

## Application of Information Technology in Piano Teaching

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**Abstract:** General Secretary Xi Jinping pointed out that efforts should be made to build an education system that comprehensively cultivates moral, intellectual, and artistic education, and form a higher-level talent training system. Under the guidance of General Secretary Xi Jinping's remarks, China's education reform has been further advanced and the teaching level has improved significantly. This paper introduces the application significance of information technology in piano teaching, and puts forward relevant suggestions for the specific application of information technology in piano teaching.

### 1. Introduction

The reason why China's education cause has achieved remarkable achievements lies in the correct leadership of the Party Central Committee with Comrade Xi Jinping as the core, and the scientific guidance of Xi Jinping's socialist thought with Chinese characteristics in the new era. In today's society, information technology has created a good environment for piano teaching. The application of information technology in piano teaching can strongly break the limitations of traditional teaching mode, improve the teaching environment and stimulate students' interest in learning.

### 2. Application Significance of Information Technology in Piano Teaching

Education is a century-old plan, the foundation of the country, the application of information technology in piano teaching can further expand the advantages of science and technology teaching, and at the same time, it can also enhance the level of piano teaching in China. The following is the application of information technology in piano teaching. First, at this stage, the application of information technology in China has gradually expanded, which has greatly changed people's way of life. The application of information technology in piano teaching can effectively improve the teaching level, improve the teaching environment, and respond to China. The second is to fully integrate information technology with the traditional methods of piano teaching, which can effectively strengthen educational methods, deepen the purpose of education, and create a strong artistic and technological atmosphere in teaching, which can effectively expand students' subjective thinking is an effective way to cultivate innovative talents. Third, if information technology is to play its due advantage in piano teaching, the teaching level of educational talents must be improved. Xi Jinping emphasizes that building a socialist modernization power must be directed to teachers. Team building proposes new higher requirements, and it is also necessary to re-education of the whole party and the whole society. Higher requirements of the application of information technology in piano teaching can effectively drive the pace of the construction of the teaching team. Fourth, in recent years, the application of information technology in China has gradually expanded, and the application of information technology in piano teaching can help students. Establishing a solid application foundation of information technology has improved the application level of information technology for students to a certain extent, and prepared for the future development of students. Therefore, the application of information technology in piano teaching is very effective and necessary, and relevant departments should strongly support it.

### **3. Application of Information Technology in Piano Teaching**

#### **3.1. Optimize the piano teaching environment**

At this stage, China attaches great importance to the improvement of the teaching environment. Piano teaching can effectively cultivate students' artistic quality, improve students' aesthetic level, and integrate information technology with piano teaching is the key to improving teaching effectiveness and deepening teaching objectives. The application of information technology can effectively optimize the piano teaching environment. The following examples are given: In the process of piano finger teaching, relevant personnel can reasonably apply information technology and related equipment, and play the Hannon piano finger exercises before class. The relevant tracks in the exercises actively create a fingering practice atmosphere in the classroom. Students can also use the Internet platform to download their own fingering practice track resources in the classroom for independent practice. The application of information technology has greatly improved students' enthusiasm for fingering practice, and further expanded the effect of piano teaching. Therefore, the application of information technology in piano teaching can effectively optimize the educational environment and stimulate students' enthusiasm for learning. Expanding the application effect of information technology in piano teaching is an effective way to improve the teaching level, and can obviously accelerate the implementation process of modern education in China. Therefore, relevant personnel should attach great importance to the application of information technology in piano teaching and explore the optimization of teaching environment. Related path [1].

#### **3.2. Update teaching props**

Under the background of the new era, socialist modernization, the promotion of all-round human development and the overall progress of society have put forward new and higher requirements for education and learning. Under the correct leadership of the Party Central Committee with Comrade Xi Jinping as the core, China's education has achieved the gratifying results have significantly increased the level of talent reserves. In the aspect of piano teaching, the application of information technology can update teaching props and create a good modern teaching environment. The following examples are given: With the advent of the era of economic globalization, exchanges between countries have become more frequent, domestic art is also more and more. The atmosphere is very strong, and the piano learning boom is soaring. In the piano teaching, the piano is the main prop, and the learner needs to practice the piano to improve the operation level of the piano. Currently, the application of information technology has created the related portable phone. The phone can be fully applied in the classroom, expand the teaching scale of the piano classroom, solve the problem of students' piano practice, and apply this kind of piano teaching props to effectively expand the influence of piano teaching. It is the comprehensive embodiment of information technology advantage in piano teaching. It can be seen that information technology can effectively support the continuous teaching of piano teaching, and it also has outstanding performance in updating teaching props [2].

#### **3.3. Application of micro-teaching teaching mode**

Micro-curriculum resources refer to the use of information technology to present fragmented learning content, processes, and structured digital resources in accordance with cognitive rules. The micro-curriculum teaching model has demonstrated strong advantages in the teaching of various disciplines, further demonstrating. The charm of modern teaching, micro-teaching teaching has the characteristics of refinement and pertinence, which can effectively solve the teaching problems. The following introduces the application of micro-teaching teaching mode: in the teaching of "Kannong" piano music, teachers can first download the micro-curriculum resources on the Internet platform, and organize these micro-curricular resources to make them more suitable for the classroom teaching environment. Then, in the formal teaching, the micro-teaching teaching resources will be displayed to the students, effectively emphasizing the teaching focus and teaching specificity. After the formal teaching is finished, the difficulties encountered in the teaching process

can be summarized. Students are required to download the micro-curricular resources on the Internet for targeted learning according to the teaching difficulties. In the piano teaching, the rational application of the micro-teaching mode can fully demonstrate the advantages of information technology, effectively improve the students' independent learning ability, and cultivate the overall quality of students. The micro-curriculum resources based on information technology and Internet platform fully expand the application of information technology in piano teaching, and can expand the students' musical vision, which is conducive to the long-term development of students' music career [3].

### **3.4. Application of multimedia teaching props**

Education is an important cornerstone of national rejuvenation and social progress. It is a modern political project that is conducive to the future. China has carried out a comprehensive supply of teaching facilities in various universities. Multimedia teaching props have become a common prop of teaching in piano teaching. The application of multimedia teaching props can highlight the modern charm of information technology. The following is an example of the application of multimedia teaching props: piano fingering teaching is the key point in piano teaching, and it is also the main difficulty for students in piano learning. The fingering level of piano also determines the development prospect and development space of students' music, so the piano fingering standardization of teaching is very important. Relevant teachers can download the basic fingering practice video on the Internet and display it comprehensively on the multimedia teaching props in the teaching class. By watching the fingering practice video, students can have a deep understanding of the fingering of the piano and imitate and learn the correct piano fingering in their own practice to achieve the purpose of piano fingering practice. The application of multimedia teaching props in piano teaching can effectively improve the teaching effect, and solve the problem that students' fingering is not standard from the perspectives of hearing, vision and touch.

### **3.5. Music software teaching**

In recent years, China's economy has developed well, and the universal popularity of intelligent mobile terminals has also spawned the emergence of intelligent apps. The research on related intelligent apps has gradually become more diversified and complicated, and the piano music app has achieved remarkable research and development effects. In the piano teaching, the piano music app software can be effectively applied to improve the teaching effect and improve the teaching environment. The following examples are given: rhythm teaching is very important in piano teaching, and teachers can be used in many piano music apps. Reasonable choice of rhythm practice software, in the piano teaching for students to reserve time for learning with piano music app to improve students' rhythm mastery. In addition, some piano music apps can also supervise the students' piano practice process. Students can connect the piano to the piano music app during piano practice. The piano music app can score the students' piano practice and effectively motivate the students. Piano practice behavior, promote the continuous practice of students' piano practice, and significantly improve the level of students' piano performance. Therefore, the piano music app is very worthy of reference and application in piano teaching.

## **4. Conclusion**

In short, the current needs of the development of party and state careers, the need for scientific knowledge and the need for outstanding talents are more urgent than ever. The application of information technology in piano teaching can effectively improve the effect of piano teaching and deepen the teaching of music. The purpose is to respond to the call for education reform in our country.

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