fingering	Finger weight
			Pull up slightly (finger)
			Cluster
11	Lateral movement		
12	Slur	2 or more notes slur	
		General	
13	Staccato	Finger	
		Wrist	
		Forearm	
		General	
14	Legato	Rotary	
		General	
15	Dynamic	Loud/soft (weight)	Accent
		Loud/Soft (speed)	
		Crescendo	
		Decrescendo	
		General	
15	Tenuto		
16	Phrasing	General	
17	Scale	Thumb crossing	Dorian Mode
		Cluster	Scale tetrachords
		5 fingers pattern	
18	Pedaling		
19	Hand coordination	RH only	
		LH only	
		Balance	
		Together	
		Alternatively	
		Parallel motion	
		Contrary motion	
Move freely			
Category of Techniques not in framework			
20	Sensation (Not in framework)		Feel the weight
			Eyes on music
21	Broken chord (Not in framework)		
22	Arpeggio (Not in framework)		Minor arpeggio

Appendix H: Occurrence of Technique Concepts Categorized by Types of Presentation

Alfred's Basic Piano Library Lesson Level 1A (1981)							
Activity		Written instruction		Signs/notes written on music		Use of picture	
Technique element	Page No.	Technique element	Page No.	Technique element	Page No.	Technique element	Page No.
Move freely	7	RH only, LH only,	7	Hands play alternatively	9	Five finger position (Cpostion)	24
Fingering,	9	Dynamics (p & F)	12	LH only	10	Five finger position (Cpostion)	26
Move freely	17	Five finger position(C position)	25	RH only	11	Five finger position (Cpostion)	28
Move freely	18	Listening skill	35	LH only	12	Five finger position (Cpostion)	29
Move freely	19	Listening skill	40	Dynamic (f, P), RH only,	13	Five finger position (Cpostion)	33
Move freely, mind involvement]	42	Listening skill	42	Dynamics (f, P), Hands play alternatively	14	Five finger position (Cpostion)	34
Move freely	43	Hands coordination balance, Listenting skill	43	Dynamics (f, P), Hands play laternatively	15	Five finger position (G position)	52
		LH on;y	49	Dynamics (f), Hands play alternatively	16	Five finger position (G position)	53
				Hands play alternatively	17		
				Hands play alternatively, Dynamics (f)	20		
				Hands play alternatively, Dynamics (f)	21		
				Hands play alternatively	22		
				Hands play alternatively, Dynamics (mf)	23		
				Hands play alternatively, Dynamics (mf)	24		
				Hands play alternatively, Dynamics (mf)	25		
				Hands play alternatively, Dynamics (p)	26		
				LH only, Dynamics (mf)	28		
				LH only, Dynamics (mf)	29		
				RH only, Dynamics (mF)	30		
				RH only, Dynamics (f)	31		
				Hands play alternatively, Dynamics (mf)	33		
				Hands play alternatively, Dynamics (f)	34		
				Hands play alternatively, Dynamics (mf)	35		
				Hands play alternatively, Dynamics (mf)	36		
				Hands play alternatively, Dynamics (p), Phrase	37		
				Dynamics (mf), Hands play alternatively, 2 or more notes slur	38		
				Phrase, 2 or more notes slur, Dynamics (f), Hands play alternatively	39		
				Hands play alternatively, Dynamics (mf)	40		
				Hands play alternatively, Dynamics (mf), 2 notes together	41		
				Hands play alternatively, Dynamics (f, p), Hands play together	42		

Alfred's Basic Piano Library Lesson Level 1A (1981)

Activity		Written instruction		Signs/notes written on music		Use of picture	
Technique elementt	Page No.	Technique element	Page No.	Technique element	Page No.	Technique element	Page No.
				Hands play alternatively, Dynamics (mf, mp), Hands play together, 2notes together	43		
				Hands play alternatively, Dynamic (f, mf)	44		
				Hands play alternatively, Dynamic (f), Phrase	45		
				Hands play alternatively, Dynamics (mf, mp), Hands play together, 2notes together	46		
				Hands play alternatively, Dynamics (f,p), Hands play together, 2notes together, 2 or more notes slur, Phrase,	47		
				Hands play alternatively, Dynamics (f, p)	48		
				Phrase, 2 or more notes slur, Dynamics (f), Hands play alternatively	49		
				Phrase, Hands play alternatively, dynamics (mf)	50		
				Dynamics (f), 2 notes together),	51		
				Hands play together, Hands play alternatively , 2 or more notes slur,	52		
				Hands play together, Hands play alternatively , 2 or more notes slur,	53		
				Phrase, 2 or more notes played , Hands play together, Dynamics (mf) , LH only	54		
				Phrasing, Hands play alternatively, Dynamic (f),	55		
				Hands play together, Phrase, Dynamic (mf)	56		
				Phrase, legto, Dynamic (f, p), Hands play together	57		
				Hands play laternatively, Dynamics (p)	58		
				Crescendo, Diminuendo, staccato, 2 or more notes, 2 note together, Dynamics (p)	59		
				Hands play together, crescendo, Diminuento, Dynamics (f, p), 2 notes together, Five finger position	60		
				Hands play together, crescendo, Diminuento, Dynamics (f, p), 2 notes together, Five finger position	61		
No. of pages	7		8		49		8
Percent of total pages 59)	12%		14%		83%		14%

Alfred's Basic Piano Library Technique 1A (1981)

Activity		Signs/notes written on music		Use of picture	
Technique element	Page No.	Technique element	Page No.	Technique element	Page No.
Move freely	19	Dynamics (mf), RH only, LH only	3	Five finger position (C position)	4
		Dynamics (mf, p), RH only, LH only	4		
		RH only, LH only, Hands together, Dynamics (p, f)	5		
		RH only LH only, Hnds play together, Dynamics (mf)	6		
		2 or more notes slur, RH only, LH only, Hands play together Dynamics (mf)	7		
		2 or more notes slur, RH only, LH only, Hands play together Dynamics (mf)	8		
		2 or more notes slur, RH only, LH only, Hands play together Dynamics (mf, f), Five finger position (c position)	9		
		2 or more notes slur, RH only, LH only, Dynamics (mf), phrase	10		
		2 notes or more slur, 2 notes together, Dynamics (mf, p)	11		
		Phrase, Dynamics (f, p), Hands play alternatively	12		
		Phrase, Hands play alternatively, 2 notes together, Dynamic (f, mf, p)	13		
		RH only, LH only, Hands play together, Dynamics (mf)	14		
		Hands play alternatively, Dynamics (f, p), 2 notes together, 2 or more notes slur	15		
		Hands play alternatively, Dynamics (f,mf, p), 2 notes together, 2 or more notes, Phrase, Hands play together	16		
		Hands play alternatively, Dynamics (f,mf, p), Phrase, Hands play together, 2 notes together	17		
		Hands play alternatively, Dynamics (f, p), Phrase, Crescendo, Decrescendo	18		
		Hands play alternatively, Dynamics (p), Phrase, Crescendo, Decrescendo	19		
		Hands play alternatively, Dynamics (f, p), Phrase, Hands play together, 2 notes together, Crescendo, Decrescendo, Staccato, Five finger position (C position)	20		
		Hands play alternatively, Dynamics (f, p), Phrase, Hands play together, 2 notes together, Crescendo, Decrescendo, Staccato, Five finger position (C position)	21		
		RH only, LH only	22		
		RH only, LH only, 2 notes together	23		
No. of pages	1		21		1
Percent of total pages (22)	5%		95%		5%

Alfred's Premier Piano Course Lesson 1A (2005)

Activity		Written instruction		Signs/notes written on music		Use of picture		Checklist remind student		Practice journal		Workout information		Question	
Technique concepts	Page No.	Technique concepts	Page No.	Technique concepts	Page No.	Technique concepts	Page No.	Technique concepts	Page No.	Technique concepts	Page No.	Technique concepts	Page No.	Technique cocnepts	Page No.
Move freely	9	LH only	9	Hands play alternatively	7	Five finger position (C position)	50	Arms hand loosely, mind involvement	5	Fingering	7	Round hand position, Firm 1 joint onfinger	11	Mind involvement	46
Move freely	10	Dynamics loud	11	Dynamics (moderately loud)	8	Firm 1st joint	11			Fingering	12	Head/shoulder relax, Sit tall	14	Mind involvement	50
Move freely	11	RH only, LH only	18	LH only	10					Fingering,	20	move freely	25		
Analogy mind involment	14	RH only, LH only	19	RH only	11					Fingering, mind involvement	45	Hand level, wrist level	39		
Move freely	18	LH only	20	Dynamics moderately loud, Hands play alternatively	12							Hand level, Wrist level, Finger pad, Thumb use, use of 5th finger	46		
Move freely	19	RH only	21	Dynamics f, p, Hands play alternatively	13							Hand level, Wrist level, Finger pad, Thumb use, use of 5th finger	50		
Move freely	20	Gradually louder	22	Dynamics f, p, Hands play alternatively	14							Move freely	52		
Move freely	21	Gradually louder	23	Dynamics f, Hands play alternatively	15										
Move freely	24	Gradually softer	29	Dynamics f, Hands play alternatively	16										
		Pedallying	31	Dynamics p, Hands play alternatively	17										
		LH only, RH only	33	Dynamics p, RH only	18										
		Pedaling	36	Dynamics (mf), RH only	20										
		Rounded hand position	37	Dynamics (mf, f), LH only	21										
		Pedaling	39	Dynamics (f,p), Hands play alternatively	22										
		Pedaling	41	Dynamics (f,p), Hands play alternatively	23										
		LH only	44	Dynamics (mf), Hands play alternatively	24										
				Dynamics (mf), Hands play alternatively	25										
				Dynamics (mf), Hands play alternatively	26										
				Dynamics (p), Hands play alternatively	27										
				Dynamics (mf), Hands play alternatively	28										
				Dynamics (mf), Hands play alternatively	30										
				Dynamics (mf), Hands play alternatively	31										
				Dynamics f, gradually softer, RH only, LH only	34										
				Dynamics mf, f, p, Hands play alternatively	35										
				Dynamics (mf), LH only	36										
				Dynamics mf, 2 notes together, LH only	37										
				Dynamics (p), Hands play alternatively	38										
				RH only	39										
				Dynamics mf, Hands together, Hands play alternatively	40										
				Dynamics p, Hands play alternatively, 2 notes together	41										
				Dynamics f, Hands play alternatively	42										
				Dynamics f, Hands play alternatively	43										
				Dynamics p, mf, Hands play alternatively	45										

Alfred's Premier Piano Course Lesson 1A (2005)

Activity		Written instruction		Signs/notes written on music		Use of picture		Checklist remind student		Practice journal		Workout information		Question	
Technique concepts	Page No.	Technique concepts	Page No.	Technique concepts	Page No.	Technique concepts	Page No.	Technique concepts	Page No.	Technique concepts	Page No.	Technique concepts	Page No.	Technique cocnepts	Page No.
				Dynamics mf, LH only, RH only	46										
				Dynamics p, f, LH only	47										
				Dynamics (mf), Hands play alternatively	48										
				Dynamics mf, p, Fingering, Hands play alternatively	49										
				RH only, LH only	50										
				Dynamics f, Fingering, Hands play alternatively	51										
				Dynamics mf, Hands play alternatively	52										
				Dynamics mf, f, p, Hands play alternatively	53										
				Dynamics f, LH only, RH only	54										
				Dynamics f, Hands play alternatively	55										
				Dynamics f, LH only	56										
				Dynamics f, RH only	57										
				Dynamics (mf), Hands play alternatively	58										
				Dynamics (mf), Hands play alternatively	59										
				Dynamics f, Hands play alternatively	60										
				Dynamics (f,mf, p), Hands play alternatively	61										
				Dynamics p, mf, f, Hands play alternatively, Gradually louder	62										
No. of page	9		16		50		2		1		4		7		2
Percent of total pages (60)	15%		27%		83%		3%		2%		7%		12%		3%

Alfred's Premier Piano Course Technique 1A (2005)

Activity		Written instruction		Signs/notes written on music		Use of picture		Technique tool (written in a statement)		Technique Tip: statement to remind student		Etude statement remind student the technique		Technique Quiz (question to student)	
Technique element	Page No.	Technique element	Page No.	Technique element	Page No.	Technique element	Page No.	Technique element	Page No.	Technique element	Page No.	Technique element	Page No.	Technique element	Page No.
Mind involvement (discussion with teacher technique of weight)	9	Strong fingertips, Listening skill (written in box)	20	2 notes together, Hands play alternatively	5	Round hand position, Finger pad, Arm weight	7	Relaxed shoulder, Relaxed/heavy arm	4	Arm weight, Move freely	6	Finger weight, Arm weight	9	Mind involvement, Fingers Activity	14
Mind involvement	12	Strong fingertips, Listening skill (written in box)	20	Dynamic moderately loud	6			Round hand position, Finger pad, Arm weight, Move freely	7	Strong fingertips	7			Mind involvement, Fingers Activity	15
Mind involvement (memorize musical pattern)	16	Arm weight	20	3 notes together, Dynamic loud	7			Round hand position	8	Dynamics (f), Arm weight,	8			Mind involvement	20
Mind involvement	17	Arm weight	21	Hands play alternatively	8			Round hand	11	Dynamics (mf)	11			Mind involvement	21
Hnds play together (technique challenge request)	25	Listening skill	26	Arm weight, Hand play alternatively, 2 notes together, 3 notes together, Dynamics (f, p)	9			Tone quality	13	Dynamics (mf, f, p)	12			Rotary (gently rock), Balance	30
Mind involvement (imagine color of music)	26	Listening skill	27	Movely, Hands play Alternately, Dynamics (f)	10			Round hand position, Wrist level, Finger weight	29	Strong fingertips, finger independence	16			Rotary (gently rock), Balance	31
Mind involvement (imagine color of music)	27			Hands play alternatively, Dynamics (p), move freely	11					Strong fingertips, Finger independence	17				
Mind involvement	29			Hands play alternatively, move freely	12					Round hand position/Arched hand, Use of 5th finger, thumb, arm weight, tone	18				
Mind involvement (paint sound picture of music mood)	30			Dynamics (f), Hands play alteratively	13					Strong finger tips, Use of thumb, 5th finger	19				
Mind involvement (paint sound picture of music mood)	31			Dynamics (mf, p), Hands play alteratively	14					Move freely, Finger close to keys (repeated notes)	22				
				Dynamics (mf, p), Hands play alteratively	15					Strong fingertips, finger independence	23				
				Move freely, LH only, Dynamics (f)	16					Finger independence,	24				
				Move freely, RH only, Dynamics (f)	17					Finger weight,	25				
				LH only, RH only, Dynamics (f)	18					Finger weights	28				
				Move freely, Dynamics (mf), RH only, LH only	19										
				Hands play alternatively, Dynamics (p, mf, f)	20										
				Hands play alternatively, Dynamic (p, mf, f)	21										
				LH only, RH only, Dynamics (mf & p)	22										
				RH only, LH only, move freely, Dynamics (f, mf)	23										
				LH only, Dynamics (mf & p)	24										
				RH only, Dynamics (f, p)	25										
				Dynamic (f, mf, p), Hands play alternatively	26										
				Dynamics (mf, p), Hands play alteratively	27										
				Move freely, Dynamics (mf, f, p), LH only, RH only	28										
				Dynamics (f), LH only, RH only	29										
				Hands play alternatively, Dynamics (p, mf, f)	30										
				Hands play alternatively, Dynamics (p, mf, f)	31										
No. of page	8		6		25		1		6		14		1		6
Percent of total pages (29)	28		21		86		3%		21%		48%		3%		21%

Bastien Piano Basic Primer Lesson (1985)

Activity		Written Instruction		Signs/notes written on music		Use of picture		Practice Direction	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
Move freely	7	RH only, LH only	7	Hands play alternatively	11	Technique elements	Page no.	Fingering, LH only	8
		RH only, LH only	14	Hands play alternatively	12	Five finger position (C position)	26	Fingering	10
		RH only, LH only	15	Hands play alternatively	13	Five finger position (C position)	28	Fingering, Hands play alternatively	16
		Dynamic (f, p)	31	Hands play alternatively	17	Five finger position (C position)	30		
		Legato	34	Hands play alternatively	18	LH only	8		
				Hands play alternatively	19	Hands play alternatively	11		
				Hands play alternatively	20	Hands play alternatively	12		
				Hands play alternatively	21	Hands play alternatively	13		
				Hands play alternatively	22	Hands play alternatively	16		
				Hands play alternatively	23				
				RH only	26				
				RH only	27				
				LH only	28				
				LH only	29				
				Hands play alternatively	30				
				Hands play alternatively	31				
				Dynamics (f), Hands play alternatively	32				
				Dynamics (f), Hands play alternatively	33				
				Hands play alternatively, Dynamics (p),	34				
				Phrasing, Hands play alternatively, Dynamics (f)	35				
				Phrasing, Hands play alternatively, Dynamics (f)	36				
				Hands play alternatively, Dynamics (f),	37				
				Hands play alternatively, Dynamics (f, p), Phrasing	38				
				Hands play alternatively, Dynamics (f)	39				
				Phrasing, Hands play alternatively, Dynamics (f), 2 notes together	40				
				Hands play alternatively, Dynamics (f, p)	41				
				Phrasing, Hands play alternatively, Dynamics (f), 3 notes together, Hands play together	42				
				Phrasing, Dynamics (f), 3 notes together, Hands play together	43				
				Hands play alternatively, Dynamics (f, p)	44				
				Phrasing, Hands play alternatively, Dynamics (f, p)	45				
				Phrasing, Hands play alternatively, Dynamics (f)	46				

Bastien Piano Basic Primer Lesson (1985)

Activity		Written Instruction		Signs/notes written on music		Use of picture		Practice Direction	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
				Phrasing, Hands play alternatively, Dynamics (f)	47				
				Phrasing, Hands play alternatively, Dynamics (f, p)	48				
				Phrasing, Hands play alternatively, Dynamics (p), Hands play together	49				
				Phrasing, Hands play alternatively, Dynamics (p), Hands play together	50				
				Phrasing, Hands play alternatively, Dynamics (p), Hands play together	51				
				Phrasing, Hands play alternatively, Dynamics (f)	52				
				Phrasing, Hands play alternatively, Dynamics (f), 3 notes together, Hands play together	53				
				Phrasing, Hands play alternatively, Dynamics (f), 2 notes together, Hands play together	54				
				Phrasing, Dynamics (f), 2 notes together, Hands play together	55				
				Hands play alternatively, Dynamics (f, p), Hands together	56				
				Hands play alternatively, Dynamics (f), Hands together, Staccato	57				
				Phrasing, Dynamics (f), 3 notes together, Hands play alternatively, Staccato	58				
				Phrasing, Dynamics (p, f), 2 notes together, Hands play together	59				
				Phrasing, Hands play alternatively, Dynamics (p, f), 2 notes together, Hands play together, Staccato	60				
				Phrasing, Hands play alternatively, Dynamics (p, f), 2 notes together, Hands play together, Staccato	61				
No. of pages	1		5		46		9		3
Percent of total pages (59)	2%		8%		78%		15%		5%

Bastien Piano Basics Primer Technic (1985)						
	Signs/notes written on music		Use of picture		Practice journal/Direction	
	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
	Hands play alternatively	3	Five finger position (C position)	6	Curved fingers, Legato	6
	Hands play alternatively	4				
	Hands play alternatively	5				
	Hands play alternatively, Dynamics (f, p)	6				
	Dynamics (f, p)	7				
	Hands play together, Dynamics (f, p)	8				
	Hands play together, Dynamics (f, p)	9				
	Hands play together, Dynamics (f, p)	10				
	Slur, Wrist roll, Hands play alternatively, Hands play together, Dynamics (f, p)	11				
	Hands play together, Dynamics (f, p)	12				
	Hands play together, Dynamics (f, p)	13				
	Hands play alternatively, Dynamics (f, p)	14				
	Hands play alternatively, Dynamics (f, p), 2 notes together, Slur	15				
	Hands play together, Dynamics (f, p)	16				
	Hands play alternatively, Dynamics (f, p)	17				
	Hands play alternatively, Dynamics (f, p), Slur	18				
	Hands play alternatively, Dynamics (f, p), Slur	19				
	Hands play alternatively, Dynamics (f, p), Slur	20				
	Hands play alternatively, Dynamics (f, p), Hands play together, Slur	21				
	Hands play together, 2 note together, Slur, Dynamics (f, p)	22				
	Hands play alternatively, Dynamics (f, p), Hands play together, 3 notes together	23				
	Hands play together, Dynamics (f, p)	24				
	Staccato, 2 notes together, Dynamics (f, p)	25				
	Hands play alternatively, Dynamics (f, p), Slur	26				
	Hands play alternatively, Dynamics (f, p), Slur	27				
	Hands play alternatively, Dynamics (f, p), wrist roll	28				
	Hands play alternatively, Dynamics (f, p)	29				
	Hands play together, Dynamics (f, p)	30				
	Hands play alternatively, Dynamics (f), Hands play together, 2 notes together, Slur, Staccato	31				
No. of Pages		29		1		1
Percent of total pages(30)		97%		3%		3%

Celebrate Piano 1A (2003)

Activity		Written instruction		Signs/notes written on music		Use of picture as guide without explanation		Practice journal/Plan		Question (Be the judge)	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
Hands play alternatively (say which hand)	9	2 notes together, 3 notes together	8	Hands play alternatively	7	Firm/rounded fingers	15	Arm drop freely, Firm/rounded fingers	15	Dynamics (f, p)	22
Move freely	10	Arm drop freely,	10	RH only, LH only	8	Move freely	22	Arm drop freely	17	Dynamics (f, p), Listening skill	32
Fingering	11	Firm/rounded fingers	12	RH only, LH only	9			Move freely, Hands play alternatively, Legato,	22	Listening skill, Dynamic, Legato	39
Hands play alternatively	17	Firm/rounded fingers	16	RH only, LH only	10			3 notes together, Move freely, Dynamics (f, p), Hand plays alternatively	23	Dynamics (f, p), Listening skill	49
Move freely	18	Legato, Lift up hand	35	RH only, LH only, 2 notes together	12			Mind involvement	26	Phrase, Dynamics (p), Legato	58
LH only, LH only, Hands play alternatively, move freely, Firm/rounded fingers	20	LH only, RH only	47	Hands play alternatively, 2 notes together, 3 notes together	15			Hands play alternatively	32	Phrase, Listening skill, Legato,	61
Dynamic (f, p), Move freely (improvisation)	25	Legato,	48	Hands play alternatively, 2 notes together	16			Hands play alternatively	33	Legato, Listening skill	69
Hands play alternatively	27	Legato, Firm/rounded fingers	56	2 notes together, 3 notes together	17			Legato, Hands play alternatively	34	Phrase, Dynamics (f), Legato, Listening skill,	72
Fingering (say no.)	30	Legato, Firm/rounded fingers, RH only	63	3 notes together	18			Phrase,	39		
Hands play alternatively	35			2 notes together	20			Phrase, Legato, Fingering,	40		
Move freely (improvisation), Dynamics (f, p)	38			3 notes together, RH only, LH only	21			Phrase, Legato	42		
Fingering	48			3 notes together	22			Fingering, Phrase	49		
Hands play alternatively, Hands play together	51			3 notes together	23			Hands play alternatively, Phrase,	50		
Fingering (say no.)	63			RH only, LH only	26			Fingering, Phrase,	55		
Dynamics (f, p), Legato (improvisation)	66			RH only, LH only	30			Mind involvement (write own practice plan)	58		
Fingering (finger warm up), Legato, Phrase,	68			RH only, LH only	31			RH only, LH only, Hands together, Hands play alternatively, Fingering, Phrase	59		
				Dynamics (f)	33			Mind involvement (write own practice plan), Fingering,	61		
				Dynamics (p), Phrase	34			Mind involvement, Fingering	62		
				RH only	36			Mind involvement, Fingering, Phrase	67		
				Hands play alternatively	40			Mind involvement, Dynamic (f) (question)	69		
				Hands play alternatively, dynamics (p)	42			Mind involvement (write own practice plan), Dynamic (p, f) (question),	71		
				Hands play alternatively	44			Mind involvement, Hands plays together,	72		
				Hands play alternatively, 2 notes together, phrase	45			Mind involvement,	73		
				Dynamics (f)	47			Mind involvement	78		
				Phrase, LH only, RH only	48			Mind involvement	79		

Celebrate Piano 1A (2003)

Activity		Written instruction		Signs/notes written on music		Use of picture as guide without explanation		Practice journal/Plan		Question (Be the judge)	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
				Hands play alternatively	49						
				Dynamics (f)	50						
				Dynamics (f, p)	51						
				Hands play alternatively, Hands play together, Dynamics (p)	55						
				RH only, LH only	56						
				Hands play alternatively	58						
				Dynamics (f), 2 notes together	59						
				Hands play alternatively, Hands play together, Dynamics (f)	61						
				Phrase, RH only, LH only, Dynamics (p)	62						
				Hands play alternatively	63						
				Dynamics (p), Hands play alternatively, 2 notes together	67						
				Hands play laternatively	68						
				Hands play laternatively, Phrase	69						
				Hands play laternatively, Phrase	71						
				Hands play alternatively, 2 notes together	72						
				Hands play alternatively, Dynamics (f)	73						
				Hands play alternatively, 2 notes together	74						
				Phrase, Hands play alternatively, Hnads play together, Dynamics (f, p)	78						
				Phrase, Hands play alternatively, Hnads play together, Dynamics (f, p)	79						
No. of Pages	16		9		44		2		25		8
Percent of total pages (77)	21%		12%		57%		3%		32%		10%

Hal Leonard Piano Lesson Book 1

Activity		Written instruction		Signs/notes written on music		Use of picture	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
Move freely	7	Curved fingers	7	Hands play alternately	9	Curved fingers	7
1st joint, move freely	8	Curved fingers	8	LH only	12	Curved fingers, 1st joint	8
Move freely	9	RH only	22	RH only	13	Curved fingers, 1st joint	21
Move freely	11	LH only	26	Hands play alternately, 3 notes together	14		
Curved finger, 1st joint (brass the finger), move freely	21	LH only	37	Hands play alternately, 3 notes together	15		
Move freely	22	RH only	40	Hands play alternately	16		
Move freely	26			Hands play alternately, 3 notes together	17		
				Hands play alternately	18		
				Hands play alternately	19		
				Hands play alternately	20		
				Hands play alternately	24		
				Hands play alternately	25		
				Hands play alternately, Dynamics (f)	28		
				Hands play alternately, Dynamics (f)	29		
				Hands play alternately, Dynamics (f)	30		
				Hands play alternately, Dynamics (p)	31		
				Hands play alternately, Dynamics (f, p)	32		
				Hands play alternately, Dynamics (f)	33		
				Hands play alternately, Dynamics (f)	34		
				Hands play alternately, Dynamics (f)	35		
				LH only, Dynamics (f)	38		
				LH only, Dynamics (f)	39		
				Dynamics (f)	40		
				RH only, Dynamics (f)	41		
				Hands play alternately, Dynamics (f)	43		
				Hands play alternately, Dynamics (f)	44		
				Hands play alternately, Dynamics (f)	45		
				Hands play alternately, Dynamics (f)	46		
				Hands play alternately, Dynamics (mf, mp)	47		
				Hands play alternately, Dynamics (mf, mp)	48		
				Hands play alternately, Dynamics (mf, mp)	49		
				Hands play alternately, Dynamics (mf)	51		
				Hands play alternately, Dynamics (f)	52		
				Hands play alternately, Dynamics (f)	53		
				Hands play alternately, Dynamics (f)	54		
				Hands play alternately, Dynamics (mf, f, p)	55		
				Hands play alternately, Dynamics (mf)	56		
				Hands play alternately, Dynamics (mf)	57		
				Hands play alternately, Dynamics (f)	58		
				Hands play alternately, Dynamics (mf)	59		
				Hands play alternately, Dynamic (mf, mp)	60		
				Hands play alternately, Dynamics (mf, mp)	61		
				Hands play alternately, Dynamics (f, mp)	62		
				Hands play alternately, Dynamics (f, mp)	63		
No. of pages	7		6		44		3
Percent of total pages (61)	11%		10%		72%		5%

Hal Leonard Piano Technique Book 1 (1996)

Activity		Signs/notes written on music		Musical fitness plan (with warm ups) Written instruction		Musical fitness plan (check list for concept learned)	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
Curved finger tip (thumb behind the first joint of 3rd finger)	8	Hands play alternatively, 3 notes together	4	Arm weight, Beautiful tone,	7	Mind involvement, Dynamics (f, p)	11
		Hands play alternatively, 3 notes together	5	Finger close to keys, Wrist movement	11	Hand position general, Tone quality, Fingers close to keys on rest signs, Dynamics (f, p), Legato (connected tones), Mind involvement, Staccato	15
		Hands play alternatively	6	Arm weight	15	Hand position, Arm weight, Tone quality, Dynamics (f, p), Legato (connected tones), Detached tones (Staccato), Mind involvement	22
		LH only, RH only	7	Wrist bounce, Listening skill	22	Hands play alternatively, Hand position, Tone quality, Arm weight, Dynamics (f, mf, p), Legato (connected tone), Detached tones (Staccato), Mind involvement	27
		Hands play alternatively	8	Wrist bounce, Listening skill	27		
		Dynamics (f), RH only	9				
		Dynamics (f, p), LH only	10				
		Dynamics (p), Hands play alternatively	12				
		Hands play alternatively, Dynamics (f)	13				
		Hands play alternatively, Dynamics (f)	14				
		Dynamics (f, p), LH only	16				
		Dynamics (p), LH only	17				
		Dynamics (p), RH only	18				
		Dynamics (f), RH only	19				
		Dynamics (p), Hands play alternatively	20				
		Dynamics (p), Hands play alternatively	21				
		Hands play alternatively, Dynamics (f, p)	23				
		Hands play alternatively, Dynamics (f)	24				
		Hands play alternatively, Dynamics (f)	25				
		Hands play alternatively, Dynamics (mf)	26				
		Hands play alternatively, Dynamics (mp)	28				
		Hands play alternatively, Dynamics (mf)	29				
		Hands play alternatively, Dynamics (mp, mf, p)	30				
		Hands play alternatively, Dynamics (mp, mf, p)	31				
		Hands play alternatively, Dynamics (f)	32				
No. of pages	1		25		5		4
Percent of total pages (30)	3%		83%		17%		13%

Music for Piano Book 1 Revised (2006)

Activity		Written instruction		Signs/notes written on music		Use of picture	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
Fingering	3	Swing	10	RH only	9	Five finger position (G major), LH only, RH only	3
Fingering	4	Crescendo	22	RH only, LH only	10	Five finger position (G major), LH only, RH only	4
Fingering	5	Staccato, Wrist down up motion	33	RH only	11	RH only, LH only	5
Fingering	6	Wrist down up motion	38	Five finger position (D major)	12	Five finger position (G major), LH only, RH only	6
Fingering	7			Hands play alternatively	13	Five finger position (C & Db major), RH only, LH only, Fingering	7
Five finger position (F major, G major, Gb major) (Transposition)	13			Hands play alternatively, Hands play together	14	Five finger position (F# major, Gb major)	11
Five finger position (Db & Eb major) (Transposition)	15			Hands play alternatively, Hands play together	15	Five finger position (F major)	14
Five finger position (E major, G major) (Transposition)	16			Five finger position (C major, F major), Hands play alternatively	16	Five finger position (D major)	15
Five finger position (G major) (Transposition)	17			Five finger position (F# major), Hands play alternatively, Hands play together	17		
Five finger position (Eb major, Db major)	20			Five finger position (C major), Hands play alternatively	18		
Five finger position (G & Gb major)	28			Five finger position (D major), Hands play alternatively, Dynamics (mf, f)	19		
Five finger position (Db, D major)	30			Five finger position (c major, D major), Dynamics (f)	20		
Five finger position (Eb, E, Db major)	31			Hands play alternatively, Hands play together, Dynamics (f, p), Five finger position (E & C major)	21		
Five finger position (D, E major)	35			Hands play alternatively, Dynamics (f, p), Five finger position (F & D major)	22		
Five finger position (C, B major)	36			Hands play alternatively, Crescendo, Decrescendo, Dynamic (p)	24		
Five finger position (E, F major)	38			Phrasing, Dynamic (p, mf), Crescendo, Decrescendo, Hands play together, Five finger position (F major)	25		
Fingering (try out different fingering and find the best)	43			Parallel motion, Dynamic (p, mp, mf, f), Crescendo, Decrescendo, Hands play together, Hands play alternatively, Five finger position (C, D major)	26		
				Move freely, Five finger position (C, F, G, D, E, A major), Hands play alternatively	27		
				Phrasing, Dynamics (p, mp), Crescendo, Decrescendo, 3 notes together, Five finger position (F major), Hands play together	28		
				3 notes together, Hands play alternatively, Five finger position (Db, Eb, Gb major)	29		
				Five finger position (C major), Hands play together, Phrasing, 3 notes together	30		
				3 notes together, Phrasing, Crescendo, Decrescendo, Dynamics (f, p), Hands together, Five finger position (D, C major)	31		
				Hands play alternatively, Five finger position (F major), 3 notes together	32		
				Dynamic (f, p), Crescendo, Five finger position (Db, D, C major), 3 notes together	33		

Music for Piano Book 1 Revised (2006)

	Activity		Written instruction		Signs/notes written on music		Use of picture	
	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
					Phrasing, Hands play together, Five finger position (D major), Dynamics (f, mp, p), 3 notes together	34		
					Phrasing Crescendo, Decrescendo, Staccato, 3 notes together, Five finger position (C major), Hands play together	35		
					Phrasing, dynamic (f, p), Hands play together, 3 notes together, Five finger position (Db major)	36		
					Phrasing, Hands play together, Five finger position (F major), Dynamics (f)	37		
					Phrasing, Hands play together, Five finger position (Eb major)	38		
					Phrasing, Crescendo, dynamic (p, mp, f)	39		
					Phrasing, Dynamic (mp, mf), Hands play together, Five finger position (F major), Hands play alternatively	40		
					Phrasing, Five finger position (D major, D minor), Hands play together, 3 notes together, Decrescendo, Dynamics (p, pp)	41		
					Accents, Dynamics (pp, p, f, ff), Phrasing, crescendo, Decrescendo, Five finger position (d minor), 3 notes together	42		
					Phrasing, Crescendo, Dynamics (f, ff), Hands play together, 2 notes together	43		
					Phrasing, Hands play together, Dynamics (pp, mp, mf), Staccato, Crescendo, Decrescendo, Five finger position (C major, F major), 3 notes together	44		
					Pentatonic scales, phrasing, Dynamic (f, mp, p, pp), Crescendo, Decrescendo, 2 notes together	45		
					2 notes together, Phrasing, Dynamics (ppp, pp, mp, p mf, f), Crescendo, Decrescendo, Staccato, Hands play together	46		
					2 notes together, Phrasing, Dynamics (ppp, pp, mp, p mf, f), Crescendo, Decrescendo, Staccato, Hands play together	47		
					Five finger position (G major), RH only.	48		
No. of pages		17		4		39		8
Percent of total pages (47)		36%		9%		83%		17%

Music for Piano Finger Builders Book 1 Revised (2006)

Activity		Written instruction		Signs/notes written on music		Use of picture as guide without explanation		Checklist	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
Move freely (cross hand)	41	Curved fingers	3	Parellel motion	13	LH only, RH only	3	Curved fingers, Firm fingers, Feel the weight in fingertips, Pull up slight	4
		Curved fingers, Firm fingers, Feel the weight in finger tips, Pull up slight	5	Parellel motion	15	RH only, LH only	4	Curved fingers, Feel the weight in fingertips, Pull up slight	6
		Curved fingers, Feel the weight in fingertips	7	Hands play together, Five finger position (C to F), Parellel motion	16	RH only, LH only	5	Curved fingers, Firm fingers, Feel the weight in fingertips	8
		Curved fingers, Feel the weight in fingertips	10	Hands play together, Five finger position (F# to B), Parellel motion	17	RH only, LH only	6		
		Curved fingers, Firm Knuckles, Feel the weight in fingertips	11	Five finger position (C to F), Hands play together	18	LH only, LH only	7		
		Curved fingers, Pull up slightly, RH only, LH only	12	Five finger position (F# to B), Hands play together, Contrary motion	19	LH only, RH only	8		
		Curved fingers, Firm fingers, Feel the weight in finger tips,	13	Five finger position (C to F), Hands play together, Parellel motion	20	LH only, RH only	9		
		Curved fingers	14	Slur, Five finger position (F# to B), Hands play together	21	LH only, RH only	10		
		Dynamic (loud & soft), Curved fingers, firm knuckles,	16	Five finger position (C to F), Parellel motion, Hands play together	22	LH only, RH only	11		
		Dynamic (loud & soft), Curved fingers, firm knuckles,	17	Hands play together, Contrary motion, Fie finger position (F# to B)	23	Hands play alternatively, Five finger position (C to F)	13		
		Wrist rotation	18	Five finger position (from 1# to 6#), Hands play together, Parellel motion	24	Hands play together, Five finger position (C to F),	14		
		Wrist rotation, Dynamic (loud & soft),	19	Five finger position (from 1 b to 6 b), Parellel motion, Hands play together	25	Hands play together, five finger position (Gb to B)	15		
		Wrist rotation	20	Five finger position (C to F), Parellel motion	26				
		Feel the weight in fingertips, Wrist rotation	21	Staccato, Five finger position (F# to B), Hands play together, Parellel motion	27				
		Crescendo, Diniuendo	23	Hands play together, Five finger position (C to F), Parellel motion	28				
		Dynamics (loud & soft)	25	Broken chord, 3 notes together, Hands play alternatively, Hands play together, Five finger position (F# to B)	29				
		LH only, RH only, Hands play together	26	Hands play alternatively	30				
		Wrist rotation	28	Hands play alternatively, Scale-tetrachords (1 b up to 6b)	31				

Music for Piano Finger Builders Book 1 Revised (2006)

Activity		Written instruction		Signs/notes written on music		Use of picture as guide without explanation		Checklist	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
		Crescendo, Diminuendo	29	Hands play together, Parellel motion, Five finger position (C to F)	32				
		Legato, Staccato, Broken chord	32	Staccato, Hands play together, Parellel motion, Five finger position (F# to B)	33				
		Balance between hads	33	Dynamics (f), Crescendo, Diminuendo, Five finger position (C to F), Parellel motion, Broken chord	34				
		Dynamics (loud & soft)	35	Parellel motion, Five finger position (F# to B)	35				
		Crescendo, Diminuendo	36	Five finger position (C to F), Parellel motion, Hands play together	36				
		Crescendo, Diminuendo	37	Five finger position (F# to B), Hands play together, Parellel motion	37				
		Pull up slight (release note)	40	Scale-tetrachord (C to F#), Hands play alternatively	38				
		Crescendo, Diminuendo	41	Scale-tetrachord (1b up to 6b), Hands play alternatively	39				
		Wrist down up motion, Dynamic (loud & soft)	42	Hands play alternatively	40				
		Wrist down-up motion	43	Minor Arpeggio (F# to B)	41				
		Wrist rotation, Firm knuckle, Fingers clsoe to keys	44	Hands play together, Parellel motion	42				
		Dynamics (loud & soft), Crescendo, Diminuendo	47	2 notes slur, Hands play together, Parellel motion	43				
				Contrary motion, Hands play together	44				
				Contrary motion, Hands play together	45				
				Scale-tetrachods (C to B), Hands play alternatively	46				
				Hands play together, Parellel motion	47				
No. of pages	1		30		34		12		3
Percent of total pages (46)	2%		65%		74%		26%		7%

Music Pathways Discoveries Book A (1983)

Activity		Written instruction		Signs/notes written on music		Use of picture		Question		Daily Exercise	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
Move freely	5	Clusters	5	Hands play alternatively, Hands play together	10	RH only, LH only, Cluster	5	Mind involvement	12	Legato, RH only, LH only	35
Move freely	6	clusters, Good hand shape, RH only, LH only	8	Hands play alternatively, Dynamics (f)	11	Clusters, RH only, LH only	6	Mind involvement, listening skill	17	Legato, RH only, LH only	38
Move freely	13	Listening skill	9	Hands play alternatively, Hands play together, Dynamics (f, p)	12	Cluster, RH only, LH only	8			Legato, RH only, LH only	42
Move freely	20	Good hand shape, Dynamics (f, p)	10	Dynamics (f)	13	Hands play alternatively, 2 notes together	9			RH only, LH only	48
Move freely	21	RH only, LH only,	13	RH only, LH only, Dynamic (f)	14	2 notes together	10			RH only, LH only	52
Move freely	27	Legato	16	Hands play alternatively, Dynamics (p)	15	2 notes together	11			RH only, LH only	62
Mind involvement	60	Listening skill, legato	25	Hands play alternatively, RH only, LH only, Dynamics (p)	16	Hands play alternatively, Hands play together	12				
		Listening skill	39	Dynamics (p), RH only, LH only	17	RH only, LH only	14				
		Listening skill, legato	44	Hands play alternatively, Legato, Dynamics (f, p)	18	Hands play alternatively	15				
		Listening skill	51	Hands play alternatively, Dynamics (f)	19	Hands play alternatively	16				
		Listening skill	59	Hands play alternatively, Dynamics (f)	20	LH only, RH only	17				
		Rh only, LH only	60	Hands play alternatively, Dynamics (f)	21	Hands play alternatively	18				
				Hands play alternatively, Dynamics (p)	22	Hands play alternatively	22				
				Hands play alternatively, Dynamics (f)	23	Hands play alternatively	23				
				Hands play alternatively, Dynamics (p)	24	Hands play alternatively	24				
				Hands play alternatively, Dynamics (f)	25	Hands play alternatively	25				
				Hands play alternatively, Dynamics (p)	26	Hands play alternatively	26				
				RH only, LH only	27	Hands play together	30				
				Hands play alternatively, Dynamics (f, p)	28	Hands play alternatively	32				
				Hands play alternatively, Dynamics (f)	29						
				Hands play alternatively, Hands play together, Dynamics (p), 2 notes together	30						
				Hands play alternatively, Dynamics (f)	31						
				Hands play alternatively, Dynamic (f, p)	32						
				Hands play alternatively, Dynamics (f)	33						
				Hands play alternatively, Dynamics (f, p), cluster	34						
				Hands play alternatively, Dynamics (f, p)	35						
				Hands play alternatively, Dynamics (p), 2 notes together	36						
				Hands play together, 2 notes together, Dynamics (f, p)	37						
				Hands play alternatively, Dynamics (p)	38						
				Hands play alternatively, Dynamics (p)	39						
				Hands play alternatively, Dynamics (f, p)	40						
				Hands play alternatively, Dynamics (p)	41						

Music Pathways Discoveries Book A (1983)

	Activity		Written instruction		Signs/notes written on music		Use of picture		Question		Daily Exercise	
	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
					Hands play alternatively, Dynamics (f)	42						
					Hands play alternatively, Dynamics (f)	43						
					Hands play alternatively, Dynamics (p)	44						
					Hands play alternatively, Dynamics (f, p)	46						
					Hands play alternatively, Hands play together, Dynamics (f)	47						
					Hands play alternatively, Legato, Dynamics (f)	48						
					Hands play together, 2 notes together, Dynamics (f)	49						
					Hands play alternatively, Dynamics (f)	50						
					Hands play together, 2 notes together, Dynamics (f, p)	51						
					Hands play together, 2 notes together, Dynamics (p)	52						
					Hands play alternatively, Hands play together, Dynamics (f), 2 notes together	53						
					Hands play together, 2 notes together, Dynamics (f, p)	54						
					Hands play alternatively, Dynamics (p)	55						
					Hands play together, 2 notes together, Dynamics (f, p)	56						
					Hands play alternatively, Dynamics (f, p)	57						
					Hands play alternatively, Dynamics (p)	58						
					Hands play together, 2 notes together, Dynamics (f)	59						
					Hands play alternatively, Hands play together, Dynamics (f, p), staccato, Legato	60						
					Hands play alternatively, Hands play together, Dynamics (f), 2 notes together	61						
					Hands play together, 2 notes together, Dynamics (f, p)	62						
					Hands play alternatively, Dynamics (f)	63						
					Hands play alternatively, Dynamics (f), Staccato	64						
No. of Pages		7		12		54		19		2		6
Percent of total pages (61)		11%		20%		89%		31%		3%		10%

Piano Adventure Primer Lesson (2011)

Activity		Written instruction		Signs/notes written on music		Use of picture as guide		Practice journal/Plan/Step/ Direction		Question		Finger Check		Discovery		Technique check	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
Mind involvement (analogy & pictures)	5	Listening skill	15	LH only	10	Fingering	10	Curved finger tips (brace the 3rd finger)	9	Mind involvement (check finger)	16	Firm fingertips (strong fingertip)	16	Mind involvement (check firm finger), Firm fingertip	39	Curved finger	56
Fingering	7	Curved fingers	21	RH only	11	Fingering	11	Fingering (say finger no)	16	Mind involvement (in practice step-check finger)	17			Mind involvement (check finger, try hands together)	40		
Move freely	9	Hands play alternatively	24	LH only	12	Fingering	12	Fingering (say finger no)	17	Fingering	39						
Move freely	10	Move freely	27	RH only	13	Fingering	13	Fingering (say finger no)	19	Fingering	40						
Move freely	11	Hand position (check hand shape)	37	Hands play alternatively	16	Five finger position (C position)	58	Fingering (say finger no)	22	Fingering	41						
Move freely	12	Pedaling, Listening skill (creative: listen the bell-like sound after using pedal)	67	Hands play alternatively	17	Curved fingers	35	Fingering (say finger no)	23	Fingering	42						
Move freely	13			Hands play alternatively	19					Fingering	43						
Move freely	22			Hands play alternatively	20					Fingering	44						
Move freely	23			Hands play alternatively, Dynamics (f, p)	21					Fingering	46						
Curved finger (brace 3 finger), Move freely	24			Hands play alternatively, Dynamics (f, p)	22					Fingering	47						
Move freely	25			Hands play alternatively, Dynamics (f, p)	23					Fingering	48						
Mind involvement (explore different dynamic)	30			Hands play alternatively, Dynamics (f)	25					Fingering	49						
Listening skill	31			Hands play alternatively, Dynamics (f)	26					Fingering	50						
Curved finger (brace 3 finger), Move freely	35			Hands play alternatively, Dynamics (f)	27					Fingering	51						
Mind involvement (check finger)	37			Hands play alternatively, Dynamics (f)	28					Fingering	53						
Move freely	45			Hands play alternatively, Dynamics (f), Five finger position (C position)	29					Fingering	54						
Curved finger (brace 3 finger)	59			Hands play alternatively, Dynamics (f), Five finger position (C position)	30					Fingering	55						
Move freely	67			Hands play alternatively, Dynamics (mf)	31					Fingering	58						
				Hands play alternatively, Dynamics (mf)	32					Fingering	60						
				Hands play alternatively, Dynamics (f), Five finger position (C position)	33					Fingering	61						
				Hands play alternatively	35					Fingering	62						
				Hands play alternatively, Dynamics (f, p, mf)	36					Fingering	64						
				RH only, Dynamics (f, p)	37					Fingering	65						
				RH only, Dynamics (f), 2 notes together	38					Fingering	66						
				Hands play alternatively, Hands play together, 2 notes together	39					Fingering	67						
				LH only, Hands together, Dynamics (mf)	40					Fingering	68						
				Hands play alternatively, Dynamics (mf)	41												
				RH only, Dynamics (f, p)	42												
				RH only, Dynamics (f), Five finger position (C major)	43												
				Hands play alternatively, Dynamics (mf)	44												
				RH only, Dynamics (mf)	45												
				Hands play alternatively, Dynamics (f)	46												
				Hands play alternatively, Dynamics (mf)	47												
				Hands play alternatively, Dynamics (mf)	48												
				Hands play alternatively, Dynamics (f, p)	49												
				Hands play alternatively, Dynamics (f, mf), 2 notes together	50												
				Hands play alternatively, Dynamics (f, mf), 2 notes together	51												
				RH only, Dynamics (mf)	52												
				Hands play alternatively, Hands play together, Dynamics (f, p)	53												
				Hands play alternatively, Dynamics (mf)	54												
				Hands play alternatively, Dynamics (f, mf), Pedal	55												
				LH only, Dynamics (f, p)	56												
				Hands play alternatively, Hands play together, Dynamics (f)	57												
				Hands play alternatively, Dynamics (f, mf), LH only	58												
				LH only, Dynamics (f, mf)	59												

Piano Adventure Primer Lesson (2011)

Activity		Written instruction		Signs/notes written on music		Use of picture as guide		Practice journal/Plan/Step/ Direction		Question		Finger Check		Discovery		Technique check	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
				Hands play alternatively, Dynamics (f, p), Five finger position (C position)	60												
				Hands play alternatively, Dynamics (f, p), Five finger position (C position)	61												
				Hands play alternatively, Hands play together, 2 notes together, Dynamics (mf)	62												
				RH only, Dynamics (mf)	63												
				Hands play alternatively, Dynamics (mf), Five finger position (C position)	64												
				Hands play alternatively, Dynamics (mf), Five finger position (C position)	65												
				Hands play alternatively, Dynamics (mf), Five finger position (C position)	66												
				Hands play alternatively	67												
				Hands play alternatively, Hands play together, Dynamics (mf)	68												
				Hands play alternatively, Dynamics (mf)	69												
				Hands play alternatively, Hands play together, 2 notes together, Dynamics (mf, f), Five finger position (C position)	70												
				Hands play alternatively, Hands play together, 2 notes together, Dynamics (mf, f), Five finger position (C position)	71												
No. of pages	18		6		57		6		6		26		1		2		1
Paercent of total pages (68)	26%		8%		84%		9%		9%		38%		1%		3%		1%

Piano Adventure Primer Technique (2011)

Activity	Written instruction		Signs/notes written on music		Use of picture as guide		Question		Technique secret		Artistry magic		
	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	
Hand position (do blooming flowers)	10	Fingering (say finger no), Dynamics (soft & medium loud)	7	LH only, Dynamics (mf)	10	Firm fingertips	6	Rounded hand, Firm fingertips, Mind involvement	8	Firm fingertips	6	Dynamics (f, p, mf) (Question & remind)	16
Hand position (do blooming flowers warm up), Move freely, Mind involvement	11	Firm fingertips (check and watch the firm fingertip)	12	RH only, Dynamics (mf)	11	Firm fingertips	7	Rounded hand, Firm fingertips, Mind involvement	9	Firm fingertips	7	Dynamics (f, p) (Question & remind)	19
Arm weight (heavy wet ropes warm up), Curved fingertips, Mind involvement	12	Firm fingertips (check and watch the firm fingertip)	13	LH only, Dynamics (f)	12			Mind involvement	11	Round hand shape	10	Move freely	21
Curved fingers,	13	Five finger position C5	15	RH only, Wrist (lift), Dynamics (f)	13			Mind involvement, Round hand shape	19	Hand position	11	Dynamics (f, mf) (Question)	24
Use of thumb (perch as warm up), Move freely,	14	Listening skill	16	RH only, Dynamics (mf)	14			Mind involvement	21	Arm weight	12	Dynamics (f, mf) (Question)	25
Use of thumb (perch as warm up), Move freely,	15	Firm fingertips	19	LH only, Dynamics (mf)	15					Arm weight	13	Balance (hand coordination), Mind involvement (name the dynamic signs)	29
Mind involvement	16	Pedaling	24	RH only	16					Use of thumb	14		
Hand position (do blooming flowers warm up), Move freely	17	Pedaling	25	Hands play alternatively, 2 notes together, Dynamics (f)	17					Use of thumb	15		
Arm weight (heavy wet ropes warm up), Curved fingertips, Move freely	18	Round hand shape	26	Hands play alternatively, Dynamics (mf)	18					Hand position	17		
Move freely	19	Pedaling	27	RH only,	19					Arm weight	18		
Use of thumb (perch as warm up), Move freely,	20	Listening skill, Pedaling	29	LH only, Dynamics (f, p, mf)	20					Use of thumb	20		
Hand position (do blooming flowers warm up), Move freely	22			Hands play alternatively, Dynamics (mf)	21					Hand position	22		
Firm fingertips, Move freely	23			RH only, Dynamics (mf)	22					Firm fingertips	23		
Mind involvement	24			LH only, Dynamics (f, p, mf)	23					Good sitting posture	26		
Mind involvement	25			Dynamics (f, mf)	24					Mind involvement (name & demonstrate the technique)	28		
Good sitting posture (Karate pose warm up), move freely	26			Dynamics (f, mf)	25					Mind involvement (name 5 techniques)	30		
Move freely	28			Hands play alternatively, Dynamics (mf)	26					Mind involvement (choose favorite technique)	31		
Move freely	29			Hands play alternatively, Dynamics (mf)	27								
Move freely	32			Hands play alternatively, Dynamics (mf)	28								
				Hands play alternatively, 2 notes together, Dynamics (f, mf, p)	29								
				Hands play alternatively, 2 notes together, Dynamics (f, p), Hands play together, Lift gently	30								
				Hands play alternatively, Dynamics (f, p)	31								
				Hands play alternatively, Dynamics (f, p), Hands play together	32								
No. of page	19		11		23		2		5		16		6
Percent of total pages (28)	68%		39%		82%		7%		18%		57%		10%

Piano Discoveries On-Staff Starter (2001)

Activity		Written instruction		Signs/notes written on music	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
Move freely	7	Curved finger	6	RH only	10
		Supported finger	7	RH only	11
				RH only	14
				RH only	15
				RH only	16
				RH only, Dynamic (f)	17
				LH only, Dynamic (p)	18
				LH only, Dynamic (f)	19
				LH only, Dynamic (f, p)	20
				Hands play alternatively, Dynamics (f)	22
				Hands play alternatively	23
				Hands play alternatively	24
				Hands play alternatively	25
				RH only, Dynamics (p)	26
				RH only, Dynamics (f)	27
				Hands play alternatively, Dynamics (mf)	28
				LH only, Dynamics (f, p)	29
				LH only, Dynamics (mf)	30
				LH only, Dynamics (mf)	31
				Hands play alternatively, Dynamics (mp)	32
				Hands play alternatively, Dynamics (p)	33
				Hands play alternatively, Dynamics (mf)	34
				Hands play alternatively, Dynamics (mf)	35
				RH only, Dynamics (mp)	36
				RH only, Dynamics (mf)	37
				Hands play alternatively, Dynamics (f)	38
				Hands play alternatively, Dynamics (f)	39
				LH only, Dynamics (p)	40
				LH only, Dynamics (mf)	41
				Hands play alternatively, Dynamics (mp)	42
				Hands play alternatively, Dynamics (mf)	43
				Hands play alternatively, Dynamics (mp)	44
				Hands play alternatively, Dynamics (mp)	45
				Hands play alternatively, Dynamics (mf)	46
No. of page	1		2		34
Percent of total pages (42)	2%		5%		81%

Piano Town Method Primer Lesson Book (2004)

Activity		Written instruction		Signs/notes written on music		Question	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
Fingering (sing finger no)	8	Legato	40	Hands play alternatively	9	Mind involvement	8
Move freely	12			Hands play alternatively	10	Mind involvement	9
Move freely	13			Hands play alternatively	11	Fingering, Mind involvement	11
Fingering (sing finger no)	14			Hands play alternatively	14	Mind involvement, Slur	44
Fingering (write finger no)	44			Hands play alternatively	15	Mind involvement	45
Fingering (circle the fingerings)	45			Hands play alternatively	16		
				Hands play alternatively	17		
				Hands play alternatively	18		
				Hands play alternatively, Five finger position (C position)	19		
				Hands play alternatively, Five finger position (C position)	20		
				Hands play alternatively, Five finger position (C position)	21		
				Hands play alternatively, Five finger position (C position)	22		
				Hands play alternatively, Five finger position (C position)	23		
				LH only	24		
				LH only	25		
				RH only	26		
				RH only	27		
				Hands play alternatively	28		
				Hands play alternatively	30		
				Hands play alternatively	31		
				Hands play alternatively	32		
				Hands play alternatively	33		
				Hands play alternatively	34		

Piano Town Method Primer Lesson Book (2004)

Activity		Written instruction		Signs/notes written on music		Question	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
				Hands play alternatively	35		
				Hands play alternatively	36		
				Hands play alternatively	37		
				Hands play alternatively	38		
				Hands play alternatively, Five finger position (C position)	39		
				Hands play alternatively	40		
				Hands play alternatively, Slur	41		
				Hands play alternatively	42		
				Hands play alternatively, Slur, Dynamics (f, p)	43		
				Hands play alternatively, Slur, Dynamics (f)	44		
				Hands play alternatively	45		
				Hands play alternatively, Slur, Dynamics (f)	46		
				Hands play alternatively, Slur, Dynamics (f), Hands play together	47		
				Hands play alternatively, Slur, Dynamics (f), Hands play together	48		
				Hands play alternatively, Slur, Dynamics (f, p), Hands play together, 3 notes together	49		
				Hands play alternatively, Slur, Dynamics (f, p), Hands play together, 3 notes together	50		
				Hands play alternatively, Slur, Dynamics (f), Hands play together	51		

Piano Town Method Primer Lesson Book (2004)

	Activity		Written instruction		Signs/notes written on music		Question	
	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
					Hands play alternatively, Slur, Dynamics (p), Hands play together	52		
					Hands play alternatively, Slur, Dynamics (f)	53		
					Hands play alternatively, Slur, Dynamics (f)	54		
					Hands play alternatively, Slur, Dynamics (f)	55		
					Hands play alternatively, Slur, Dynamics (p)	56		
					Hands play alternatively, Slur, Dynamics (f), Hands play together, 3 notes together, Staccato	57		
					Hands play together, Dynamics (p), Staccato, Slur	58		
					Hands play alternatively, Slur, Dynamics (p), Hands play together, Staccato	59		
					Hands play alternatively, Slur, Dynamics (f), Hands play together, 3 notes together, Staccato	60		
					Hands play alternatively, Slur, Dynamics (f), Hands play together, 3 notes together, Staccato	61		
No. of page		6		1		50		5
Percent of total pages (58)		10%		2%		86%		9%

Piano Town Method Primer Technic Book (2004)			
Activity		Signs/notes written on music	
Technique elements	Page no.	Technique elements	Page no.
Move freely	26	Hands play alternatively	3
		Hands play alternatively	4
		Hands play alternatively	5
		Hands play alternatively	6
		Hands play alternatively, Five finger position (C major)	7
		Hands play alternatively, Five finger position (C major)	8
		Hands play alternatively, Five finger position (C major)	9
		Hands play alternatively	10
		Hands play alternatively	11
		Hands play alternatively	12
		Hands play alternatively	13
		Hands play alternatively	14
		Hands play alternatively	15
		Hands play alternatively	16
		Five finger position (C major)	17
		Hands play alternatively	18
		Hands play alternatively, Slur	19
		Hands play together, Contrary Motion	20
		Hands play together Dynamics (f, p)	21
		Hands play together Dynamics (f), Parellel Motion	22
		Hands play together Dynamics (f, p), Parellel Motion, Slur	23
		Hands play together Dynamics (f, p), Slur	24
		Hands play alternatively, Dynamics (f)	25
		Hands play alternatively, Dynamics (f, p), Hands play together, 3 notes together, Slur	26
		Hands play together, Parellel Motion, Dynamics (p)	27
		Hands play together Dynamics (p), Parellel Motion	28
		Hands play alternatively, Hands play together, 2 notes together, Parellel Motion, Five finger position (G major)	29
		Hands play together, Parellel motion, 2 notes together	30
		Hands play alternatively, Hands play together, 3 notes together, Parellel Motion, Slur, Dynamics (f)	31
		Hands play together, Parellel Motion, Dynamics (p, f)	32
No. of page	1		30
Percent of total pages (31)	3%		97%

The Music Tree Time to Begin Lesson (2006)

Activity		Written instruction		Signs/notes written on music		Use of picture		Question		Bobo		Chip	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
Move freely	5	Arm swing	12	Hands play alternatively	5	Fingering	36	Mind involvement (which hand to play)	10	Listening skill (give direction what to listen)	5	Mind involvement (think the sound of piece)	8
Move freely	6	Arm swing	17	Hands play alternatively	6	Fingering	43	Mind involvement, Hand to be used, sound	14	Listening skill	6	Move freely	31
Move freely	7	Arm swing	20	Hands play alternatively	7	Fingering	47	Mind involvement, Dynamic	15	Listening skill	7		
Move freely	8	Dynamics (p) (instruct to think the sound)	27	Hands play alternatively	8	Fingering	48	Mind involvement, Fingering, dynamic, hand	16	Listening skill	8		
Move freely	9	Arm swing	32	Hands play alternatively	9	Fingering	49	Listening skill, Mind involvement	17	Listening skill	9		
Move freely	10	Listening skill	35	Hands play alternatively	10	Fingering	54	Listening skill, Mind involvement, Dynamic (p).	18	Listening skill	10		
Move freely	11	Slur (play notes under slur smoothly)	41	Hands play alternatively	11	Fingering	55	Dynamic (f, p), Mind involvement,	19	Listening skill	11		
Move freely	13	Slur	42	Hand play alternatively	14	Fingering	56	Mind involvement, Legato, fingering, dynamic	23	Listening skill	14		
Move freely	14	Arm swing	44	Hand play alternatively	15	Fingering	59	Mind involvement, Dynamic, mood of music	24	Listening skill	15		
Move freely	15	Arm swing	47	Hand play alternatively, Dynamics (f)	16	Fingering	61	Slur (smooth sound), Mind involvement, fingering, dynamic, movement,	27	Listening skill	16		
Move freely, Fingering (to no. the finger),	16	Arm swing	51	Hand play alternatively, Dynamics (f)	17	Fingering	63	Mind involvement, fingering, dynamic, smooth sound, Slur	28	Listening skill	19		
Move freely	17	Listening skill	53	Hand play alternatively	18	Fingering	69	Mind involvement, dynamic, speed of music, listening skill	29	Dynamic (f)	24		
Move freely	18	Arm swing	57	Hand play alternatively	19	Slur	70	Mind involvement, use of hand, movement,	32	Listening skill (smooth sound, dynamic)	27		
Move freely	19	Arm swing	58	Hand play alternatively	24	Slur	71	Mind involvement, legato sound	41	Listening skill,	28		
Dynamics (f, p), Move freely	21			Hand play alternatively, Dynamics (f)	25			Mind involvement	42	Arm swing	30		
Move freely	24			Hand play alternatively, Dynamics (f)	26			Mind involvement	47	Listening skill (note sound value)	32		
Move freely	25			Hand play alternatively, Dynamics (p), Slur	27			Mind involvement	49	Listening skill (note sound value)	33		
Fingering (say finger no)	27			Hand play alternatively, Slur, Dynamics (p).	28					Listening skill (sound of lower octave)	34		
Fingering (say finger no)	28			Hand play alternatively, Dynamics (f), Slur,	29					Fingering	35		
Fingering (say finger no), Move freely,	29			Hand play alternatively, Slur	30					Dynamic (f), Listening skill, Mind involvement	36		
Move freely,	30			Hand play alternatively, Dynamics (f)	32					Listening skill	39		
Move freely	32			Hand play alternatively, Dynamics (f, p) Slur	33					Listening skill	40		
Move freely	33			Hand play alternatively, Dynamics (f)	34					Listening skill	41		
Move freely	34			Hand play alternatively, Dynamics (f)	35					Listening skill	43		
Fingering (find the fingering)	36			Hand play alternatively, Dynamics (f)	36					Listening, Slur (smooth sound),	49		
Move freely	37			Slur	37					Listening skill	59		
Move freely	38			Hands play alternatively, Hands play together, Dynamics (p)	39					Listening skill	60		
Hand play together (circle the notes), Move freely	39			Hands play alternatively, Hands play together, Dynamics (f)	40					Listening skill	61		
Move freely	40			Hand play alternatively	41					Listening skill	63		

The Music Tree Time to Begin Lesson (2006)

Activity		Written instruction		Signs/notes written on music		Use of picture		Question		Bobo		Chip	
Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.	Technique elements	Page no.
Fingering (sing finger no), move freely	41			Hand play alternatively, Dynamics (f), Slur	42								
Fingering (say finger no)	42			Hand play alternatively, Dynamics (f)	43								
Move freely, Fingering (to no. the finger).	43			RH only, LH only	44								
Move freely	44			Hand play alternatively, Slur, Dynamics (p, f)	46								
Move freely, Fingering	45			Hand play alternatively, Dynamics (f), Slur	47								
Fingering (to number the finger)	48			Hand play alternatively, Slur, Dynamics (f)	48								
Fingering, move freely	49			Hand play alternatively, Slur, Dynamics (p).	49								
Move freely	50			Hands play alternatively, Hands play together, Dynamics (f, p)	50								
Move freely	51			RH only, LH only	51								
Fingering	54			Hands play alternatively, Hands play together, Dynamics (f, p)	53								
Fingering	55			Hand play alternatively, Slur, Dynamics (f)	54								
Fingering	56			Hand play alternatively, Slur, Dynamics (p).	55								
Move freely	57			Hand play alternatively, Slur, Dynamics (f)	56								
Fingering	58			RH only, LH only, Slur	57								
Move freely	59			Hand play alternatively, Slur, Dynamics (p).	59								
Fingering	61			Hands play alternatively, Hands play together, Dynamics (f)	60								
Move freely	62			Hand play alternatively, Dynamics (f)	61								
Fingering, move freely	63			Hand play alternatively, Slur, Dynamics (p).	62								
Move freely	64			Hand play alternatively, Dynamics (f)	63								
Fingering	69			RH only, LH only, Slur	64								
Move freely	72			Hand play alternatively, Dynamics (f)	66								
				Hand play alternatively, Dynamics (f)	67								
				Hand play alternatively, Dynamics (f, p)	68								
				Hand play alternatively, Dynamics (f, p) Slur	69								
				Hand play alternatively, Dynamics (f, p) Slur	70								
				Hand play alternatively, Dynamics (f, p) Slur	71								
				RH only, LH only, Slur	72								
No. of page	50		14		56		14		17		29		2
Percent of total pages (69)	72%		20%		81%		20%		25%		42%		3%

Appendix I: Summary of Technique Categories in Method Books

Book title	Alfred's Basic Piano Library Lesson 1A (1981)		Alfred's Premier Piano Course Lesson 1A (2005)		Bastien Piano Basics Primer Lesson (1985)		Celebrate Piano 1A (2003)		Hal Leonard Piano Lesson Book 1 (1996)		Music for Piano Book 1 Revised (2006)		Music Pathways Discoveries Lesson Book A (1983)		Piano Adventure Primer Lesson Book (2011)		Piano Discoveries On-Staff Starter ((2001)	
	Occurrences*	Percentage*	Occurrences	Percentage	Occurrences	Percentage	Occurrences	Percentage	Occurrences	Percentage	Occurrences	Percentage	Occurrences	Percentage	Occurrences	Percentage	Occurrences	Percentage
Relaxation	0	0%	2	1%	0	0%	0	0%	2	3%	0	0%	0	0%	1	1%	1	1%
Mind involvement	2	2%	3	2%	0	0%	2	2%	0	0%	0	0%	3	2%	8	6%	0	0%
Tone quality	1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Listening skill	4	4%	0	0%	0	0%	3	3%	0	0%	0	0%	5	4%	3	2%	0	0%
Sitting posture	4	4%	8	6%	2	3%	0	0%	1	1%	0	0%	0	0%	5	4%	3	4%
Hand position	1	1%	12	9%	2	3%	5	5%	9	13%	0	0%	3	2%	9	7%	4	5%
Use of fingers	0	0%	2	1%	0	0%	0	0%	0	0%	0	0%	0	0%	2	2%	0	0%
Upper/forearm movement	1	1%	2	1%	0	0%	9	8%	1	1%	0	0%	1	1%	3	2%	2	3%
Wrist movement	0	0%	0	0%	1	1%	2	2%	0	0%	8	5%	1	1%	1	1%	0	0%
Finger activity	5	5%	8	6%	9	10%	22	21%	6	8%	18	11%	14	10%	20	16%	1	1%
Lateral movement	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Slur	4	4%	0	0%	1	1%	0	0%	0	0%	2	1%	0	0%	0	0%	0	0%
Staccato	0	0%	0	0%	0	0%	0	0%	0	0%	3	2%	0	0%	0	0%	0	0%
Legato	1	1%	0	0%	2	3%	7	6%	0	0%	0	0%	7	5%	0	0%	0	0%
Dynamic & Tenuto	28	27%	39	28%	14	16%	10	9%	14	20%	36	21%	35	26%	20	16%	31	39%
Phrasing	3	3%	0	0%	7	8%	5	5%	0	0%	13	8%	0	0%	0	0%	0	0%
Scale	8	9%	0	0%	4	5%	0	0%	0	0%	35	21%	0	0%	5	4%	0	0%
Pedalling	0	0%	6	4%	0	0%	0	0%	0	0%	0	0%	1	1%	1	1%	0	0%
Hand coordination	43	41%	57	41%	47	52%	45	41%	38	54%	53	32%	66	49%	48	38%	37	47%
Category of technique concepts not listed in framework																		
Sensation	0	0%	0	0%	1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Broken chord	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Arpeggio	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Total number of occurrences of technique concepts	104		139		90		110		71		168		136		126		79	

*Percent of total number of occurrences of technique concepts

*Occurrences count in pages

Book title	Piano Town Method Primer Lesson Book (2004)		The Music Tree Time to Begin (2003)		Total number of lesson/ integrated core books containing the particular category	Alfred's Basic Piano Library Technique 1A (1981)		Alfred's Premier Piano Course Technique 1A (2005)		Bastien Piano Basics Primer Technic (1985)		Hal Leonard Piano Technique Book 1 (1996)		Music for Piano Finger Builders Book 1 Revised (2007)		Piano Adventure Primer Technique Book (2011)	
	Occurrences	Percentage	Occurrences	Percentage		Occurrences	Percentage	Occurrences	Percentage	Occurrences	Percentage	Occurrences	Percentage	Occurrences	Percentage	Occurrences	Percentage
Relaxation	0	0%	0	0%	4	0	0%	2	1%	0	0%	1	1%	0	0%	1	0.7%
Mind involvement	4	6%	20	12%	6	0	0%	14	8%	0	0%	5	5%	0	0%	14	9%
Tone quality	0	0%	0	0%	1	0	0%	4	2%	0	0%	5	5%	0	0%	0	0%
Listening skill	0	0%	29	17%	5	0	0%	5	3%	0	0%	3	3%	0	0%	4	3%
Sitting posture	3	4%	0	0%	7	0	0%	5	3%	0	0%	0	0%	0	0%	5	3%
Hand position	6	9%	1	1%	10	0	0%	9	5%	2	2%	6	6%	18	9%	14	9%
Use of fingers	1	1%	0	0%	3	0	0%	8	5%	0	0%	1	1%	0	0%	5	3%
Upper/forearm movement	0	0%	6	3%	8	0	0%	19	11%	0	0%	9	9%	5	3%	14	9%
Wrist movement	0	0%	0	0%	5	1	0.9%	3	2%	4	4%	4	4%	10	5%	3	2%
Finger activity	4	6%	11	6%	11	11	10%	20	12%	6	6%	7	7%	9	5%	8	5%
Lateral movement	0	0%	0	0%	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Slur	1	2%	11	6%	5	8	7%	0	0%	11	12%	0	0%	2	1%	0	0%
Staccato	0	0%	0	0%	1	3	3%	0	0%	4	4%	4	4%	4	2%	0	0%
Legato	2	3%	0	0%	5	1	0.9%	0	0%	2	2%	4	4%	2	1%	0	0%
Dynamic & Tenuto	0	0%	24	14%	10	28	25%	28	16%	27	28%	25	24%	21	11%	27	16%
Phrasing	0	0%	0	0%	4	9	8%	0	0%	0	0%	0	0%	0	0%	0	0%
Scale	7	11%	0	0%	5	6	5%	0	0%	3	3%	0	0%	28	14%	2	1%
Pedalling	0	0%	0	0%	3	0	0%	3	2%	0	0%	0	0%	0	0%	6	4%
Hand coordination	34	55%	71	41%	11	47	41%	50	29%	37	39%	29	28%	80	41%	46	30%
Category of technique concepts not listed in framework																	
Sensation	0	0%	0	0%	1	0	0%	1	0.6%	0	0%	1	1%	10	5%	0	0%
Broken chord	0	0%	0	0%	0	0	0%	0	0%	0	0%	0	0%	5	3%	0	0%
Arpeggio	0	0%	0	0%	0	0	0%	0	0%	0	0%	0	0%	2	1%	0	0%
Total number of occurrences of technique concepts	69		173			114		171		96		104		196		149	

*Percent of total number of occurrences of technique concepts

*Occurrences count in pages

Book title	Piano Town Method Primer Technic Book (2004)		Total number of technique books containing the particular category
Category of technique concepts	Occurrences	Percentage	
Relaxation	0	0%	3
Mind involvement	0	0%	3
Tone quality	0	0%	2
Listening skill	0	0%	3
Sitting posture	1	1%	3
Hand position	3	4%	6
Use of fingers	0	0%	3
Upper/forearm movement	1	1%	5
Wrist movement	0	0%	6
Finger activity	6	7%	7
Lateral movement	0	0%	0
Slur	3	4%	4
Staccato	0	0%	4
Legato	2	3%	5
Dynamic & Tenuto	2	3%	7
Phrasing	0	0%	1
Scale	7	10%	5
Pedalling	0	0%	2
Hand coordination	37	54%	7
Category of technique concepts not listed in framework			
Sensation	0	0%	3
Broken chord	0	0%	1
Arpeggio	0	0%	1
Total number of occurrences of technique concepts	83		

*Percent of total number of occurrences of technique concepts

*Occurrences count in pages

Appendix J: Occurrences of Technique Elements and the Percent of Musical and Biomechanical Development

Book title	Alfred's Basic Piano Library Lesson 1A (1981)		Alfred's Premier Piano Course Lesson 1A (2005)		Bastien Piano Basic Prier Lesson (1985)		Celebrate Piano 1A (2003)		Hal Leonard Piano Lesson Book 1 (1996)		Music for Piano Book 1 Revised (2006)	
	Total occurrences (no. of pages) by category		Total occurrences (no. of pages) by category		Total Occurrences (no. of pages) by category		Total occurrences (no. of pages) by category		Total occurrences (no. pages) by category		Total occurrences (no. of pages) by category	
	Musical	Bio-mechanical	Musical	Bio-mechanical	Musical	Bio-mechanical	Musical	Bio-mechanical	Musical	Bio-mechanical	Musical	Bio-mechanical
Relaxation				1						1		
Mind involvement	2	2	3	3			12	12				
Tone quality												
Listening skill	4						7					
<i>Position</i>												
Sitting posture				1								
Distance				1								
Height		1		1								
Sitting area				1								
Sit tall/straight		1		2		1				1		
Feet on floor/stool		1		1		1						
Shoulder free				2								
Hand position				2								
Hand level				2								
Wrist level				2		1				1		
Forearm level				1								
Elbow level				1						1		
Curved finger tips		1				1		7		4		
Arched hand				4								
General				1								
Use of fingers				1								
Finger pad				1								
Thumb				1								
Fifth finger												
<i>Basic Movement</i>												
<i>Upper/forearm</i>												
Arm Weight												
Arm drop								4				
Forearm rotary												
forearm freedom												
finger tip support/strong									7			
<i>Wrist</i>												
Drop												3
Roll												3
Release												
<i>Finger activity</i>												
Lift up height												
Close to keys												
Independence												
Fingering		3		4		4		13		1		6
<i>Lateral movement</i>												
<i>Articulations</i>												
<i>Slur</i>												
2 or more notes slur	3	3									1	1
General	1	1			1	1					1	1
<i>Staccato</i>												
Finger												
Wrist												
Forearm												
General												
<i>Legato</i>												
Rotary												
General	1	1			2	2	16	16				
<i>Dynamics</i>												
Load/soft (weight)	27	27										
Load/Soft (speed)												
Crescendo			3	3							10	10
Decrescendo			3	3							8	8
General			33	33	14	14	27	27	14	14	17	17
<i>Tenuto</i>												
General	3				7	7	22				13	
<i>Scale</i>												
Thumb crossing												
Cluster												
5 fingers pattern		8				4						35
<i>Pedaling</i>												
Hand coordination												
RH only		6		9		7		16		5		9
LH only		6		11		7		14		6		7
Balance	1	1			1	1						
Together		1		2		3	8	8				17
Alternatively		21		24		27		36		19		16
Parallel motion												2
Contrary motion												
Move freely		6		11		2		8		8		2
Not in framework												
Arm hang loosely/Arm relax		1		2						1		
Bench face piano squarely		1										
Tone production		1										
2 notes together		1		4		2		8				1
3 notes together						3		10		5		11
Repeated notes												
Hand relax/hang naturally				1								
Firm 1st joint (knuckle)				1						3		
Finger weight												
Balance weight (arm and finger)												
Rotary (gentle hand rock)												
Feel the weight												
Eyes on Music						1	1					
Lift hand (end of phrases)						1		2	2			
Swing												2
Accent											1	1
Alberti Bass (broken chord)												
Pull up slightly (finger)												
Wrist rotatory motion												
Scale Tetrachords												
Arpeggio (minor)												
Finger relax										1		
Wrist bounce												
Release arm weight												
Wrist loose												
Body: middle of keyboard												
Good sitting posture												
Cluster (Finger activity)												
Finger tip touch on key												
Number of technique elements*	41	94	48	133	26	90	30	102	14	71	54	155
Category as percent of total technique elements	39%	90%	35%	96%	29%	100%	27%	93%	20%	100%	32%	92%
Total no. of technique elements (not including recurrences)	8	21	5	29	6	20	7	15	1	15	8	20
Total number of technique elements	104		139		90		110		71		168	
Total no. of technique elements (not including recurrences)	23		30		20		17		15		20	

*does not count the reoccurrence of the same technique element within the same page

Book title		Music Pathways Discoveries Lesson Book A (1983)		Piano Adventure Primer Lesson Book (2011)		Piano Discoveries On-Staff Starter (2001)		Piano Town Method Primer Lesson Book (2004)		The music Tree Time to Begin (2003)		Alfred's Basic Piano Library Technique 1A (1981)	
Technique elements		Total occurrences (no. of pages) by category		Total occurrences (no. of pages) by category		Total occurrences (no. of pages) by category		Total occurrences (no. of pages) by category		Total occurrences (no. of pages) by category		Total occurrences (no. of pages) by category	
		Musical	Bio-mechanical	Musical	Bio-mechanical	Musical	Bio-mechanical	Musical	Bio-mechanical	Musical	Bio-mechanical	Musical	Bio-mechanical
Relaxation					1		1						
Mind involvement		3	3	8	8			4	4	20	20		
Tone quality													
Listening skill		5		3						29			
Position													
Sitting posture	Distance				1								
	Height				1								
	Sitting area				1	1		1					
	Sit tall/straight				1	1		1					
	Feet on floor/stool					1		1					
	Shoulder free				1								
Hand position	Hand level				1								
	Wrist level					1							
	Forearm level				1	1		1					
	Elbow level							1					
	Curved finger tips				5	2		1		1			
	Arched hand				1								
	General		3		1			1					
Use of fingers	Finger pad												
	Thumb				1			1					
	Fifth finger				1								
Basic Movement													
Upper/forearm	Arm Weight												
	Arm drop												
	Forearm rotary												
	forearm freedom		1										
	finger tip support/strong				3	2							
Wrist	Drop												
	Roll												1
	Release												
Finger activity	Lift up height												
	Close to keys												
	Independence				1								1
	Fingering		1		16	1		4		10			
Lateral movement													
Articulations													
Slur	2 or more notes slur											8	8
	General							3	3	11	11		
Staccato	Finger												
	Wrist												
	Forearm											3	3
	General												
Legato	Rotary												
	General	7	7					2	2			1	1
Dynamics	Loud/soft (weight)												
	Loud/Soft (speed)												
	Crescendo											4	4
	Decrescendo											4	4
	General	35	35	20	20	29	29	2	2	24	24	20	20
Tenuto													
Phrasing	General											9	
Scale	Thumb crossing												
	Cluster												
	5 fingers pattern				5				7				6
Pedaling		1			1								
Hand coordination	RH only		12		7		11		2		1		12
	LH only		12		4		9		2		1		12
	Balance												
	Together		4	3	3				1		3		11
	Alternatively		31		22		15		29		33		10
	Parallel motion												
	Contrary motion												
	Move freely		7		12		2		3		33		2
Not in framework	Arm hang loosely/Arm relax												
	Bench face piano squarely												
	Tone production												
	2 notes together		7		3								8
	3 notes together		1										
	Repeated notes									1		2	2
	Hand relax/hang naturally												
	Firm 1st joint (knuckle)								1				
	Finger weight												
	Balance weight (arm and finger)												
	Rotary (gentle hand rock)												
	Feel the weight												
	Eyes on Music												
	Lift hand (end of phrases)												
	Swing										6		
	Accent					2	2						
	Alberti Bass (broken chord)												
	Pull up slightly (finger)												
	Wrist rotatory motion												
	Scale Tetrachords												
	Arpeggio (minor)												
	Finger relax												
	Wrist bounce												
	Release arm weight												
	Wrist loose		1		1								
	Body: middle of keyboard												
	Good sitting posture												
	Cluster (Finger Activity)		5										
	Finger tip touch on key								1				
Number of technique elements*		51	130	34	123	31	79	11	69	123	125	58	105
Category as percent of total technique elements		38%	96%	27%	98%	39%	100%	16%	100%	79%	80%	51%	92%
Total no. of technique elements (not including recurrences)		5	15	4	27	2	15	3	21	4	12	9	17
Total number of technique elements		136		126		79		69		173		114	
Total no. of technique elements (not including recurrences)		17		28		15		21		13		17	

*does not count the reoccurrence of the same technique element within the same page

Book title	Bastien Piano Basics Primer Technic (1985)		Hal Leonard Piano Technique Book 1 (1996)		Music for Piano Finger Builders Book 1 Revised (2007)		Piano Adventure Primer Technique Book (2011)		Piano Town Method Primer Technique (2004)		No. of lesson/ intergraded core book contain the element (total 11 books)	No. of technique book contain the element (total 7 books)	Total no. of books contain the element	
	Total occurrences (no. of pages) by category		Pages containing technique element		Total occurrences (no. of pages) by category		Total occurrences (no. of pages) by category		Total occurrences (no. of pages) by category					
	Musical	Bio-mechanical	Number of pages	Percent of pages	Musical	Bio-mechanical	Musical	Bio-mechanical	Musical	Bio-mechanical				
Relaxation								1			4	2	6	
Mind involvement			5	17%			14	14			7	4	11	
Tone quality			5	17%							0	2	2	
Listening skill			3	10%			4				5	4	9	
Position											0	0	0	
Sitting posture								1			2	2	4	
	Distance										3	1	4	
	Height										4	1	5	
	Sitting area							1						
	Sit tall/straight							1		1	7	2	9	
	Feet on floor/stool										5	0	5	
	Shoulder free										2	1	3	
Hand position	Hand level										2	1	3	
	Wrist level							1		1	4	2	6	
	Forearm level										4	0	4	
	Elbow level										2	1	3	
	Curved finger tips	2	2	7%	14		4		1	8	6	14		
	Arched hand		1	3%			9			2	3	5		
	General		3	10%						4	2	6		
Use of fingers	Finger pad										1	1	2	
	Thumb		1	3%				5			3	3	6	
	Fifth finger										1	1	2	
Basic Movement														
Upper/forearm	Arm Weight		5	17%				4			0	3	3	
	Arm drop							1			1	1	2	
	Forearm rotary		1	3%							0	1	1	
	forearm freedom		1	3%						1	1	1	1	
	finger tip support/strong						5	9			3	3	6	
Wrist	Drop	1									1	2	3	
	Roll	3						3			1	4	5	
	Release										0	0	0	
Finger activity	Lift up height										0	0	0	
	Close to keys		3	10%		1					0	3	3	
	Independence										1	2	3	
	Fingering							2			11	2	13	
Lateral movement											0	0	0	
Articulations														
Slur	2 or more notes slur	1	1								2	2	4	
	General	10	10			2	2		6	6	5	3	8	
Staccato	Finger										0	0	0	
	Wrist										1	0	1	
	Forearm										0	0	0	
	General	4	4	4	13%	4	4		1	1	0	4	4	
Legato	Rotary										0	0	0	
	General	2	2	4	13%	2	2				5	4	9	
Dynamics	Loud/soft (weight)			25	83%						1	1	2	
	Loud/Soft (speed)										0	0	0	
	Crescendo					7	7				2	2	4	
	Decrescendo					7	7				2	2	4	
	General	27	27			7	7	27	27	11	11	10	6	16
Tenuto											0	0	0	
Phrasing	General										4	1	5	
Scale	Thumb crossing										0	0	0	
	Cluster										0	0	0	
	5 fingers pattern	3				24		2		7	5	4	9	
Pedaling								6			3	2	5	
Hand coordination	RH only	1	5	17%		12		6			11	7	18	
	LH only	1	5	17%		12		6			11	7	18	
	Balance		1	3%	3	3	2	2			2	4	6	
	Together	17				22		4		12	9	6	15	
	Alternatively	17	18	60%		7		14		22	11	7	18	
	Parallel motion					19				9	1	1	2	
	Contrary motion					3				2	0	1	1	
	Move freely	1				2				14	11	6	17	
Not in framework	Arm hang loosely/Arm relax			1							3	2	5	
	Bench face piano squarely										1	0	1	
	Tone production										1	0	1	
	2 notes together	4		1				4		3	7	5	12	
	3 notes together	2		3				2		3	5	5	10	
	Repeated notes										1	2	3	
	Hand relax/hang naturally			1							1	1	2	
	Firm 1st joint (knuckle)					4				1	3	1	4	
	Finger weight										0	1	1	
	Balance weight (arm and finger)										0	1	1	
	Rotary (gentle hand rock)										0	1	1	
	Feel the weight			1		10					0	3	3	
	Eyes on Music										0	1	1	
	Lift hand (end of phrases)										0	2	2	
	Swing										2	1	3	
	Accent										2	0	2	
	Alberti Bass (broken chord)					5					0	1	1	
	Pull up slightly (finger)					6					0	1	1	
	Wrist rotatory motion					6					0	1	1	
	Scale Tetrachords					4					0	1	1	
	Arpeggio (minor)					2					0	1	1	
	Finger relax										1	0	1	
	Wrist bounce			4							0	1	1	
	Release arm weight			1							0	1	1	
	Wrist loose										2	0	2	
	Body: middle of keyboard							1			0	1	1	
	Good sitting posture							1			0	1	1	
	Cluster (Finger Activity)										1	0	1	
	Finger tip touch on key										0	1	1	
Number of technique elements*	44	96	47	96	32	196	47	145	18	83				
Category as percent of total technique elements	46%	100%	45%	92%	16%	100%	32%	97%	22%	100%				
Total no. of technique elements (not including recurrences)	5	16	7	23	7	28	4	27	3	16				
Total number of technique elements	96		104		196		149		83					
Total no. of technique elements (not including recurrences)	16		25		28		28		16					

*does not count the reoccurrence of the same technique element within the same page

Appendix K: Occurrence of Technique Elements and Average Number of Pages of Technique Elements

Book title	Alfred's Basic Piano Library Lesson 1A (1981)		Alfred's Premier Piano Course Lesson 1A (2005)		Bastien Piano Basic Primer Lesson (1985)		Celebrate Piano 1A (2003)		Hal Leonard Piano Lesson Book 1 (1996)		Music for Piano Book 1 Revised (2006)		Music Pathways Discoveries Lesson Book A (1983)	
	Pages containing technique element		Pages containing technique element		Pages containing technique element		Pages containing technique element		Pages containing technique element		Pages containing technique element		Pages containing technique element	
	Number of pages	Percent of pages	Number of pages	Percent of pages	Number of pages	Percent of pages	Number of pages	Percent of pages	Number of pages	Percent of pages	Number of pages	Percent of pages	Number of pages	Percent of pages
Relaxation			1	3%					1	1%				
Mind involvement	2	5%	3	8%				2	2%				3	2%
Tone quality														
Listening skill	4	10%						3	3%				5	4%
<i>Position</i>														
Sitting posture														
Distance			1	3%										
Height	1	3%	1	3%										
Sitting area			1	3%										
Sit tall/straight	1	3%	2	5%	1	3%			1	1%				
Feet on floor/stool	1	3%	1	3%	1	3%								
Shoulder free			2	5%										
Hand position			2	5%										
Wrist level			2	5%	1	3%			1	1%				
Forearm level			1	3%										
Elbow level			1	3%					1	1%				
Curved finger tips	1	38%			1	3%	5	5%	4	6%				
Arched hand			4	10%										
General			1	3%									3	2%
Use of fingers			1	3%										
Finger pad			1	3%										
Thumb			1	3%										
Fifth finger														
<i>Basic Movement</i>														
<i>Upper/forearm</i>														
Arm Weight														
Arm drop							4	4%						
Forearm rotary														
forearm freedom													1	1%
finger tip support/strong							5	5%						
Wrist												3	2%	
Drop												3	2%	
Roll														
Release														
Finger activity														
Lift up height														
Close to keys														
Independence														
Fingering	3	8%	4	10%	4	10%	4	4%	1	1%	6	4%	1	1%
Lateral movement														
<i>Articulations</i>														
Slur													1	1%
2 or more notes slur	3	8%											1	1%
General	1	3%			1	3%								
Staccato														
Finger														
Wrist												3	2%	
Forearm														
General														
Legato														
Rotary														
General	1	3%			2	5%	7	6%					7	5%
Dynamics														
Loud/soft (weight)	27	68%												
Loud/Soft (speed)														
Crescendo			3	8%								10	6%	
Decrescendo			3	8%								8	5%	
General			33	83%	14	35%	10	9%	14	20%	17	10%	35	26%
Tenuto														
General	3	8%			7	18%	5	5%				13	8%	
Phrasing														
Scale														
Thumb crossing														
Cluster/smash														
5 fingers pattern	8	20%			4	10%						35	21%	
Pedaling			6	15%									1	1%
Hand coordination														
RH only	6	15%	9	23%	7	18%	10	9%	5	7%	9	6%	12	9%
LH only	6	15%	11	28%	7	18%	9	8%	6	8%	7	4%	12	9%
Balance	1	3%	1	3%										
Together	1	3%	2	5%	3	8%	1	1%			17	10%	4	3%
Alternatively	23	58%	24	60%	27	68%	17	15%	19	27%	16	10%	31	23%
Parallel motion												2	1%	
Contrary motion														
Move freely	6	15%	11	28%	2	5%	8	7%	8	11%	2	1%	7	5%
Not in framework														
Arm hang loosely/Arm relax	1	3%	2	9%					1	1%				
Bench face piano squarely	1	3%												
Tone production	1	3%												
2 notes together	2	5%	4	10%	2	5%	8	7%			1	1%	7	5%
3 notes together					3	8%	10	9%	5	7%	11	7%	1	1%
Repeated notes														
Hand relax/hang naturally			1	3%										
Firm 1st joint (knuckle)			1	3%					3	4%				
Finger weight														
Balance weight (arm and finger)														
Rotary (gentle hand rock)														
Feel the weight														
Eyes on Music					1	3%								
Lift hand (end of phrases)					1	3%	2	2%						
Swing												2	1%	
Accent												2	1%	
Alberti Bass (broken chord)														
Pull up slightly (finger)														
Wrist rotatory motion														
Scale Tetrachords														
Arpeggio (minor)														
Finger relax									1	1%				
Wrist bounce														
Release arm weight														
Wrist loose														
Body: middle of keyboard													1	1%
Good sitting posture														
Cluster													5	4%
Finger tip touch on key														
Total number of technique elements*	104		139		90		110		71		168		136	
Category as percent of total technique elements														
Total no. of technique elements (not including reoccurrences)	23		30		20		17		15		21		17	

*does not count the reoccurrence of the same technique element within the same page

Book title	Piano Adventure Primer Lesson Book (2011)		Piano Discoveries On-Staff Starter (2001)		Piano Town Method Primer Lesson Book (2004)		The music Tree Time to Begin (2003)		Alfred's Basic Piano Library Technique 1A (1981)		Alfred's Premier Piano Course Technique 1A (2005)		Bastien Piano Basics Primer Technic (1985)	
Technique elements	Pages containing technique element		Pages containing technique element		Pages containing technique element		Pages containing technique element		Pages containing technique element		Pages containing technique element		Pages containing technique element	
	Number of pages	Percent of pages	Number of pages	Percent of pages	Number of pages	Percent of pages	Number of pages	Percent of pages	Number of pages	Percent of pages	Number of pages	Percent of pages	Number of pages	Percent of pages
Relaxation	1	1%	1	1%							2	7%		
Mind involvement	8	7%			4	6%	20	12%			14	48%		
Tone quality											4	14%		
Listening skill	3	3%					29	17%			5	17%		
<i>Postition</i>														
Sitting posture														
Distance	1	1%									1	3%		
Height	1	1%									1	3%		
Sitting area	1	1%	1	1%	1	1%								
Sit tall/straight	1	1%	1	1%	1	1%					1	3%		
Feet on floor/stool			1	1%	1	1%								
Shoulder free	1	1%									2	7%		
Hand position														
Hand level	1	1%												
Wrist level			1	1%							1	3%		
Forearm level	1	1%	1	3%	1	1%								
Elbow level					1	1%								
Curved finger tips	5	4%	2	3%	1	1%	1	1%			1	3%	2	7%
Arched hand	1	1%									6	21%		
General	1	1%			1	1%					1	3%		
Use of fingers														
Finger pad											2	7%		
Thumb	1	1%			1	1%					3	10%		
Fifth finger	1	1%									3	10%		
<i>Basic Movement</i>														
Upper/forearm														
Arm Weight											8	28%		
Arm drop														
Forearm rotary forearm freedom														
finger tip support/strong	3	3%	2	3%							8	28%		
Wrist														
Drop													1	3%
Roll									1	5%			3	10%
Release														
Finger activity														
Lift up height														
Close to keys											4	14%		
Independence	1	1%							1	5%	5	17%		
Fingering	16	11%	1	1%	4	6%	10	6%						
<i>Lateral movement</i>														
<i>Articulations</i>														
Slur														
2 or more notes slur											8	36%	1	3%
General					3	4%	11	6%					10	33%
Staccato														
Finger														
Wrist														
Forearm														
General										3	14%		4	13%
Legato														
Rotary														
General					2	3%			1	5%			2	7%
Dynamics														
Loud/soft (weight)														
Loud/Soft (speed)														
Crescendo										4	18%			
Decrescendo										4	18%			
General	20	15%	29	37%	2	3%	24	14%	20	91%	28	97%	27	90%
Tenuto														
Phrasing											9	41%		
General														
Scale														
Thumb crossing														
Cluster/smash														
5 fingers pattern	5	3%			7	10%			6	27%			3	10%
Pedaling	1	1%									3	10%		
Hand coordination														
RH only	7	4%	11	14%	2	3%	1	1%	12	55%	9	31%	1	3%
LH only	4	3%	9	11%	2	3%	1	1%	12	55%	8	28%	1	3%
Balance											4	14%		
Together	3	3%			1	1%	3	2%	11	50%	1	3%	17	57%
Alternatively	22	19%	15	19%	29	42%	33	19%	10	45%	16	55%	17	57%
Parallel motion														
Contrary motion														
Move freely	12	10%	2	3%	3	4%	33	19%	2	9%	12	41%	1	3%
Not in framework														
Arm hang loosely/Arm relax											2	7%		
Bench face piano squarely														
Tone production														
2 notes together	3	3%							8	36%	3	10%	4	13%
3 notes together											3	10%	2	7%
Repeated notes							1	1%	2	9%				
Hand relax/hang naturally														
Firm 1st joint (knuckle)					1	1%								
Finger weight											5	17%		
Balance weight (arm and finger)											1	3%		
Rotary (gentle hand rock)											3	10%		
Feel the weight											1	3%		
Eyes on Music														
Lift hand (end of phrases)														
Swing							6	3%						
Accent					2	3%								
Alberti Bass (broken chord)														
Pull up slightly (finger)														
Wrist rotatory motion														
Scale Tetrachords														
Arpeggio (minor)														
Finger relax														
Wrist bounce														
Release arm weight														
Wrist loose	1	1%												
Body: middle of keyboard														
Good sitting posture														
Cluster														
Finger tip touch on key					1	1%								
Total number of technique elements*	126		79		69		173		114		171		96	
Category as percent of total technique elements														
Total no. of technique elements (not including reoccurrences)	28		15		21		13		17		34		16	

*does not count the reoccurrence of the same technique element within the same page

Book title	Hal Leonard Piano Technique Book 1 (1996)		Music for Piano Finger Builders Book 1 Revised (2007)		Piano Adventure Primer Technique Book (2011)		Piano Town Method Primer Technique (2004)		No. of lesson/intergared core book contain the particular element (total 11 books)	No. of technique book contain the particular element (total 7 books)	Total no. of books contain the particular element	Total no. of page contain the particular element	Average No. of Pages of Particular Element Method Books Contained
	Pages containing technique element		Pages containing technique element		Pages containing technique element		Pages containing technique element						
	Number of pages	Percent of pages	Number of pages	Percent of pages	Number of pages	Percent of pages	Number of pages	Percent of pages					
Relaxation					1	3%			4	2	6	7	1.2
Mind involvement	5	17%			14	48%			7	3	10	75	7.5
Tone quality	5	17%							0	2	2	9	4.5
Listening skill	3	10%			4	14%			5	3	8	56	7
Position									0	0	0	0	0
Sitting posture													
Distance					1	3%			2	2	4	4	1
Height									3	1	4	4	1
Sitting area					1	3%			4	1	5	5	1
Sit tall/straight					1	3%	1	3%	7	3	10	11	1.1
Feet on floor/stool									5	0	5	5	1
Shoulder free									2	1	3	5	1.7
Hand position									2	0	2	3	1.5
Hand level									4	3	7	8	1.1
Wrist level					1	3%	1	3%	4	3	7	8	1.1
Forearm level									4	0	4	4	1
Elbow level									3	0	3	3	1
Curved finger tips	2	7%	14	7%	4	14%	1	3%	8	6	14	44	3.1
Arched hand	1	3%			9	31%			2	3	5	21	4.2
General	3	10%							4	2	6	10	1.7
Use of fingers									1	1	2	3	1.5
Finger pad									3	3	6	12	2
Thumb	1	3%			5	17%			1	1	2	4	2
Fifth finger													
Basic Movement													
Upper/forearm													
Arm Weight	5	17%			4	14%			0	3	3	17	5.7
Arm drop					1	3%			1	1	2	5	2.5
Forearm rotary	1	3%							0	1	1	1	1
forearm freedom	1	3%					1	3%	1	2	3	3	1
finger tip support/strong			5	3%	9	31%			3	3	6	32	5.3
Wrist									1	2	3	6	2
Drop			2	1%					1	4	5	12	2.4
Roll			2	1%	3	10%			0	0	0	0	0
Release									0	0	0	0	0
Finger activity									0	0	0	0	0
Lift up height									0	3	3	8	2.7
Close to keys	3	10%	1	1%					1	2	3	7	2.3
Independence									11	1	12	56	4.7
Fingering					2	7%			0	0	0	0	0
Lateral movement									0	0	0	0	0
Articulations									0	0	0	0	0
Shur									2	2	4	13	3.3
2 or more notes slur									5	3	8	35	4.4
General			2	1%			6	19%	0	0	0	0	0
Staccato									1	0	1	3	3
Finger									0	0	0	0	0
Wrist									0	0	0	0	0
Forearm									0	0	0	0	0
General	4	13%	4	2%			1	3%	0	5	5	16	6.4
Legato									0	0	0	0	0
Rotary									5	4	9	28	3.1
General	4	13%	2	1%					1	1	2	52	26
Dynamics									0	0	0	0	0
Loud/soft (weight)	25	83%							2	2	4	22	5.5
Loud/Soft (speed)									10	6	16	318	19.9
Crescendo			7	4%					0	0	0	0	0
Decrescendo			7	4%					0	0	0	0	0
General			7	4%	27	93%	11	35%	0	0	0	0	0
Tenuto									4	1	5	37	7.4
Phrasing									0	0	0	0	0
General									0	0	0	0	0
Scale									0	0	0	0	0
Thumb crossing									5	5	9	101	11.2
Cluster/smash									0	0	0	0	0
5 fingers pattern			24	13%	2	7%	7	23%	0	0	0	0	0
Pedaling					6	21%			3	2	5	18	3.6
Hand coordination									11	6	17	124	7.3
RH only	5	17%	12	6%	6	21%			11	6	18	118	6.6
LH only	5	17%	12	6%	6	21%			2	4	6	12	2
Balance	1	3%	3	2%	2	7%			9	6	15	102	6.2
Together			22	11%	4	14%	12	39%	11	7	18	360	20
Alternatively	18	60%	7	4%	14	48%	22	71%	1	2	3	30	10
Parallel motion			19	10%			9	29%	0	2	2	5	2.5
Contrary motion			3	2%			2	6%	11	6	17	127	7.5
Move freely			2	1%	14	48%	2	6%	3	2	5	7	1.4
Not in framework									1	0	1	1	1
Arm hang loosely/Arm relax	1	3%							1	0	1	1	1
Bench face piano squarely									1	0	1	1	1
Tone production									7	6	13	50	3.8
2 notes together	1	3%			4	14%	3	10%	5	6	11	45	4.1
3 notes together	3	10%	2	1%	2	7%	3	10%	1	1	2	3	1.5
Repeated notes									1	1	2	2	1
Hand relax/hang naturally	1	3%							3	2	5	10	2
Firm 1st joint (knuckle)			4	2%			1	3%	0	1	1	5	5
Finger weight									0	1	1	1	1
Balance weight (arm and finger)									0	1	1	3	3
Rotary (gentle hand rock)									0	3	3	12	4
Feel the weight	1	3%	10	5%					0	1	1	1	1
Eyes on Music									2	0	2	3	1.5
Lift hand (end of phrases)									2	0	2	8	4
Swing									2	0	2	4	2
Accent									0	1	1	5	5
Alberti Bass (broken chord)			5	3%					0	1	1	6	6
Pull up slightly (finger)			6	3%					0	1	1	6	6
Wrist rotatory motion			6	3%					0	1	1	4	4
Scale Tetrachords			4	2%					0	1	1	2	2
Arpeggio (minor)			2	1%					1	0	1	1	1
Finger relax									0	1	1	4	4
Wrist bounce	4	13%							0	1	1	1	1
Release arm weight	1	3%							2	0	2	2	1
Wrist loose									0	1	1	1	1
Body: middle of keyboard					1	3%			0	1	1	1	1
Good sitting posture					1	3%			0	1	1	1	1
Cluster									1	0	1	5	5
Finger tip touch on key									0	1	1	1	1
Total number of technique elements*	104		198		149		83						
Category as percent of total technique elements													
Total no. of technique elements (not including reoccurrences)	25		28		28		16						

*does not count the reoccurrence of the same technique element within the same page

Appendix L: Average Rate of Musical and Biomechanical Development

	Book Title	Total number of technique elements occurrences	Percentage of musical developed	Percentage of biomechanical developed
Lesson/Integaraged Core Books	Alfred's Basic Piano Libaray Lesson Level 1A (1981)	104	39	90
	Alfred's Premier Piano Course Lesson 1A (2005)	139	35	96
	Bastien Piano Basics Piano Primer Level (1985)	90	29	100
	Celebrate Piano! (2003)	110	27	93
	Hal Leonard Piano Lesson Book 1 (1996)	71	20	100
	Music for piano Book 1 Revised (2006)	168	32	92
	Music Pathways Discoveries Lesson Book A (1983)	136	38	96
	Piano Adventure PrimerLesson Book (2011)	127	27	98
	Piano Discoveries On-Staff Starter (2001)	79	39	100
	Piano Town Method Primer Lesson Book (2004)	69	16	100
	The Music Tree Time to Begin (2006)	173	79	80
	Average of percentage of eleven lesson/integrated core books		35	95
	Technique Books	Alfred's Basic Piano Library Technique 1A (1981)	114	51
Alfred's Premier Piano Course Technique 1A (2005)		171	32	92
Bastien Piano Basics Primer Technic (1985)		96	46	100
Hal Leonard Piano Technique Book 1 (1996)		104	45	92
Music for Piano Finger Builder Book 1 Revised (2007)		196	16	100
Piano Adventure Primer Technique book (2011)		149	32	97
Piano Town Method Primer Technic Book (2004)		83	22	100
Average of percentage of Seven echnique books			35	95

Appendix M: Average Percent of Types of Presentation of New Technique Elements

	Book Title	Total no. of page of new technique elements	Percentage of technique elements introduced by explanation in words	Percentage of technique elements introduced by analogy	Percentage of technique elements introduced by cartoon drawing	Percentage of technique elements introduced by method of "other"
Lesson and integrated core books	Alfred's Basic Piano Library Lesson Level 1A (1981)	11	55	18	36	55
	Alfred's Premier Piano Course Lesson 1A (2005)	13	38	15	38	85
	Bastien Piano Basics Piano Primer Level (1985)	10	50	10	30	70
	Celebrate Piano! (2003)	9	22	11	33	67
	Hal Leonard Piano Lesson Book 1 (1996)	8	75	0	75	50
	Music for piano Book 1 Revised (2006)	20	25	5	35	60
	Music Pathways Discoveries Lesson Book A (1983)	9	67	0	56	67
	Piano Adventure Primer Lesson Book (2011)	13	62	15	38	62
	Piano Discoveries On-Staff Starter (2001)	12	83	0	8	25
	Piano Town Method Primer Lesson Book (2004)	10	0	0	43	71
	The Music Tree Time to Begin (2006)	10	90	0	20	30
	Average Percentage with the particular type of presentation		56.7	12.3	37.5	59.3
Technique Books	Alfred's Basic Piano Library Technique 1A (1981)	10	10	0	20	100
	Alfred's Premier Piano Course Technique 1A (2005)	12	75	17	75	42
	Bastien Piano Basics Primer Technic (1985)	9	33	0	22	67
	Hal Leonard Piano Technique Book 1 (1996)	6	100	100	17	17
	Music for Piano Finger Builders Book 1 Revised (2007)	14	71	0	0	57
	Piano Adventure Primer Technique book (2011)	10	70	20	10	60
	Piano Town Method Primer Technic Book (2004)	10	0	0	20	90
	Average Percentage among the technique books		59.8	45.7	27.3	39.4

Appendix N: Average Page of Occurrences of the Technic Elements the Method Books Contained

1 page		1.1 to 2 pages			2.1 to 5 pages		
Technique category	Technique element	Technique category	Technique element	No of pages	Technique category	Technique element	No. of pages
Technique elements listed in framework							
Sitting posture	Distance	Sitting Posture	Sit tall/straight	1.1	Finger activity	Independence	2.3
	Height		Shoulder free	1.7		Close to keys	2.7
	Sitting area	Relaxation	Relaxation	1.2	Wrist	Roll	2.4
	Feet on floor/stool	Hand position	Wrist level	1.2	Upper/forearm	Arm drop	2.5
Hand Position	Hand level		General	1.7	Staccato	Wrist	3
	Forearm level	Use of finger	Finger pad	1.5		General	3.8
	Elbow level		Thumb	2	Hand coordination	Contrary motion	3
Upper/forearm	Forearm rotary	Wrist	Fifth finger	2	Hand Position	Arched hand	2.4
	Forearm freedom		Drop	2	Legato	General	3.1
		Hand coordination	Balance	2	Hand position	Curved finger tips	3.1
					Slur	2 or more notes slur	3.3
						General	5
					Pedaling	Pedaling	3.6
					Tone quality	Tone quality	4.5
Technique elements not listed in framework							
Sitting posture	Bench face piano squarely	Upper/forearm	Arm hang loosely/Arm relax	1.4	Hand Position	Firm 1st joint (knuckle)	2.3
	Body: middle of keyboard	Finger activity	Repeated notes	1.3	Finger activity	2 notes together	3.9
	Good sitting posture	Wrist	Lift hand (end of phrase)	1.5		3 notes together	4.2
Tone quality	Tone production	Dynamic	Accent	2		Finger weight	5
Relaxation	Hand relax/hang naturally	Arpeggio	Minor arpeggio	2		Cluster	5
	Finger relax				Sensation	Feel the weight	4
Upper/forearm	Balance weight (arm & finger)				Scale	Tetrachords	4
Sensation	Eyes on Music				Wrist	Bounce	4
Wrist	Wrist loose					Swing	4.7
Hand Position	Finger tip touch on key				Broken chord	Alberti bass	5

5.1 to 10 pages			10.1-15 pages			15.1 or more		
Technique category	Technique element	No. of pages	Technique category	Technique element	No. of pages	Technique category	Technique element	No. of pages
Finger activity	Fingering	5.1	Scale	5 fingers pattern	10.4	Hand coordination	Alternatively	20.6
Upper/forearm	Finger tip support/strong	5.3		Parallel motion	10.5	Dynamic	General	20.7
	Arm weight	5.7			Loud/soft		26	
Dynamics	Decrescendo	5.5						
Hand coordination	Hands together	6.2						
	LH only	6.6						
	RH only	6.9						
	Move freely	9.3						
Phrasing	General	7.4						
Mind Involvement	Mind involvement	8.6						
Listening skill	Listening skill	9.4						
Finger Activity	Pull up slight (finger)	6						
Wrist	Wrist rotary motion	6						