Application of Integrating Computer Technology with Music Teaching in the New Media Environment

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Abstract. Computer technology has paved the way for a country’s modernization. Under the leadership of the central government, the “Internet +” national strategy is deeply rooted in the hearts of the people. At the same time, in the context of computer technology, music classrooms and teaching methods have also changed. New music teaching methods have appeared in the infinite development of Smart Class as they have broken the traditional method of music teaching in the classroom and arranged the relationship between music teachings. This paper analyzes the unique advantages and problems of introducing new music teaching into the intelligent teaching environment, and puts forward some suggestions and solutions. I hope that more people in the field of music education can keep up with the times and make full use of new network technologies, thereby rapidly improving traditional teaching methods, improving teaching efficiency, and increasing the number of music talents in China.

Keywords: Internet +, Smart Class, Music Discipline, Teaching

Introduction
The development of computer technology has led to the reform of teaching methods. Since silent films and recordings are used for education, modern teaching media has become one of the most important tools for music teaching. Their common advantage is that they have a lot of audiovisual information, which is more attractive than chalk + blackboard. The use of modern educational technology, that is, computer technology, has enriched the content of our classrooms, greatly expanding the breadth. And, this has changed the image of traditional inelastic education and made teaching more active. Through multimedia, students can truly feel teaching content, which our teachers cannot achieve regardless of the image language described.[1] At the same time, modern information technology has brought rapid development of network technology. Network resources have broken the road to gaining knowledge from teachers. The interconnectedness and interaction between para-culture and wood technology undermines the one-way status of teaching.

The current computer technology education has impacts across various fields, including the development of digitalization of music classrooms, multimedia teaching, interactive courses for personal music, online interactive music, performance and learning technology. Information technology related to education reform is rapidly developing. And computer technology has played an important role in the reform of music education. As a modern teaching method, multimedia teaching
technology is no longer limited in time and place. Through computer technology, all types of objects can be expressed intuitively, which can show the entire process of development and movement. In this way, students can easily obtain clear content that is unimaginable in traditional teaching, and through the audio, video, and projector in the multimedia teaching system, they feel that they are in the middle.

So far, computer technology has penetrated into all areas of human work and life. With the continuous development of computer technology, music teaching in intelligent classrooms has become a new form of teaching institutions, and the practice of music teaching and theoretical research has gradually formed. Schools must use smart discipline-related skills to teach smart lessons. This puts forward new requirements for enriching classroom content, improving teaching quality, and analyzing the status of new music teaching. And this creates a broad way for the future development of music education.

I. Necessity of Applying Computer Technology in Music Teaching
In music teaching, computer technology plays an indispensable role. First, incorporating computer technology into music teaching makes teaching rich and diverse. As a result, teachers dominate the classroom, students passively accept the transition to teaching mode, and the classroom actively participates in student self-learning. Second, computer technology can also enrich music teaching content.[2] Traditional music teaching mainly focuses on audio transmission, which can easily cause students to be uninterested due to fatigue. Incorporating computer technology into multimedia resources, including videos, wall charts, post-game music and audio, enables students to influence various senses, thereby effectively absorbing students’ attention. Finally, computer technology can be used to invent teaching methods. In traditional music teaching, teachers mainly use chalk, blackboard and books for teaching. There is no doubt that the use of computer technology has opened “windows” for students to let them understand the world and explore nature more intuitively through rich multimedia resources. Therefore, music teaching must be properly integrated. Computer technology enables students to learn more effectively.

II. Advantages of Music Teaching at Smart Class in the Context of Computer Technologies
The information age has brought new challenges to music education. In the context of computer technology education, the teaching situation of traditional classrooms cannot meet and satisfy the different needs of students. In terms of computer technology, schools have been a new model of learning and exploration since 2013.[3] Through teacher-student interaction, teachers always pay attention to the same discipline. Since 2016, teachers have also begun to use technology in music science, discover the use of smart tablets, actively mobilize students to learn, and actively explore the effectiveness of students’ learning of music. Teaching practice shows that the development of music education in a happy classroom has entered a new stage. The specific benefits of teaching are reflected in the following:

2.1 It is Conducive to Cultivating Students’ Independent Learning Ability and Stimulating Students’ Interest in Learning
Due to the pressure of higher education, students bear a relatively heavy burden from coursework at school. Therefore, the current duration of the course is difficult to meet the needs of obtaining music. Students can watch videos through school or home music learning network at any time to have a certain understanding of the corresponding content of the new curriculum, which can greatly improve the learning effect and effectiveness of the new classroom. Therefore, students’ independent learning ability has improved significantly.[4]

The introduction of new music teaching in wisdom teaching breaks the traditional music teaching mode and gradually transforms teaching music from simple and rich education to the interpretation of professional knowledge content. This is also a good change from passive learning to active learning, which can stimulate students’ interest in learning and help develop independent learning abilities.
2.2 It is Conducive to the Continuity and Consolidation of Music Learning
In the traditional teaching mode, the basic mode of a music classroom is simple preaching. Although this teaching mode guarantees timely communication in the classroom, it neglects the continuity and consolidation after the class, so it often shows the teaching effect with less effort. Teachers can use short video productions to make specific analysis and introduction to the origin, aria, and Facebook, upload tablets, ask students to carefully watch and ask questions after class, and share them with students in the next class.[5] The author found that through this mode, students not only have a process of consolidating learning after class, but also can strengthen the continuity of learning music.

Based on the above practices, the Smart Class music learning mode allows more students to use the tablet to enjoy resources from the teaching resources of music. In the context of Smart Class, traditional real-time music teaching has been extended to delay teaching after class. In addition, music teaching resources have been shared by students throughout the school, which has greatly improved the sustainability and consolidation of music learning.

2.3 It is Conducive to Promoting the Diversity of Communication at Music Class
In traditional music classrooms, the exchanges are mostly one-way exchanges between teachers and students. The knowledge points of teachers about music are sorted out, and then the students are taught uniformly. In this process, differences in the professional skills of music teachers and differences in artistic understanding can lead to bias in communication, making it difficult for students to obtain all information about the music or tracks they have learned through one-way communication. In Smart Class’s music teaching, this one-way communication will be more diversified. With the use of smart devices, the communication will gradually expand to two-way communication between teachers and students, and mesh radiation communication for students. This kind of communication diversity is an important foundation for improving classroom teaching efficiency, enlivening the classroom atmosphere, and improving students’ ability to appreciate music.

III. Problems Existing in the Smart Class of Music
With the rise of smart classrooms over the past two years, profound changes have taken place in the education system, and music education is no exception. From traditional classroom teaching to rich music teaching relying on smart devices, this new situation has unparalleled advantages over traditional teaching, but there are some inevitable problems:

3.1 Students are Distracted at Class
Learning music requires a highly focused educational attitude and relevant personal learning experience to acquire and understand musical standards and song skills. Since there is no reality in the virtual space, music education in smart classrooms becomes freer. In other words, without the guidance of an on-site teacher and many external interventions, students’ attention can easily be distracted.[6] This reduces the learning efficiency and cannot achieve the desired learning effect. This disadvantage is mainly due to the lack of face-to-face contact. A student can only appear on the screen, not a teacher who can point out time problems. Many educational resources on the Internet cannot replace real learning in real life. Therefore, the intelligent classroom environment cannot help students to concentrate and achieve the desired music teaching effect.

3.2 Lack of Contextual Stimulation in the Classroom
Teachers and students have a unified environment in classroom teaching practice. A vibrant singing atmosphere can inspire students to learn music and create a complete educational environment. In such an environment, students will feel a desire to sing. Over the years, students have become accustomed to this attitude in the classroom. Under the new internet teaching system, classroom face-to-face teaching will become a place where intelligent classrooms are lacking. Teaching music in a smart classroom is a way to automatically find the music you need. Students are no longer threatened by the
teacher, but by the screen.[7] Only one person completed the course without classroom conditions. This can let students rely more on their consciousness to reduce the desire to learn music.

IV. Suggestions for Integrating Music Teaching Resources with the Advantages of Computer Technology

4.1 Establish a Unified Network Music Teaching System
Music education resources are managed by a general system or institution (music network education system), and combined with educational resources of dedicated music networks. In online teaching, students can easily find the knowledge they need. If students avoid valuable time by not seeking these decentralized educational resources, they will improve learning efficiency. Therefore, the use of science and technology to integrate learning resources and the integration of music education network systems need to make full use of computer technology for music education.

4.2 Online Sharing of Music Teaching Resources
Due to different student conditions and song levels, there are gaps in the courses required by different teachers. According to the unified online music education, music education resources can be classified. Students can choose their own music education network resources according to their own situation and level, to independently study and improve their songwriting ability. Teachers and students must fully recognize the new changes in intellectual education in music classrooms, use smart devices and voluntarily learn online music teaching. At the same time, it is necessary to share valuable music education network resources. More and more students are finding a suitable place in many online music teaching resources.[8] The use of computer technology in music teaching can effectively improve the teaching effect of teachers; the computer system is used to organize music materials, make each level more detailed, and convert linear works into three dimensions, so that students have new feelings; Learners can hear and see what they learn, and can modify and add presentations at any time.[9] The amount of information received through multiple sensory stimuli far exceeds the amount of information obtained by one reading. Computer technology may also obtain information from all directions. Teachers and students will allow computers to interact with each other, communicate immediately and respond quickly, seek the knowledge points they need, and achieve integration and knowledge preservation, thereby enhancing learning effects. Therefore, the development of new music teaching according to computer technology plays an indispensable role in music education.[10]

Conclusion
Overall, the particularity of music teaching makes it necessary to provide direct communication between teachers and students. It is especially true in the case of face-to-face music teachers and school platforms and in new music teaching and smart classrooms. This is particularly important. In particular, we must use the influence of music teachers to enhance Internet communication and interaction. If you want to improve the level of music education, it is necessary to use Internet technology in a sensible way to change the status of music education, make full use of rich network resources, combine the advantages and advantages of online music education, and develop music traditions. Teachers must make music education truly innovative in the development of computer technology and contribute to the failure of teaching Chinese music, thereby realizing the long-term development of music education.

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