

On the Penetration of Multimedia and Network Technology into Piano Teaching and Performance

Yi LI

Anshan Normal College, Anshan, Liaoning 114000, China

ABSTRACT. Nowadays, information science and technology have developed rapidly and are widely used in various fields, especially in education and teaching activities. With the maturity and development of multimedia and network technology, their application in higher art education is becoming more and more common. The application of multimedia technology and network technology in the field of education and teaching has been very popular. Making full use of the advantages of multimedia and network technology can effectively promote the development of education in China, as well as piano teaching. The application of multimedia and network technology in piano teaching plays an important role. Advanced network technology and multimedia can improve students' understanding of piano performance, cultivate students' appreciation ability and love for piano art, and improve their music appreciation level. Based on this, this paper studies the penetration of multimedia technology and network technology in piano teaching and performance.

KEYWORDS: Multimedia, Network, Piano teaching, Play

1. Introduction

With the gradual improvement of China's economic development level, science and technology have also been better developed. Advanced technology has been gradually applied to the operation, production and management of individual industries, which has effectively promoted the improvement of residents' quality of life. Progress provides great motivation [1]. In the teaching mode, most colleges still use the traditional teaching mode when teaching piano, that is, the teacher still occupies the main position in the classroom. Under this teaching mode, students' thinking and innovation ability are bound to be bound [2]. In order to comprehensively improve the teaching level of piano subjects, and promote students' comprehensive artistic cultivation and professional skills, the scientific use of multimedia and network technology is very necessary [3]. The application of multimedia and network technology in piano teaching plays an important role. Advanced network technology and multimedia are conducive to improving students' understanding of piano performance, cultivating students' appreciation and love for piano art, and improving students' music appreciation level [4]. Multimedia and network technology are closely integrated with specific education and teaching activities, which not only enriches the methods and means of education and teaching activities, but also effectively improves the quality and efficiency of education [5]. Multimedia network technology breaks through the traditional piano teaching stereotyped and boring teaching mode, enriches the teaching content, activates the classroom atmosphere, can activate students' thinking and improve students' aesthetics.

The application of multimedia technology and network technology in the field of education and teaching has been very popular. Taking full advantage of the advantages of multimedia and network technology can effectively promote the development of my country's education, as is piano teaching [6]. For piano teaching and performance in colleges and universities, the rhythm and rhythm of audio are the focus of teaching. In order to effectively improve the teaching efficiency, it is necessary to introduce multimedia and network technology in the teaching process [7]. Multimedia technology and network technology are two modern scientific technologies with relatively high development and application levels in recent years. Applying them to the practice of educational work can further improve the quality of teaching and cultivate creative talents for society [8]. At present, most piano teachers often choose to ignore the subjective initiative of students when teaching, and the focus of teaching is mainly on the learning of piano knowledge, and the students' emotional awareness needs cannot be given due attention, which also affects teaching. One of the important reasons for quality [9]. Based on this, this article studies the penetration of multimedia technology and network technology into piano teaching and performance at this stage.

2. Necessity of Applying Multimedia and Network Technology to Piano Teaching

2.1 Problems in Traditional Piano Teaching

Traditional indoctrination teaching mode can't cultivate students' ability of independent thinking, innovation and exploration. Individual piano teachers think that the key to learning piano lessons well is to practice more foreign piano works and teach students to study in the same way, so that students have no sense of innovation and poor practical ability. In traditional piano teaching, because teaching is relatively rigid, teachers can't really make students understand and master their ability to read music. At present, the content of piano teaching in China is obviously backward, which can not meet the individualized needs of students for piano knowledge learning, and is not conducive to the development of teaching work. In the long run, students will lose their original interest in learning and even get bored. In the teaching process, teachers focus on the teaching of basic knowledge and playing skills, but neglect the cultivation of team writing ability in the piano playing process. Although some schools have set up this subject, they still put solo first in practical teaching, which greatly affects the overall quality of piano teaching. The application of multimedia technology in piano teaching has realized piano playing knowledge and skills more vividly and improved students' understanding ability of piano. At the same time, this intuitive teaching method is conducive to improving students' learning efficiency and making them receive more piano knowledge and skills in a limited time.

2.2 Advantages of Multimedia and Network Technology in Piano Teaching

In the multimedia classroom, piano teachers design teaching plans under the guidance of teaching goals, and introduce piano teaching into practical teaching. Students start with some simple piano knowledge, gradually learn some complex knowledge, and then become interested in piano courses. Practice piano playing. The application of multimedia and network technology in piano teaching can effectively break the shackles of the traditional dogmatic piano teaching model, and more intuitively and vividly impart relevant knowledge and performance skills to students. From the perspective of teachers, with the support of multimedia technology and network technology, it can help them develop new teaching programs for different students and promote the improvement of students' overall learning level. Piano teachers should conduct targeted teaching to students during teaching, so that students can learn better piano knowledge and skills, and finally achieve the teaching goals. The application of multimedia can be multi-faceted, and can be used for online video teaching through multimedia learning software to achieve the sharing of teaching resources. For example: when the audio is not accurate, you can correct the intonation through multimedia and network technology teaching. In the sense of rhythm and intonation The degree of recognition is greatly strengthened [10]. Multimedia devices play an important role in expressing the effects of musical works, and can increase the emotional resonance with the audience to a certain extent. Using multimedia equipment, the school can regularly hold some small piano concerts. On this music platform, students can show the piano skills they have learned to achieve a good teaching effect of combining theory and practice.

3. Application of Multimedia and Network Technology in Piano Teaching and Performance

3.1 The Penetration of Multimedia into Piano Teaching

Live piano performance can enable students to deeply understand and feel the feelings contained in the works. Therefore, teachers can create as many opportunities as possible for students to watch concerts. At this time, they can search for relevant piano performance materials by means of multimedia and network platform, play them to students, and then organize students to discuss and study. When the students' sense of rhythm and skills have reached a certain degree, they can try to write simple piano music. Teachers can show the students' works in class, so as to encourage more students to practice hard and create actively. The application of multimedia technology in the process of piano teaching can provide a certain auxiliary role in teaching practice. Students can make full use of multimedia equipment to improve their comprehensive piano performance ability. At present, many schools have increased the investment in piano teaching hardware to meet the needs of basic piano teaching activities. Setting up a digital piano classroom is one of them. It can be said that digital piano teaching has become a more extensive teaching mode, providing greater support for collective teaching [11]. At present, this teaching mode has gradually developed into a new teaching development trend, which has played a great role in promoting the realization of teaching collectivization. As a new teaching method, multimedia digital piano equipment greatly improves students' interest in learning piano, and improves the quality and efficiency of piano teaching to a certain extent. Through the multi-media number teaching can effectively stimulate students' learning enthusiasm, further promote the improvement of piano teaching quality, provide technical support for the smooth progress of teaching work, and promote the reform of piano teaching.

3.2 Penetration of Network Technology into Piano Teaching and Performance

It provides a variety of resources for students. Network resources are very inclusive, which provides piano learners with all kinds of resources, but also provides great convenience for learners. Learners can search network resources for piano practice according to their own shortcomings. Network resource is a very resource carrier, carrying a lot of information. It provides a lot of resources for piano playing learners. At the same time, it also provides great convenience for learners. With the continuous integration of network technology and various industries, online live programs with various themes appear on the network. Students can pay attention to some live broadcast platforms with piano learning and performance as the content, and comment and learn the performance of their works. Through the network technology platform, learners can look up and search the problems that they don't understand and the mistakes that are easy to produce in piano, and further draw correct conclusions. The convenience brought by this network improves the efficiency of piano learners. Thus, through the effective application of network resources, it provides great convenience for students' autonomous and targeted learning.

4. Conclusion

The development of modern information technology, the support of network platform and the organic integration with multimedia provide an effective platform for piano teaching and playing. The application of multimedia technology and network technology in piano teaching and performance has further promoted the improvement of piano performance level and provided more guarantee for the smooth progress of piano teaching. As far as teachers are concerned, they should pay attention to and be good at tapping the value of multimedia and network technology in piano teaching, so that they can give full play to their role in class. Multimedia network technology provides a new development direction for piano education performance, injects more fresh blood and vitality, and can effectively promote the innovative development of piano education in China. For students, they should also make good use of multimedia and network resources in their daily study and life, so as to deepen their understanding of piano knowledge and promote their mastery of playing skills. Advanced network technology and multimedia are conducive to improving students' understanding of piano performance, cultivating students' appreciation ability and love for piano art, improving students' music appreciation level and improving students' learning efficiency.

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