

# The Influence of Intelligent Piano on Piano Teaching in the Future

Lijun Yang

School of Music, Shanxi University, Taiyuan, Shanxi 030006

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**Abstract:** With the development of science and technology, intelligent piano has gradually entered people's field of vision. In recent years, with the accumulation of time and technological revolution of intelligent piano, many new functions have been added on the original basis, which can further innovate teaching mode and teaching form, promote the popularization of piano learning, and become an important tool for piano teaching in the future. Based on this, this paper focuses on the three aspects of improving students' interest in learning, improving students' comprehensive ability, and improving students' after-school learning efficiency. After analyzing the advantages of the current intelligent piano in the future piano teaching, it also discusses in detail what impact the emergence of intelligent piano has on the future piano teaching, and what impact it will have on the teaching activities carried out by teachers, it is hoped that the influence of intelligent piano on piano teaching can be analyzed from the development of intelligent piano, so as to better play the role of intelligent piano.

**Keywords:** Intelligent piano; Piano teaching; Influence

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With the development of science and technology, intelligent piano plays an increasingly important role in piano teaching. It is the product of traditional piano and modern technology, but it only stays in educational institutions and does not really enter school education. To this end, this paper focuses on the analysis of the advantages and influence of intelligent piano in the future piano teaching, hoping to provide reference for teachers to measure whether to use intelligent piano in the teaching process.

## 1. Advantages of Intelligent Piano in Piano Teaching in the Future

### 1.1 Improve Students' Interest in Learning

Smart piano can effectively improve students' learning enthusiasm. Smart piano is a relatively unique teaching method, which is attractive to children who rarely come into contact with this teaching method. Most of the intelligent piano classes are carried out in the form of collective classes. This teaching mode can effectively promote the learning and communication between students and avoid the problem of teachers unilaterally transmitting information to students in the process of communication between teachers and students. It can provide opportunities for students to discuss with each other, so that students can transmit information to students, and teachers and students can also transmit information. In the process of large class, teachers can further explore students' interests and difficulties, teach students in accordance with their aptitude, and then promote the smooth development of piano teaching activities. For example, in the collective teaching process of intelligent piano, teachers can try to hold some rich and varied piano performance

performances, etc., so that students and students can learn from each other, communicate with each other, learn from each other, and then enable them to understand the learning progress of other students. In addition, it can also allow them to communicate and exchange after class, learn from each other's learning experience, overcome their fear in the stage, and experience the sense of accomplishment of learning piano.

## **1.2 Improve Students' Comprehensive Ability**

There are a lot of materials learned in the database of intelligent piano, and the amount of information is also very large. Nearly 200000 piano scores and playing videos of famous musicians from various countries have been saved. Students can easily find the scores they want to practice by using relevant APP, and they can also know what the performance of famous artists is before they really learn<sup>[1]</sup>. Through browsing the explanation of words, animation videos and other ways, students have a certain understanding of the way of playing. In addition, intelligent piano can also help students understand the creative background and musical characteristics of works, deepen students' cognition and understanding of different composers, and enable students to grasp the styles and genres of different composers. In addition, the intelligent piano can not only find the part of the piano in the band performance for the performer, and let the students play the part of the piano alone, but also allow the students to use the operator and controller of the intelligent piano to carry out personalized operation according to their own grasp of the music, so that they can change the intensity and speed of the sound, and then realize the innovation of music. In addition, students can also choose the type of work, try to perform ensemble with the band, grasp the meaning of the piano in the ensemble process during the ensemble process, and improve the students' comprehensive cooperation ability.

## **1.3 Improve Students' After-school Efficiency**

In the process of traditional piano teaching, students need to study at a fixed learning time and a fixed learning place. The frequency of face-to-face classes between teachers and students is about once a week or twice a week. However, outside the class time, most students do not have enough time to communicate with teachers, and there is no way to give timely feedback to teachers on the problems encountered by students during after class exercises, so that teachers can solve them in time. When students have the opportunity to ask the teacher questions, they will find that a lot of knowledge has been missed. Therefore, this will lead to the efficiency of after-school exercises not being effectively improved. In addition, if the students' mistakes in the practice process are corrected in class and the students' questions in the practice process are answered, the learning progress of the next class will be delayed and the teaching effect will be reduced. However, some lower-grade students have poor self-control and parents do not have time to supervise the students, thus there are many problems of insufficient practice time and contact frequency, which makes it difficult to effectively improve the current after-school teaching effect. However, piano intelligence can effectively avoid the occurrence of such problems, enabling students to use intelligent piano to independently carry out learning, solve their own questions in after-school learning, and overcome learning difficulties through repeated exercises.

# **2. The Influence of Intelligent Piano in Piano Teaching in the Future**

## **2.1 Innovative Teaching Mode**

As a new teaching method, intelligent piano can effectively make up for the shortcomings of traditional piano and traditional piano. At the same time, intelligent piano also has its specific shortcomings, which can be made up in the traditional piano teaching process. Therefore, traditional piano and intelligent piano can effectively make up for their respective shortcomings and give full play to their respective advantages. This enables future piano teaching to meet the multi-level needs of learners by learning from each other and combining with each other<sup>[2]</sup>. For example, for some preschool children, teachers can let students accept traditional piano teaching to improve their piano performance ability on the basis of letting students carry out teaching with the help of intelligent piano. In detail, when some parents let students learn piano, they only want students to cultivate their interest in learning and cultivate their sentiment. They do not want students to really take piano as their business. Therefore, most parents consider that teachers can effectively combine with intelligent teaching when carrying out teaching activities, and play the role of intelligent piano teaching in improving students' interest in learning, avoid monotonous and boring traditional piano teaching stifles children's interest in piano. However, when students have a strong interest in piano learning, teachers can let some students who have mastered the basic learning methods participate in traditional learning through traditional piano teaching, so that students' skills can be improved through repeated practice. In short, the integration of intelligent piano into piano teaching can further innovate the teaching mode, so that teachers' teaching mode can be applied to different situations, truly improve students' learning ability and promote the development of piano education.

## 2.2 Popularize piano learning

In the process of traditional piano teaching, learners often need to buy a variety of piano scores and high-priced pianos. This high learning cost will naturally discourage some students from learning piano. Even some students who are willing to learn and have talent for piano will be forced to give up because of the excessive cost. And some just want to try whether they are interested in piano learning, and they will feel that the piano consumes too much cost. Even if they are not interested in the piano, they must be forced to learn, which will lead to the loss of piano learning. Meaning<sup>[3]</sup>. However, intelligent piano can effectively and effectively make up for this problem in the traditional piano teaching process, so that students can use a relatively low cost to carry out piano learning, thus reducing the threshold of learners, so that more people are willing to pay a certain amount of trial and error cost for learning piano, to avoid the situation of giving up learning piano because of cost problems. In addition, by introducing intelligent piano into the current piano teaching process, students can also carry out autonomous learning according to their own time arrangement and their own acceptance progress, making it more convenient for students to learn in the process, thus better improving the popularization of piano education and avoiding similar problems such as not having enough time to learn piano and giving up piano learning. In addition, traditional piano teaching is relatively boring, and intelligent teaching can reduce the boredom of piano learning, so that students can find a variety of learning resources from the network, play some music games, and then meet the needs of students for independent learning piano skills at the same time, making piano learning more interesting, no longer so boring. In short, the introduction of intelligent piano into piano teaching can further promote the popularization of piano, making more and more people willing to try piano, learn piano and get rid of the fate of art that very few people can learn.

### Conclusion:

To sum up, as a new technological product, intelligent piano has developed rapidly, and its advantages and disadvantages will gradually emerge over time. Therefore, it still takes time to investigate whether to use smart pianos on a large scale in the future and how to use them to play the role of smart pianos. As educators, we naturally need to shoulder our own responsibilities.

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### About the author:

Lijun Yang (1979-); Gender: female; Nationality: Han; Highest educational background: master's degree; Title: lecturer; Research Direction: Piano Performance and Teaching Theory Research