

A Comparative Study on Traditional Piano Teaching and Distance Piano Teaching Mode from the Perspective of Information Technology

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Abstract: Due to the progress and innovation of technology and economy, the network is gradually deeply integrated with social life and work learning, which promotes profound changes in people's cognition and mode in social life. As an important part of the field of education, piano teaching needs to keep pace with social development, realize the integrated development of and network technology, and innovate educational methods. The purpose of this study is to establish a diversified education model, improve and innovate educational knowledge, improve educational quality, promote high-quality piano teaching methods, enhance the enthusiasm and interest of piano learners, and cultivate high-quality music masters, Help update and develop relevant education methods.

Keywords: financing piano teaching; traditional teaching; distance piano teaching; informatization

1. Introduction

The specific connotation of informatization is to develop and use network data through network media, realize resource communication and data sharing, improve the quality of economic development, and promote the historical process of social and technological development and transformation. In the network era, due to the progress of science and technology such as network media, some new concepts and models will appear, which will affect the way most people build their knowledge and lifestyle. Moreover, modern information technology has developed to a relatively mature and stable stage. Nowadays, in people's life, many aspects have changed greatly due to the development of information technology. Moreover, information technology has also been widely used in teaching, and remote piano teaching is a new piano teaching mode developed on the basis of the combination of Internet technology and thinking, which has added new teaching approaches to the development of piano education.

2. Piano teaching mode

In the context of educational reform, quality education has become the teaching policy of all schools, parents have gradually attached importance to the cultivation of students' talents, and piano has become the first choice for students to learn. The original piano teaching mode is divided into "one-to-one" teaching and "one to many" teaching, both of which are face-to-face teaching, and teachers can feedback and evaluate students' learning. Due to the rapid progress of network technology and the lack of experience and space for learners, online piano teaching mode came into being. Piano teachers can feed back students' learning situation in a timely manner through information network technology. And in 2020, when the COVID-19 is not necessary for all people to go out, the development is in full swing. Therefore, the piano teaching mode can be divided into the traditional face-to-face teaching mode and the remote piano teaching mode using network technology^[1].

2.1 Traditional piano teaching mode

With the continuous development of information technology, the piano teaching mode has undergone tremendous changes. The original piano teaching mode has become the traditional piano teaching mode. However, there is no clear definition of the traditional piano teaching mode. Liu Jin (2021) referred to the arrangement of relevant teachers. The original piano education mode has a single education mechanism, a group education mechanism and a group collaborative teaching method. All

kinds of education mechanisms and methods have their advantages and disadvantages. Zuo Zhangchi (2018) divided the piano teaching mode into compulsory teaching mode and elective teaching mode according to students' learning needs^[2].

According to the research of various scholars, it can be seen that the traditional piano teaching refers to the completion of the established teaching objectives and contents under the guidance of the established educational concepts, ideas and learning theories, and the classroom teaching is regarded as the most widely used education method. At this stage, the domestic piano teaching and education takes the original teacher to student teaching method as the main body. The original education method is often carried out around teachers. The main way is that teachers teach students face to face, and the auxiliary way is that students practice independently. After 7 days, they return to the classroom to accept the teaching mode of knowledge transfer again. Therefore, combined with the definition of informatization, this paper defines the traditional piano teaching mode as one-to-one or one to many face-to-face teaching mode for students in the same space and at the same time.

2.2 Long distance piano teaching mode

Specifically, there are three online piano teaching mechanisms that give the network media background:

First, teachers' online diversified participation in the classroom mechanism. The essence of this kind of mechanism is to improve the results and quality of piano teaching and education, expand the areas accessible to education, and use cutting-edge Internet media to promote students in remote areas, such as rural areas, ethnic minority settlements and even across countries to use the network online voice and image practice to communicate with leading students across regions. The operating mode of this mechanism is: learners complete the piano performance in turn, and teachers evaluate and give suggestions according to the performance. Under this mechanism, teachers and students in various regions use the Internet to achieve intimate communication, and to communicate, experience and exchange piano playing skills in person.

The second is the Internet open exchange exploratory teaching mechanism. This kind of teaching mechanism innovates the traditional one-to-one teaching method, allows learners to independently determine the length and location of teaching, and dynamically uses the Internet to connect with the leading players in the piano field. Its characteristics are: beyond the limitation of time and location, it can achieve face-to-face online teaching under appointment. This is a kind of online teaching and discussion teaching mechanism for dynamic communication between learners and teachers.

The third is the Web classroom point teaching mechanism. The specific connotation is to develop a piano online teaching platform, innovate high-quality online classes, and allow students to choose their own courses for learning through visiting websites. This classroom model allows high-quality piano teaching classes to spread indefinitely, and allows students to repeatedly visit websites to achieve the combination of online and offline.

To sum up, this paper defines the remote piano teaching mode as a teaching mode without time and space restrictions. Teachers can communicate with students and give timely or delayed feedback through information network means. No face-to-face contact is required, and information network means are needed.

3. Advantages and Disadvantages of Traditional Piano Teaching Mode and Remote Piano Teaching Mode in the View of Informatization

Informatization is a way of transmitting information through network technology. Therefore, informatization is not only a network technology, but also a feedback system that can carry out signal transmission mechanism. In the remote piano teaching mode, whether it is the online classroom mode or the on-demand learning classroom mode, it belongs to the category of information, because the relevant information of piano teaching is transmitted to the students, whether it is timely feedback or delayed feedback^[3]. However, because the feedback of the remote piano teaching mode is sometimes delayed, or it is a "one-to-one" mode, teachers cannot guide every student in time, and the remote piano teaching mode still has some shortcomings. Although the remote piano teaching solves the problem of time and space, the advantages of the traditional piano teaching mode are incomparable with the remote piano teaching mode, as follows:

3.1 Advantages and Disadvantages of Traditional Piano Teaching Mode

3.1.1. Advantages of Traditional Piano Teaching Mode

Based on this teaching mechanism, teachers can generally communicate with learners face to face, show their skills and guide them, and urge learners to explore the best timbre. Especially when we are new to the piano, teachers who master excellent piano quality can help learners to build knowledge reserves as soon as possible and improve their enthusiasm for learning. To promote their in-depth understanding. This kind of education mechanism can make use of the one-to-one close contact between teachers and learners to complete the teaching, improve the deficiencies as soon as possible, study the profound meaning of piano playing, and improve learners' appreciation ability on the basis of improved knowledge.

3.1.2. Disadvantages of Traditional Piano Teaching Mode

The advantages of this kind of education are obvious, such as the teaching of playing skills, voice recognition, intimate communication, etc. These advantages are also the key factors for this mechanism to become the dominant way. However, due to the development of modern network technology and its existing advantages, the original teaching method also has the following limitations:

First, the duration and geographical limitations. The teachers and learners in the original teaching mode must have a relatively stable class period and place, but this requirement has too many drawbacks and difficulties for non professional learners who are under increasing pressure in their studies and work. For example, when they are preparing for the final exam, piano courses are often put aside and their learning is hindered. If they develop on this basis, the enthusiasm of learners will be greatly reduced. Finally, it is difficult for teachers to achieve their teaching achievements.

Secondly, the number of high-quality teachers is insufficient. In the context of such a teaching mechanism, it is difficult to guarantee the knowledge reserves and corresponding accomplishments of teachers. The vocal music education industry is mixed, with various illegal transactions and increasing market demand, which makes it difficult to guarantee the quality of piano teachers and lacks reasonable and consistent educational norms. However, parents generally give their children's piano learning to teachers with low quality without knowing the market, paying more cost and effort, but achieving less. For students, what they may face is not only the waste of money, energy and time, but also the loss of interest and motivation in learning in the long run.

Third, the limitation of teaching resources. On the basis of the development of network media, the application scope of educational resources has been extended, and the total amount and quality of relevant resources have been gradually improved. However, in the original education mechanism, many teachers have completed knowledge transfer based on their existing performance knowledge and appreciation norms. Their own experience plays a greater role than the basic theory, and they have not absorbed a wide range of suggestions and discussions. At the same time, due to the recent accelerated improvement of China's piano performance ability, a large number of piano performers and relevant experts have received global attention in this field. For these reasons, some unexpected drawbacks are gradually existing and developing. For example, the copyright of music scores has gradually entered the scope of social consideration, and all kinds of music scores have high status and influence in the performance effect of piano music. From a global perspective, some of the more professional and famous music scores are responsible for brands that have won the recognition and support of many experts around the world at this stage. Such music scores have the following characteristics: beautiful packaging, clear and careful notes and careful signs. But these famous publishers have hardly opened the field of Chinese music. However, it should be mentioned that some high-quality publishers in China, such as the People's Music Publishing House and the Central Conservatory of Music Publishing House, have made great efforts to localize famous music scores. However, it is inevitable that the total amount and quality of high-quality music scores still cannot meet the demands of face-to-face teaching and education at this stage. There are a large number of pirated and wrong versions in the market, and even music scores that have been modified illegally and do not meet the expectations of the original authors. It can be seen from this that the application of materials that are relatively scarce in the original educational materials has contributed to the decline of teaching quality to a certain extent. Teachers with better materials generally have high-quality learner groups. However, teachers who complete teaching independently generally lack the guidance of future trends in teaching due to the shortage of educational materials they need, thus reducing the quality of teaching^[4].

3.2 Advantages and Disadvantages of Distance Piano Teaching Mode

3.2.1. Advantages of distance piano teaching mode

Compared with the original education mechanism, online performance teaching mainly relies on technical methods. The cooperation between teachers and students greatly improves the teaching effect. By giving full play to the advantages of the network, many excellent teaching methods can be obtained. At the same time, those students who are about to leave the school to complete the role change of the piano performance discipline can help these students better cope with all kinds of difficulties and obstacles in the future teaching work through online education. From the perspective of learners, online teaching can help them to improve their skills, leaving more options for mechanisms. A better learning model can break through the original limitations and shortcomings, based on their more sources of skill improvement.

On the one hand, the online education mode is similar to the original education communication mode, and has many advantages and advantages that the original education mode did not have.

First of all, there are few time and geographical limitations. Under the background of the original education mode, learners may be difficult to complete long-term courses due to the inconsistency of time and space. However, in the online education mechanism, these problems have been solved perfectly. Learners can use their spare time to complete their learning and accept the teacher's teaching through many spare time, which is conducive to the long-term learning of non professional learners. Online teaching can use distance teaching to urge learners to improve on time.

Second, excellent quality teachers. Due to the deepening attention of the academic community to quality teaching, the number of teachers and learners is difficult to match. At this stage, as a teaching industry, there are great difficulties and obstacles. The number of students from a large number of professional teachers is very small. In contrast, many non professional piano related professionals have more students and have a favorable position in the market competition. However, online teaching can solve this problem. Through online teaching, various professional tests and quality inspections, high-quality teacher resources can be gathered based on the richer possibilities of learners.

3.2.2. Disadvantages of distance piano teaching mode

Although the distance piano teaching mode has many advantages, it also has its disadvantages. Compared with traditional piano teaching, remote piano teaching has the following two limitations:

There is less communication between teachers and students, and the classroom atmosphere is not active enough. The biggest disadvantage of remote piano teaching compared with traditional piano teaching is that teachers and students are not in the same space, so there is not much communication between them, and the teaching form is relatively simple, which makes teachers can not get feedback from students in time, so they can not flexibly master the teaching progress and methods. Especially for some practical disciplines such as piano, the communication and interaction between teachers and students is crucial in the process of piano learning. Teachers need to constantly adjust their teaching methods according to the feedback of students. In the teaching process, teaching piano playing hand in hand is an indispensable teaching link. This can be easily realized in the traditional piano teaching mode. Teachers can master students' knowledge at the same time, but in the process of remote piano teaching, teachers cannot pay attention to each student's learning. Therefore, there are serious drawbacks in the communication between teachers and students in distance piano teaching, which is not comparable to traditional piano teaching.

4. Conclusion

To sum up, the distance piano teaching mode has certain advantages over the traditional piano teaching mode under specific conditions, especially the current COVID-19 is relatively serious and the personnel cannot gather in a concentrated manner. In addition, for those students who are not piano majors, the remote piano teaching mode can classify students, take care of students at different levels and stimulate their enthusiasm for learning according to their individual differences. Distance piano teaching can also reduce the limitations caused by the differences in teaching resources and equipment owned by students in different regions to a certain extent. For specific courses of each subject, especially those that pay more attention to practical operation, the traditional piano teaching mode has more significant advantages compared with remote piano teaching. It can give consideration to the learning state of each student at the same time, find out the problems that students have in learning in a

timely manner, and solve the problems of students according to their confusion, and correct their wrong understanding and learning methods. In this respect, the disadvantages of distance piano teaching are more obvious than those of traditional piano teaching mode. Therefore, although remote piano teaching has certain advantages, it is impossible and impractical to replace the traditional piano teaching mode. Therefore, in the future piano teaching, it is impossible to say which teaching mode should be adopted completely, but the two piano teaching modes should be used together to complement each other.

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