

# Exploration on Piano Teaching Reform of Preschool Education Specialty under the Background of Educational Informatization

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## ABSTRACT

Educational modernization undertakes the responsibility and mission of training modern people and meets the new needs of the times for talent training. The establishment of the information age as a whole in today's society promotes the continuous integration of information technology and teaching activities, which is an important representation of the connotation development of education to meet the needs of the times. As the core skill course of preschool education, piano course not only cultivates the necessary professional skills of future preschool education teachers, but also an important way to improve preschool teachers' artistic literacy. Relying on the background of educational informatization, this paper focuses on the author's own teaching practice attempts in using information technology, platform and resources to enrich teaching resources, teachers should improve their teaching methods, increase practice ways and improve evaluation methods. The researchers proposed to use of information resources to enrich the means of piano teaching, using information technology to improve teaching equipment, using network teaching platform to strengthen students' after class practice guidance, in order to provide valuable exploration for the piano teaching reform and professional high-quality development of preschool education in the school.

**Keywords:** Preschool education; Piano teaching; Educational informatization

## 1. INTRODUCTION

With the rapid progress and development of information technology, great changes have taken place in human production, life, thinking and learning methods. The development of global education shows a significant trend of informatization. Information technology not only changes the current education, but also has an important impact on the future development prospects of education. The several opinions on deepening the reform of systems and mechanisms and accelerating the implementation of the innovation driven development strategy jointly issued by the CPC Central Committee and the State Council pointed out that a scientific and reasonable training mode for innovative talents should be put forward, a teaching method reform pilot integrating heuristic, exploratory, research and other characteristics should be set up, and efforts should be made to promote the scientific spirit, so as to create an innovative cultural atmosphere that attaches importance to innovation and is highly inclusive.

At present, piano course is one of the main skill

courses that constitute the pre-school education system of normal universities in China. It has great practical significance for students' future study, employment and development. Piano performance, nursery rhyme playing and singing, impromptu accompaniment and other abilities are the basic skills required by the pre-school education major. The skill level will play a decisive role in the future development of students' music teaching career. As one of the core elements of the pre-school education major, piano teaching plays an important role in the pre-school education professional system. This paper starts with the teaching of piano in preschool education, and explores the reform of piano teaching in preschool education under the background of educational informatization.

## **2. MAKE USE OF INFORMATION RESOURCES TO ENRICH THE MEANS OF PIANO TEACHING**

### ***2.1. Using educational information resources to strengthen students' Piano Basic Training***

The emergence of network teaching can provide rich and diverse teaching forms for students with multiple teaching means, and also provide convenience for students' learning. Among them, the rapid development of "micro class" can greatly attract students' interest in learning by virtue of its graphic and audio teaching situation. Students can feel different teaching experience. It is also one of the teaching forms favored by students in the current network teaching, and is being widely used in the teaching of various disciplines. The teaching time of "micro class" is short, the content is concise, targeted and mobile. It can enrich teaching activities in various forms, improve students' subjective initiative and be more active in subject learning. However, most of the students majoring in pre-school education in Colleges and universities have weak piano foundation, and they basically use the collective class mode in class. Teachers cannot take into account every student in the limited teaching time. However, Wechat classes can solve these problems. Wechat classes have the function of recording and saving. After each class, teachers' explanation videos will be kept. Teachers will also separately record demonstration course videos, which students can watch repeatedly in Wechat learning groups. It is an effective method to strengthen students' basic piano skills.

### ***2.2. Create an intelligent classroom with music software***

The traditional teaching mode is too single and boring, and the piano teaching is mainly based on basic exercises, which leads to the low efficiency of students' absorption of teaching content. The current information technology has been very mature and can be widely used in teaching. Therefore, piano teaching can use various types of music software to add teaching forms, better attract students' interest, mobilize students' enthusiasm for learning, and highlight the effect of intelligent classroom.

Take the medley dp-360 digital piano as an example. It has USB and MIDI in/out interfaces, which can be connected to a computer or mobile phone. Piano teachers can use music software such as "piano playing bar", "library band", "perfect piano" and "yitongqin bar" to provide students with practice opportunities, thus enriching teaching means, adding interesting links to the classroom, and experiencing the charm of music in practice. At the same time, the process of using music software can improve students' aesthetic appreciation of music, enable students to understand basic theoretical knowledge, and promote good interaction between

teachers and students. The use of music software has an obvious effect on the teaching effect. It can change the traditional boring teaching methods and promote the all-round development of students in the field of music. In addition, teachers can also use music software such as encore, Overture, etc. to compile the music or nursery rhymes learned by students into ensemble or ensemble music scores. According to the degree of students, some play simple parts, while others play slightly difficult parts, so as to increase the interest of students' learning.

### ***2.3. Using the network platform to provide more practical opportunities for students***

As a professional skill course, the biggest difference between piano course and other theoretical courses is its strong practicality. In teaching, we should pay attention to the cultivation of students' psychological quality and ability, devote ourselves to the dual combination of practicality and performance, constantly let students adapt to the stage through practice, improve their psychological quality, and lay a foundation for students to better display and perform in formal early childhood teaching. In teaching, it is necessary to encourage students to practice more, accumulate performance experience, and exercise their psychological quality, such as kindergarten practice, art performance, piano competition, grade examination, professional presentation concert, etc., which are all very good forms of practice. However, due to the differences in personality, ability and psychological quality of each student, the above-mentioned practice forms may not necessarily involve every student. So we can use the network platform to provide more choices for students' practice. For example, students can be encouraged to make short videos of the playing process based on the dormitory, and then publish them on the Tiktok or Kwai platform, so as to compare who will have a higher click through rate. You can also use nails or Tencent conferences to hold online concerts to invite students' parents and friends to watch. This can not only avoid some students' tension when facing the live audience, but also allow parents and friends from different places to watch their own performances. It is a very good choice to enhance students' learning confidence and strengthen their psychological quality.

## **3. USING INFORMATION TECHNOLOGY TO IMPROVE TEACHING EQUIPMENT**

### ***3.1. Give full play to the advantages of digital piano with the help of information technology***

For pre-school education students in higher normal colleges, piano teaching is a professional course. After expanding the enrollment scale, the number of students will gradually increase, so the form of classes is mainly collective classes. With the rapid development of modern

science and technology, the collective teaching mode of electric piano came into being. At present, digital piano is used in the collective piano teaching of preschool education major in most colleges and universities. An electric piano classroom can accommodate about 30 sets of electric pianos. The electric pianos are uniformly controlled by the teacher's console. In teaching, the console can be flexibly adjusted to achieve the teaching purpose. For example, the teacher's projector can be displayed in the background when the teacher performs. In addition, the electric piano can better enable students to concentrate on practice without mutual interference, and teachers teach one-to-one through the console and check the students' real-time practice and joint learning effect.

Most electric pianos have built-in various timbres, including Ge Zong's rhythm for us to use. In addition, there are automatic bass chord, metronome, dual tone, MIDI input and output functions. If teachers can reasonably and properly use various functions of digital piano in the teaching process to create a rich electronic music class, it can be regarded as an enjoyable process for students. For example, in the digital piano group lesson "the ever-changing" sun ", I first let students get familiar with the melody by listening to the original song, and understand and grasp the thoughts and feelings expressed by the song through Chinese lyrics. Then explain to the students the voice selection operation of the digital piano, and guide the students to select the appropriate voice according to the characteristics of the voice part. The melody part can choose violin, accordion, trumpet, etc. with bright timbre, and the accompaniment part can choose brass instruments, double bass, etc. with relatively low timbre. Divide the students into two groups. One group plays the melody part and the other group plays the accompaniment part. Guide the students to carry out simple orchestration of the music through the two different timbres selected. With the help of the powerful electronic technology of digital piano, students can understand the grouping of musical instruments, understand the timbre characteristics of different musical instruments, and explain the simple orchestration knowledge in the actual playing process, which will help to improve students' understanding and expression of music while improving students' interest in learning. It can be found that students are very interested in this form of playing through their class performance and class return.

### ***3.2. Gradually introduce intelligent piano to create intelligent classroom***

The gradual maturity of science and technology information technology provides help to people in all aspects. In the field of musical instruments, as early as 2014, there was an intelligent piano, which can provide piano learners with a more simple and convenient way to

learn the piano. As soon as this intelligent piano was launched, it has attracted wide attention, and various related fields are also close to the field of intelligent piano, committed to the research and development of a more perfect intelligent piano. [2] Intelligent piano can lower the threshold for beginners and make more people have the desire to learn piano. At the same time, it has certain entertainment. Students can enjoy playing the piano and cultivate their interest in piano learning. At the same time, various types of smart piano apps have also emerged. There are various practice modes in the app. Students can match the app with piano equipment to better learn and practice the piano. Moreover, app is more entertaining. It can enable students to learn piano skills and relevant music theory knowledge through "teaching in fun". In addition, smart piano has error correction function. If students make mistakes during practice, smart piano will remind students to correct them in time. This set of entertaining and interesting mode is a good choice for Piano Beginners. How to integrate the piano collective class of preschool education specialty and the intelligent piano teaching class perfectly deserves our discussion and practice.

## **4. USING NETWORK TEACHING PLATFORM TO STRENGTHEN STUDENTS' AFTER CLASS PRACTICE GUIDANCE**

### ***4.1. Help students correctly understand the importance of practice***

Learning, mastering and consolidating any knowledge and skills are inseparable from practice. As a precise skill movement, the piano playing is inseparable from a lot of practice. As the saying goes, "a tune never leaves its mouth, but a fist never leaves its hand", this sentence is also applicable to piano playing. [3] For students majoring in preschool education, developing good practice habits is the first to bear the brunt. Teachers can make full use of rich information resources and help students realize the importance of practice with the help of network tools. Teachers can use wechat or QQ to send students some information about the practice of famous pianists, so that students can realize that every player who shines on the stage has made unexpected efforts behind his back. For example, I once shared with the students a video clip of Gould, a famous piano player, practicing at home. Gould in the video played and sang while practicing. He was very involved. This video allows students to see the real state of the pianist practicing the piano and understand the importance of singing music. In addition to the help of professional learning, teachers should also often communicate with students, help students overcome various psychological barriers, and guide students to correctly understand and face piano practice without being afraid of both the head and the tail.

#### **4.2. Use the network teaching platform to carry out online guidance**

In addition to undertaking certain teaching work, university teachers also undertake corresponding scientific research work, students' graduation thesis work, students' practice guidance, etc. in each semester. In addition, they also need to give consideration to their families. They rarely have time to coach students during after-school practice. Therefore, using the network teaching platform to carry out online guidance is a way to have the best of both worlds. Teachers and students can build a wechat or QQ learning group. Students can ask questions in the group if they have any questions. Teachers can use any free time to give students guidance and answer questions.

### **5. CONCLUSION**

As the main channel for cultivating people, classroom teaching has become the need of the times for national development to pursue its high quality. "With the establishment of the information age in the present society as a whole, the impact of media technology on education is becoming greater and greater." [4] At present, no matter from the macro educational environment or from the changes of micro classroom teaching, we can clearly and obviously feel that educational informatization has become the trend of future teaching. At present, informatization, as a symbol of the development of the times, is deepening its integration with education. The "Internet + education" is changing China's original education status and teaching mode. [5] The change of teaching brought about by educational informatization is not only the change of technical means, but also the change of cognition. It provides a new perspective for educational and teaching reform. In the future piano teaching, I will continue to explore how to better integrate information factors with

classroom teaching, give better play to the unique advantages of information factors, optimize piano teaching and evaluation of preschool education, expand teaching resources and environment, and strive to improve my own information literacy and broader educational literacy while providing good educational services for preschool education students.

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