

Research on Modern Innovation of the Development of Youth Piano Teaching

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Abstract: This study focuses on the innovation of adolescent piano teaching and aims to explore and study the theories and methods of piano education for teenagers. The article first analyzes music education, especially the importance of piano education, then, the research puts forward the main research problems, including how to design the piano teaching course, how to choose and use effective teaching methods, how to improve the teachers' teaching level, how to use and integrate teaching resources, and how to build and perfect the evaluation system of youth piano education. This study is mainly based on music education theory, youth development theory, piano education theory, etc. Through the analysis and interpretation of these theories and concepts, it is expected to provide a deep understanding of piano education and provide theoretical support for subsequent empirical research. The results of this study provide valuable theoretical and practical references for adolescent piano education and have important theoretical and practical significance for improving the quality and effect of piano education.

1. Introduction

First of all, the primary importance of music education is that it can effectively improve children's aesthetic ability. The improvement of this ability is not only superficial, through edification and cultivation, it can deeply change the children's perception and understanding of the world^[1]. Secondly, the influence of music education on children's cognitive development is profound and significant. This influence comes from the complexity and richness of music itself because music is both a language and a mathematics, both an art and a science^[2]. In this process of multiple integration, children's brain is stimulated, and their cognitive ability is exercised and improved. After exploring the many benefits of music education, music can not be ignored in the improvement of children's emotional management and physical coordination ability. Finally, the aspects of music education are far from fully covered by one or two dimensions. The shaping of leadership is a key element in its development, especially when children participate in collective music activities such as bands or choirs. These activities provide valuable opportunities for children

to learn and develop their leadership skills from practice, which also lays the foundation for them to develop their leadership skills in multiple fields in the future.

The core position of piano education in music learning comes from its internal multi-dimensional value. (Table 1) From the skill level, learning the piano can develop children's coordination, hearing, and hand-eye coordination. From the perspective of emotional development, piano learning is the channel of emotional expression and emotional regulation; from the aesthetic perspective, it enhances aesthetic taste and aesthetic cultivation; from the level of intellectual development, it stimulates active thinking and cultivates innovative consciousness and spatial imagination ability. Through piano learning, the children can not only improve their skills, develop their emotions, and improve their aesthetics, but also become more stable on the road of exploration and innovation. In the beat of each note, they find the power of expression but also find the passion of life. All these are not only education but also an experience and perception of the depth of life^[3].

Table 1: The Four Most Popular Musical Instruments in China

Ranking	NO.1	NO.2	NO.3	NO.4
Profession	Piano	Guzheng	Guita	Yukriri

Investigation of Shanghai Musical Instrument Exhibition piano and keyboard instruments interested in the people up to 31 percent of all products.

Youth is the most critical period in life but also determines the development and direction of society. The common personality characteristic of children during this period is the self-centric phenomenon of teenagers. Although the understanding of others and their ideas may be different, often with their ideas to estimate others' ideas, from the emotional aspect, easy to anxiety. Adults are at a loss for their new requirements and are easy to lose their temper. The study of art makes them know the experience and feeling of meditation and beauty. They attach great importance to friendship, and they also hope to be recognized by classmates, friends, parents, and teachers. No matter whether in study or life, the ability of independence, and self-consciousness, is a period of objective self. Teenagers face tremendous physical and mental changes. If you can overcome it, re-adjust it, and establish a unified, mature self, it is a turning point^[3]I hope music is not just a hobby, if you can icing on the cake, will be the best expectation. In short, modern teenagers develop earlier, and the time to receive formal education in school is longer than before, so the biggest characteristic of modern teenagers lies in their physical precocious maturity and psychological late maturity. Music teaching and piano learning are a part of their life, and I hope that music will accompany their life happiness and happiness.

2. Innovation of piano teaching methods

In piano teaching for teenagers, it is observed that learners' interest and learning motivation show significant individual differences, and this phenomenon may be rooted in the interwoven influence of students' talent, family music environment, social culture, and the attitude and values of music education. The survey found that many teachers always focus on the skills of music as the training standard when assigning piano homework to students, but ignore the cultivation of students' comprehensive musical ability^[4]. In the teaching process, too much attention is paid to technology and ignores the cultivation process of students' musical emotion, which seriously hinders students' pursuit of music beauty, weakens their music sensibility and imagination, and makes playing dull, dull, and dull. To provide high-quality piano education for teenagers, its research focuses on a reasonable way and method of piano music education. Through the application of innovative teaching methods, it aims to solve many problems encountered in traditional piano teaching.

2.1. Multi-sensory integration teaching method

For teenagers, piano teaching is not only the learning of a skill but also an important part of music perception, creativity cultivation, and aesthetic education. It may also be the foundation for the music industry or piano education in the future. A variety of innovative methods are adopted in youth piano teaching, aiming at improving the teaching efficiency and stimulating the interest of teenagers and the potential of music creation.

Multi-sensory fusion teaching method, as an innovative teaching strategy, focuses on enhancing the in-depth understanding and emotional experience of piano music by integrating a variety of sensory experiences, such as vision, hearing, touch, and motion perception. The core of this approach is creating a comprehensive learning environment that enables learners to reach and understand music at multiple sensory levels. In the learning process of piano playing, the multi-sensory fusion teaching method plays a vital role. In practice, learners will use a variety of sensory skills: visually, they need to look at the music and distinguish the notes; auditory, they need to listen to the rhythm and melody of the music in order to better grasp the emotional expression of the music; in touch, they feel the rhythm and strength of the fingers on the keys; meanwhile, learners will also use motion perception, such as controlling the sound and tone of the music by the foot on the piano pedal. More importantly, this approach emphasizes not only technical training but also emotional and cognitive development. In the process of playing, learners should not only observe and hear, but also feel the music with their heart, and integrate their own emotions into it, which is a kind of full commitment^[5]. They are encouraged to sing the melodies, which not only enhances the sense of music but also strengthens the understanding and memory of music theory. In the process of piano learning, if learners have difficulties in some aspects (such as visual notation, auditory sound discrimination, etc.), teachers will adopt personalized methods to help them. Therefore, when every piano boy learns the piano level 3, he will learn the music literacy course, so that the hearing can play the maximum training. Tactile experience is equally important in piano learning. The teacher guided the students to feel the weight and rebound strength by touching the keys, so as to better master the keystroke skills. Some children will even learn the second instrument, such as drum set and ethereal drum lessons, which can feel the different strengths of treble, middle, and bass through the drum surface, and then understand the richness and diversity of music expression. Teachers can also help students establish correct playing habits by guiding their body posture, finger exercises, and other ways. For example, through training in the movement of piano AIDS, children can practice the independence and flexibility of their fingers without the piano, which is crucial to improving their piano playing skills.

In conclusion, the multi-sensory fusion teaching method provides students with a comprehensive music learning environment by combining visual, auditory, tactile, and motion perception. This method not only enhances the perceptual understanding and skill mastery of music but also stimulates their interest and enthusiasm for music learning. This comprehensive teaching method enables a deeper understanding of music while developing musicianship in a pleasant and productive environment.

2.2. Creative improvisation method

As a teaching method, creative improvisation plays an important role in youth piano teaching. Improvising, as the name suggests, is the creation and performance of music performed without prior preparation. This way requires students to create music freely with their existing music knowledge and skills under specific guidance. In this process, students can not only practice and consolidate their music theory knowledge and piano skills but also explore and develop their musical expression and creativity in practice. A key element of this method of teaching is flexibility.

Unlike traditional music to music, improvisation is not constrained by an established musical structure. Students are free to choose notes, harmony, rhythm, and dynamics to create unique musical segments. This freedom allows students to explore the possibilities of music more deeply, and to learn in practice how to combine different musical elements to create harmonious and expressive music^[6]. In addition, improvisation is also an excellent way of expressing emotion. Through improvisation, students can translate their feelings and experiences into a musical language. This personalized expression not only improves students' music comprehension ability but also enhances their confidence and creativity. In this process, students learn how to listen to their inner voice and turn it into music. The ability to truly apply what you learn and hear any melody, fragments, or music you like. So, sometimes students are recommended to learn guitar lessons.(Table 2) Because of the musical particularity of the guitar, it trains students' hearing, musical feeling, and improvisation ability. It is a kind of growth into a higher stage, and classical teaching, classical works, especially the form of playing and singing, the importance of improvisation is more significant.

2Table 2: Music Class 2 for students

Major: piano

Course	Piano +Music literacy	Piano +Sparring	Piano +Vocal music	Piano +Vocal music+Music literacy	Piano +Guitar
Number	100%	80%	70%	40%	20%
Course	Piano +Bottle gourd silk	Piano +Ethereal drums	Piano +Guzheng	Piano +Drums	
Number	10%	10%	5%	2%	

To sum up, creative improvisation plays a vital role in teaching adolescent piano. Through improvisation, students can not only improve their musical skills and theoretical knowledge but also significantly improve their emotional expression and creative thinking.

2.3. Piano Ensemble Teaching Method

Piano ensemble teaching plays a key role in youth piano teaching, aiming to provide teenagers with a more comprehensive musical education experience for training by combining piano and other musical instruments. This piano ensemble teaching not only deepens the understanding of music but also enriches their aesthetic experience and stimulates their creativity and imagination. We can feel the different timbre of each instrument, the different art forms, and the importance of cooperation between people, and have a deeper perception and experience of art. Sometimes they even participate in the combination of dance and piano, which is another important form of interdisciplinary integration. As a dynamic art form, dance can help children understand the rhythm and mobility of music. By learning how to transform music into body language, students not only learn how to express music but also to feel the rhythm and power of music at the physical level^[6]. Moreover, this fusion also promotes adolescents' understanding of the musical structure, allowing them to more intuitively perceive the fluctuations and changes of music. In addition to dance, drama, and literature are also often incorporated into piano teaching. By reading literature related to musical works, or by participating in theatrical performances based on musical works, children can understand and experience music from different perspectives. This interdisciplinary approach not only broadens their artistic horizons but also enhances their understanding of the multi-level meanings of a musical work^[7]. In youth piano teaching, cross-music forms and interdisciplinary integration is not limited to the classroom but also includes a variety of activities inside and outside the school, such as after-school performance, Spring Festival party, and other multiple social

activities. These activities provide teenagers with the opportunity to apply what they learn in the classroom to practical situations, thus deepening their understanding of the association of music with other art forms.

In short, piano ensemble teaching and its interdisciplinary integration with other art forms are an important aspect of piano teaching for teenagers. Through this integration, children can not only understand and experience music from multiple dimensions but also develop their aesthetic and creativity in a wider field of art. This teaching method not only deepens the teenagers' understanding of the emotion and expressive force of music but also provides them with a comprehensive and rich art education experience.

2.4. Digital Music Technology Teaching

Digital music technology-related teaching method plays a significant role in the piano teaching of teenagers, especially in the use of digital technology to improve the aspect of teaching quality and learning interest. By combining modern technology and educational concepts, it has created an interactive and educational learning environment. In such an environment, children can not only learn music theory and piano playing skills but also deepen their understanding and love of music in a process full of fun.

Among them, the gamification teaching method is a major feature of these digital technologies. By transforming the learning content into games, you can learn about music during play, to improve your learning efficiency and motivation. For example, music rhythm games not only attract the attention of big friends and children but also help them master the rhythm of music in practice. The game usually involves a variety of levels and challenges, allowing students to learn according to their progress and ability, while also increasing their interest in learning. In addition, the software is often interactive and provides immediate feedback based on students' answers, which not only helps to correct mistakes in time but also helps to consolidate the correct knowledge. Such as video tutorials, online piano training partners, Chinese and foreign music appreciation, and interactive music theory courses. Video tutorials are usually recorded by experienced teachers and provide detailed explanations of piano playing skills and music theory knowledge. It is convenient for students to play quickly and accurately during self-practice. You can enjoy the slow speed, medium speed, fast, appreciation version, and other different versions of the demonstration song so that the degree of difference needs to match the different music demonstration effects. Online piano practice partners allow students to practice without teachers and parents, which is especially useful for students with limited families. It will practice the wrong sound, fingering, rhythm and so on all can be pointed out, and through the scoring system to give students encouragement and continuous challenge^[8]. The interactive music theory course helps students consolidate and expand their music theory knowledge and music knowledge by providing a variety of interactive exercises and tests. A large number of Chinese and foreign songs, and different forms of musical instruments, rich and colorful, to meet the needs of different learners. In addition, these digital music technologies also provide the possibility of personalized learning paths, and students can choose different learning contents and difficulties according to their interests and progress, to make the learning process more in line with individual needs. This personalized method not only improves the efficiency of learning but also enhances students' learning motivation and autonomy. In particular, electronic music accompanist, covering more than 10,000 piano works, from enlightenment teaching to classical songs, from daily piano textbooks to grade textbooks, and even to a large number of Chinese and foreign songs, a large number of familiar popular songs, etc., can have very good piano music accompaniment. Most are accompanied in the form of a symphonic performance. The application of electronic music accompaniment to daily teaching has greatly improved the students' interest in

practice and music. In particular, the training of rhythm, listening, and music sense, when applied to various music activities, competitions, performances, etc., will bring you a novel sense of experience.

In short, digital music technology teaching plays a vital role in youth piano teaching. Through the combination of gamification teaching methods, online music training partners, video tutorials, interactive music theory courses, famous music appreciation, and electronic music accompaniment. The teaching of digital music technology provides students with a rich, diverse, and efficient learning environment.

3. Conclusion

To sum up, piano education for teenagers is a multi-dimensional teaching process, which involves the application of cognitive development theory, the innovation of teaching methods, the optimization of environment and content, the change of teachers' roles, and the establishment of an evaluation mechanism. Through the implementation of these comprehensive strategies, children can provide a platform for comprehensive development, not only improving their piano playing ability at the technical level but also fully cultivating their emotional, cognitive, and social development. Therefore, art education should not only focus on the presentation of results, but should pay more attention to the teaching quality and learning experience in the process, and strive to cultivate young people to become future citizens with an innovative spirit, rich emotion, and responsible social responsibility. The effectiveness of piano education is not only measured by the results of the grade examination but more importantly, by whether the students can gain lasting fun in musical instrument learning and develop a lifelong passion for learning music.

Music, especially piano playing, is not only a display of skills but also an important way of emotional expression and cognitive ability development. In this process, the social development of individuals is also strengthened, because music itself is a form of social communication. Finally, the course design of piano education should aim at cultivating students' comprehensive ability, and creatively integrate various teaching resources and strategies so that students can comprehensively improve their performance skills, their music perception ability, their emotional expression ability, and their social communication skills. In the modern society, the application of science and technology occupies an important position in the modern piano education. Digital learning tools, online courses, and applications not only provide students with new learning resources but also provide teachers with a variety of teaching methods. With these tools, personalized teaching can be more effective and provide students with more opportunities for self-directed learning.

In the final analysis, the goal of piano education should be to cultivate individuals with high musical literacy, who are not only skilled players but also people with deep understanding and feelings of music. They can establish a deep connection with themselves and the world around them through music. The ultimate goal of music education is to cultivate more harmonious, empathic, and creative individuals through this connection, and to contribute their strength to the sustainable development of the society. In this process, every educator plays a crucial role, and their educational ideas and methods will directly affect the attitude and understanding of music.

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