Reconstruction of College Piano Teaching Model from the Perspective of "Internet +"

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Abstract: As an important course for music majors in colleges and universities, piano lessons need to enable students to master the theoretical knowledge of piano and form certain playing skills. Relying on the Internet +, reconstructing the piano teaching mode will help improve teaching efficiency and quality. This article first discusses the connotation characteristics and teaching functions of internet +, and then examines the current deficiencies in piano teaching from the perspective of internet +. Finally, it proposes strategies for restructuring the piano teaching model, hoping to provide reference for college piano teachers.

Keywords: colleges and universities; piano teaching; internet +; teaching mode; reconstruction

1. Introduction

In recent years, internet + has made great progress. It played a significant role in many traditional industries, promoted the transformation and upgrading of traditional industries, and created many new business forms.In the field of education, more and more educators are beginning to pay attention to the internet + transformation of educational activities, trying to build a new form of "internet + education". And for piano teaching in colleges and universities, the penetration of internet + can help teaching activities, break through the limitations of the current teaching model, and further expand the space for piano teaching. Therefore, piano teachers need to strengthen research on this and reconstruct the piano teaching model from the internet + perspective.

2. The Connotation, Characteristics and Teaching Function of Internet

2.1 Connotation characteristics

The concept of internet + first appeared at the Fifth Mobile Internet Expo in 2012. In 2015, the State Council issued the "Guiding Opinions of the State Council on Actively Promoting the 'internet +' Action", which provided specific guidance on the development of internet +. In 2020, the State Council's government work report clearly pointed out that the "internet +" should be comprehensively promoted. It can be said that internet + has become an important goal of strategic development at the national level. There is currently no uniform academic definition of internet + in the academic world. Regarding its connotation, the general view is that internet + refers to the combination of traditional industries and the internet, and the development of new format. For example, the combination of catering and the internet has created a new format of food delivery; the combination of education and the internet has created a new form of online education.

The development of internet + over the years has shown remarkable characteristics in many aspects: First, cross-industry integration. Internet + not only provides a channel for traditional industries to integrate and upgrade with internet,

but also builds a bridge of communication between different industries, providing a foundation and guarantee for the integration of different industries. The second is people-oriented. The development of internet + requires users to be the core subject, paying attention to their experience and feelings. Only when they are recognized by users can they have the corresponding development potential and space. The third is the Internet of Everything. Internet + is not purely aimed at the transformation and development of traditional industries, but also provides a foundation for interconnection of various people and things, so as to achieve the state of interconnection of all things.

2.2 Teaching function

For professional education in colleges and universities, the integration of internet + into teaching activities can play a significant role in teaching, so professional teachers in colleges and universities need to form an understanding of it. First of all, internet + can effectively expand teaching content, break the limitations of textbooks, and allow students to be exposed to the latest and most cutting-edge knowledge. The knowledge content carried in the textbooks has a certain lag and is out of touch with the current social development. However, the latest professional knowledge can be introduced based on the internet + channel to teach students and make them understand and master. Secondly, the penetration of internet + contributes to the innovative construction of teaching methods. Internet + is not a fixed form, it is more of a concept, and there are many different channel choices to realize the combination of internet + and teaching. Therefore, optimizing teaching based on different channels can achieve effective innovation in teaching methods, build a diversified teaching model, and bring students a better learning experience. Finally, internet + can break the restrictions of the classroom and promote the outward expansion of teaching activities. In piano teaching in colleges, teaching activities are largely confined to the classroom, with few extracurricular learning activities.While based on the internet + channels, a corresponding online learning platform can be built to transfer piano learning activities to online, and guide students to participate in learning outside of class, thereby forming a second classroom.

3. Reflection on the Problems of College Piano Teaching from the Perspective of Internet

Obviously, internet + can bring positive effects and help to professional teaching in colleges and universities. However, a review of piano teaching in colleges and universities under the internet + vision shows that there are still some problems in the current teaching activities that need to be paid attention to.

3.1 Lack of online teaching

The development of online teaching under the internet + perspective has become a major mainstream trend. In 2020, affected by special factors, all major colleges and universities across the country have adopted online teaching methods for a period of time to maintain the normal development of teaching activities. However, after students return to normal teaching order, online teaching was gradually abandoned, and teaching activities were transferred to traditional classroom teaching again. In terms of the long-term development of educational activities, online teaching is an inevitable trend, and it is necessary to establish a long-term online teaching mechanism from now on. But in college piano teaching, online teaching is currently in a state of lack, and teaching activities are still based on traditional classroom teaching, which is not in line with the long-term development trend of educational activities under the internet + vision.

3.2 Insufficient extracurricular learning

One of the major teaching functions of internet + is to provide extracurricular learning space for teaching activities, build a second classroom, and extend classroom teaching activities to achieve better learning results. For piano teaching, students not only need to form an effective grasp of theoretical knowledge, but also need to develop certain piano playing skills. Obviously, it is difficult to achieve these teaching goals only by relying on classroom teaching. In addition, it requires students to make more use of their extracurricular time and carry out independent learning outside of class.

However, the current piano teaching provides insufficient extracurricular guidance for students. With a lack of practice between the two, teachers neither guide students' extracurricular study nor interact with students outside of class, and students' extracurricular study is completely in a laissez-faire state, causing many students did not spend time studying seriously outside of class, which led to poor overall piano learning results.

3.3 The combination of internet + is not enough

From the perspective of internet +, piano teaching in colleges and universities needs to focus on the combination of internet +, build a new model of internet + teaching, and rely on the advantages of it to update and upgrade the teaching content and teaching methods of piano teaching. However, judging from the actual development of piano teaching in colleges and universities, its combination with internet + is not enough. In classroom teaching, teachers have not much penetration of internet +, no matter in terms of teaching content or teaching methods, causing the piano teaching activity is still in the more traditional pattern, and the overall teaching effect is not high. At the same time, it also causes the lack of interest in piano teaching, and is difficult to stimulate students, which leads to low enthusiasm for learning.

4. Reconstruction of College Piano Teaching Mode Based on Internet +

In view of the current problems of piano teaching in colleges and universities under the perspective of internet +, piano teachers need to grasp the connotative characteristics and teaching role of internet +, and rely on it to carry out innovative construction of piano teaching and create a new teaching model, so as to improve the effectiveness of piano teaching.

4.1 Construct online teaching for piano lessons

Online teaching is a new point that needs to be paid attention to in piano teaching in colleges and universities from the perspective of internet +, and is also the future development direction of teaching activities. Piano teachers should form an understanding of it and adopt effective measures to actively construct an online teaching model for innovative piano teaching. First of all, the construction of online teaching platform. The realization of online teaching requires a corresponding online teaching platform as a foundation. And the construction of online platforms can be achieved through two channels. On the one hand, we can use ready-made online lesson platforms, such as Tencent online lesson, NetEase online lesson, micro-class, etc. These ready-made online lesson platforms already have basic teaching functions and can be used directly. On the other hand, we can combine the characteristics of piano teaching and independently build an online teaching platform to make it more in line with the needs of piano teaching. Second, the implementation of online teaching. After building an online learning platform, it is also necessary to implement teaching through the online platform. Specifically, teachers should prepare the online courseware for piano teaching in advance, and display it on the online platform to guide students to study. At the same time, teachers should use online platforms to explain to students so that they can master relevant knowledge. Finally, the long-term construction of online teaching. It is necessary to take out part of the class hours every week to adopt the online teaching mode to maintain the combination of online teaching and offline classroom teaching, so as to achieve coordinated development.

4.2 Guide extracurricular learning based on internet channels

Under the guidance of internet +, piano teaching in colleges and universities also need to pay attention to the guidance of students' extracurricular learning, which needs to rely on internet channels to build an extracurricular learning platform. Specifically, we can rely on the WeChat platform to design a piano learning applet based on the functions of the WeChat applet. In this small program, different functions such as pre-class preview, after-class review, piano reading, data query, self-assessment, piano game, etc. are set up, and students are guided to carry out extracurricular learning. For example, before teaching related theoretical knowledge, teachers could design a preview micro-class in advance and publish it in the

learning applet, and guide students to log in to the applet through WeChat and watch the micro-class to achieve pre-class preview. Besides, after classroom teaching, teachers could set up a piano playing game in a mini program, so that students can exercise their piano playing skills through mini games and become familiar with music scores. In addition, teachers can also summarize the course knowledge, design review materials, and upload them to the mini program, allowing students to conduct independent reviews outside of class through the WeChat mini program.

4.3 Deepen the combination of classroom teaching and the internet

From the internet + perspective, piano teaching in colleges and universities also needs to deepen the combination of classroom teaching and the internet, and rely on the internet to achieve innovation in classroom teaching. First, it is possible to expand the introduction of piano materials based on internet channels to supplement and expand classroom teaching content. There are many piano-related materials on the internet platform, such as scores, performance videos, and so on. These materials can be introduced in the classroom to supplement the teaching content and enable students to master relevant knowledge more comprehensively. Second, smart devices can be used to innovate teaching methods. Under the internet +, many intelligent devices have appeared. And these devices can be used to innovate teaching methods in piano teaching. For example, you can use a smart screenless projector or a VR device to construct a piano playing situation, and guide students to start learning in the situation to deepen the experience.

5. Conclusions

Piano teaching in colleges and universities needs to realize model reconstruction in the internet + era to improve the effectiveness of teaching activities. In specific practice, it is necessary to build an online teaching model based on the internet + concept, expand extracurricular learning and deepen the combination of teaching activities and the internet, and take multiple measures to make piano teaching reach a higher level.

Conflicts of Interest

The author declares no conflicts of interest regarding the publication of this paper.

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