

# *About Exploration and Practice of the Online and Offline Teaching Mode in Collective Piano Teaching in Colleges*

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**Abstract:** With the continuous progress of China's economy in recent years, the overall national strength has continued to rise, and the demand for excellent talents is also increasing. Universities mainly aim to cultivate outstanding talents, and higher music education is receiving more and more attention. And collective piano teaching began to appear in college education. Piano teaching can effectively cultivate students' music literacy. This paper mainly explores the online and offline teaching mode in collective piano teaching.

## 1. Introduction

With the continuous development of network technology in recent years, the work of various industries has begun to use "Internet +" technology. College education can also effectively integrate Internet online education with traditional offline education through network platforms and resources. In this way, the efficient piano teaching can be achieved. Teachers in colleges and universities need to scientifically design teaching methods based on the situation of students to enhance students' interest in learning, so that students can feel the charm of piano.

## 2. The Characteristics of Collective Piano Teaching

After comparing collective piano teaching with individual piano teaching, we can see that collective piano teaching can reduce the cost of teaching time and the number of teaching stuff, which can alleviate the contradiction in teaching due to large numbers of students and few teachers to a large extent. In individual piano teaching, some students can play the piano calmly and confidently in an independent and small piano room. However, when they go to other places where there are many people, they will not be able to play well because of psychological tension and lack of confidence. But if they can learn in the environment of collective piano teaching, they will be able to get used to playing in a group environment for a long time, which is helpful for students to build their confidence. There is no lack of learning conditions for students in the collective piano teaching, and they often live in a pleasant learning environment, so that they have a basic understanding of rhythm, laying a solid foundation for their future piano lessons <sup>[1]</sup>.

Collective piano teaching are also conducive to cultivating students' will and quality. Students need to spend a lot of time practicing playing the piano, and in long-term practice, students need to have the courage and perseverance to overcome difficulties. Some students may lose patience due

to the long practice time, and some students may give up the idea because they encounter the difficulties in practicing playing the piano. When students are practicing in a large environment of collective piano teaching, they can see the persistence and efforts of other students, so that they can significantly improve their patience and perseverance. In addition, collective piano teaching can also reduce students' sense of loneliness when practicing playing the piano, and students are more likely to feel the joy of playing the piano.

### **3. The Teaching Mode of Collective Piano Teaching**

#### **3.1 To Innovate Learning Content with the Use of the Internet**

In the collective piano teaching, teachers first need to think about what kind of teaching content is in line with the needs of most students in the class. In today's Internet environment, teachers can collect data in the actual classroom, analyze and master students' learning needs, scientifically design piano learning paths for students, analyze students' defects at music knowledge, and recommend appropriate piano learning paths for students. For example, teachers can make intelligent teaching preparation with the help of cyberspace, and the lesson preparation includes body demonstration, illustration, master's demonstration performance, personalized performance, etc. At the same time, students can be allowed to carry out some autonomous learning in cyberspace. For another example, students need to spend a lot of time practicing playing the piano in real life before they can have good detailed habits such as arm and wrist strength conversion and fingertip touch key feeling. Teachers can use network digital virtual technology to enhance the scientificity of learning content and make abstract problems concrete. And they can even use animation to simulate the learning of music skills, and use digital technology to present the action details of various parts of human physiology during the practice, so that students can better master the action<sup>[2]</sup>.

#### **3.2 To Assist Teaching with Multimedia Projection Technology**

Teachers' rational use of multimedia projection digital technology in collective piano teaching can facilitate every teaching link of teachers and provide more possibilities for students' learning methods<sup>[3]</sup>. Teachers can play the teaching demonstration repertoire with the piano before classroom teaching. During the playing process, digital cameras are used for shooting and recording. During the shooting process, attention should be paid to clear recording, and the camera picture should be concentrated on the key position of the piano. After the shooting, the teacher will edit the video to make it become the teaching material of collective piano teaching. Teachers can store the video on the computer with the function of multimedia projection, and they can use multimedia projection to open the video at any time in the classroom, so that students can observe the teacher's specific piano playing process through the video in the classroom and can learn the teacher's key position. In addition, teachers can also put the video on the server of the campus network, so that students can watch and learn the video on the network after class and they can better absorb the teaching content<sup>[4]</sup>.

#### **3.3 To Train Students' Ability of Hearing**

Piano performance presents the sound effect with the help of certain skills, and uses the piano music to make the performer's inner artistic image and works connotation well presented. Therefore, when teachers carry out piano teaching offline, they need to carry out appropriate music training for students. Many students in colleges and universities pay too much attention to the exploration of their hands on the keyboard when learning piano lessons, but do not pay attention to listening to the

melody they play. They neglect the accuracy of sound and rhythm in the process of playing the piano, and do not have a good control of tone and processing details. Teachers allow students to perform in the classroom, and need to remind students to use their ears to listen to and pay attention to their own rhythm and pitch for errors <sup>[5]</sup>. After students are proficient in the whole tune, the teacher will guide them to pay attention to the changes in breathing and intensity between the phrases, pay attention to whether the pedal is used correctly and to whether the timbre can reach a beautiful standard. In the collective piano teaching, teachers can first demonstrate to students to play a melody, and students listen carefully to the teacher's performance, and then imitate the teacher's performance method in the process of training. In addition, teachers can also allow different students to play the same melody, then other students listen carefully and give appropriate evaluation to the playing students, so that students can learn to evaluate each other and make common progress <sup>[6]</sup>. When their musical hearing ability is improved, students can also know their shortcomings by listening. As a result, they can practice harder for the shortcomings and significantly improve their piano level.

#### 4. Conclusion

Piano learning has a certain effect on the comprehensive quality training of college students. In order to improve the teaching efficiency of collective piano teaching, teachers can combine the characteristics of the development of modern network technology and that of offline teaching to design suitable online and offline teaching methods to help students improve their skills of playing the piano.

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