The Role of Computer Music Technology in Improving the Quality of Music Teaching in Preschool Majors

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Abstract. The rise of computer technology has brought unprecedented opportunities for the development of music teaching, so that both music teaching and music learning have been improved efficiency and reduced difficulty. This paper explains the concept and development of computer music technology, and then analyzes the necessity and characteristics of music education in pre-school specialty. Finally, it elaborates the important role of evil in improving the quality of music teaching in pre-school specialty for the reference of people engaged in relevant teaching, learning and research.

Keywords: Computer, Music Technology, Professional Music Class

1. Introduction
Computer music, which originated in the 1980s, is a popular form of music, which is the product of the combination and gradual development of modern electronic technology, computer technology and electronic audio processing equipment and music [1]. Through the long development, the music computer has changed the traditional idea and the education method in the music field, has brought the severe challenge to the traditional music production, the music teaching and the music creation. Combining with the characteristics of event separation in information technology, the students of preschool teacher's specialty present many attributes in music sound, which enables us to deal with each element of music separately [2]. It can be seen that applying computer technology to school music teaching cannot only change many kinds of problems in traditional teaching, but also improve teaching efficiency and teaching effect. The following is a detailed analysis of this issue.

2. Computer music overview

2.1. Definition
Computer music technology, as its name implies, is a kind of control through the computer terminal,
relying on the computer's digital audio technology and multimedia man-machine interaction technology information exchange, mutual control function, and then through electronic instruments for audio terminal to make music form, as shown in figure 1. Computer music technology is widely used in music creation and music performance [3]. It is the crystallization of the joint action of music art and modern science and technology. Our country's computer music technology mainly introduces the foreign advanced technology therefore starts late, the development speed is quite slow, until the beginning of the 21st century our country's computer music technology has not emerged, gradually has been introduced into the music art every aspect, especially has obtained the quite remarkable achievement in the music teaching domain[4]. Computer music technology combines the advantages of high-speed, high-efficiency and diversity of this high-tech product to help teachers create a wonderful music learning environment.

![Diagram of computer music playing system]

**Figure 1. Schematic diagram of computer music playing system**

2.2. Development status
Computer music is a new subject, which has been popularized and applied in college education in our country through continuous development. According to the data, music majors in national colleges and universities have offered computer music courses to varying degrees, which plays a key role in promoting technical teaching[5]. But for some teachers and the hardware condition immature school also opens this course, therefore this teaching method is important. However, it should be noted that through this way to teach students, mainly to teach students software, this way must be practiced, otherwise students will soon forget the specific operation process, teaching work is equal to waste. Therefore, in the current enrollment scale of colleges and universities gradually expand today, the corresponding teachers are also gradually improving, parents are also more and more demanding.

3. Music education in preschool

3.1. The necessity of music teaching in preschool
Is it necessary for computer music production courses to be offered in preschool education? Does it work? Is it feasible? How to build it? The former education because of the condition of education, the student's book theory is many, but lacks the actual hands-on ability, the comprehensive quality is not
high, with the social progress, the request to the talented person is also increasing, the dead reader has been unable to adapt to the needs of the society. The modern society came into being being the product of computer music production curriculum from the perspective of music [6]. Take the computer as the planting body, arouses the student's study enthusiasm to the maximum extent and exercises the student's practical ability very well. To improve their understanding of things, this is not the essence of education? Computer music production courses were first offered in very professional music colleges. The demand for music production is high, and the way of transmission is very narrow. So it's covered in mystery. Yet in recent years, the rise of online pop music has allowed more music lovers to create a lot of very personal music. The traditional concept of music has been strongly impacted. More non-professionals have entered the field of professional music. And in the strong enthusiasm to change the mode of development of music and in this general environment, music courses account for a large proportion of preschool education majors. This more advanced tool can also be used to strengthen their professional construction, and make its development more epochal, creative.

3.2. Characteristics of professional music pre-school teaching
The characteristics of music teaching in preschool education are mainly reflected in the following aspects: first, the music teaching of preschool education majors requires a high level of theoretical and practical teaching. In order to meet the needs of the society, teachers should take the two as the main content of teaching. Second, the music teaching of preschool education majors requires higher aesthetic ability of students. In the process of teaching, teachers should also pay attention to the cultivation of students' aesthetic and appreciation ability to improve their musical literacy. Third, the music teaching of preschool education major requires more flexibility in teaching methods. The music course itself belongs to the higher artistic value course, such as the teaching method is too single, it is easy to influence the students' learning enthusiasm and interest. Figure 2 shows the score editor for computer music technology.

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![Figure 2. Editor for computer music technology](image)
4. The important role of computer music technology in improving the quality of music teaching in preschool

4.1. Promoting quality education with rich teaching means
At the present stage, the computer internet technology is developing and popularizing, and the reference and development of computer music technology is no longer the scale of the previous small and noisy, it has gradually integrated into the daily life of ordinary people, entered the hall of music education in colleges and universities, gradually innovated the traditional and backward teaching ideas and teaching mode, and established a firm foothold in music classroom teaching. In today's quality-oriented education, computer music technology is such a platform for students to display their talent, improve themselves, in this platform based on the Internet and high-tech, students can grow to adapt to the trend of the social era, very rich personality and innovative spirit of the overall quality of music talent.

4.2. Improving the utilization efficiency of teachers and enhancing the training of musical talents
With the continuous popularization and application of computer music technology, music educators themselves have to improve their music teaching ability and master the use of computer music technology and teaching skills. Therefore, music educators do not need to constantly improve themselves, catch up with the pace of development of the times, keep pace with the times, and gradually build themselves into qualified music talents and music educators.

4.3. The use of information technology is more conducive to aesthetic ability
Aesthetic ability is an important teaching goal of music curriculum standard, because human aesthetic ability is not born. It is gradually cultivated in aesthetic practice. Students' body and intelligence are in the development stage at this time is the key period to improve the aesthetic ability, to carry out aesthetic education to enlighten students' aesthetic ability plays an indispensable role in the all-round development and lifelong development of students. Teachers should make good use of information technology to enlighten students' aesthetic ability. Teachers can use information technology in the classroom to create aesthetic situation first, then let students aesthetic experience, and finally stimulate students' inspiration to create beauty.

4.4. Significantly improve the efficiency and quality of music teaching
The teaching of singing and music appreciation in music teaching, although it can be used to cultivate students' character sentiment through preaching, the purification of thoughts and feelings and the norms of moral behavior, but it is not as good as using music courseware to demonstrate the teaching content, so that students can enter the scene of competition, be infected and educated. The melody of music is the carrier of fantasy world. It is full of rich and colorful poetic and picturesque, only through fantasy and imagination can come to its territory, some viewing and understanding. Music teachers should use the moving artistic image of music to cultivate children's hearts, to enrich their spiritual life, to enlighten their good ideas, but also to set up a fantasy ladder for children. Before class, the teacher should carefully select the music material that can arouse the children's fantasy, grasp the conception of the work, use the child's angle of view, excavate the beautiful scenery in the child's heart
through the light of the child's heart, and bring the children into the fairyland of fairy tales. Music teaching as well as other subjects have blackboard design and appropriate exercise. If we write these contents on the computer when preparing lessons, we can reduce the time of blackboard writing in class, increase the teaching capacity and complete more teaching tasks. Because information technology education sound and painting, audio-visual combination, through scene reproduction, can stimulate emotion and interest, enrich emotion, maximize the mobilization of students' various senses to participate in teaching activities.

5. Conclusions
The computer music technology enters the preschool music class, reduces the teacher's blackboard writing, makes full use of the classroom teaching time, at the same time, the colorful picture of the sound brings the music to another kind of artistic conception, gives the student a fresh and vivid classroom environment, is more suitable for the preschool student's psychological and physiological development characteristic, not only can arouse the student's participation enthusiasm, but also enables the student to enter the professional music entry knowledge in the relaxed and pleasant atmosphere, trains the music comprehensive ability. The computer will play an irreplaceable role in music preschool teaching, which is worthy of our good thinking and research.

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