Practical Method of Ear Teaching in Universities Based on Digital Music Environment

Jing Yang

Zhejiang Yuexiu University of Foreign Languages, Shaoxing, Zhejiang, 312000, China

Abstract: With the rapid development of information technology, information technology is widely used in all walks of life, and the music education in universities is no exception. The modern education technology based on computer technology has had a huge impact on music teaching and is widely used in all fields of music teaching. Using the digital technology means to the college music teaching, and combining with the help of the computer-aided system to form a new teaching mode, it has become an important means to promote the development of the basic college music class teaching. With the continuous improvement and improvement of digital music environment, it brings unprecedented opportunities and challenges to college music teaching. This article mainly analyzes the development prospect of ear training teaching in digital music environment, and then puts forward the practice strategy of ear training teaching in digital music environment, hoping to provide reference suggestions to relevant personnel.

Keywords: Digital Music; Universities; Singing and Ears; Strategy

The 20th century is an era of talent and technology development, giving us new development opportunities for college music education. In recent years, Internet technology has entered people's lives, and brought great changes to people's work and study. Through the computer, people can quickly find the information needed, exchange and share between knowledge. Therefore, college music education should follow the development pace of The Times, appropriately adjust the relevant teaching curriculum content and mode combined with information technology means, apply computer music production technology and multimedia system in college music teaching, and promote the reform and innovation of teaching mode.

1. Analysis of the application of digital technology in visual singing and ear training teaching in universities

Computer music production technology is effectively used in visual singing practice teaching in colleges and universities, which can not only enrich the teaching content, but also strengthen students' understanding and understanding of works, change the problem of single traditional auditory materials, and constantly improve the quality and efficiency of visual singing practice teaching in colleges and universities.

When using the piano to listen to and sing training, teachers often play the piano repeatedly, so that students can feel different color effects, and help students overcome the problem of single sound and color, thus ignoring the learning effect of students. However, before the wide use of computer technology, teaching content can be made with different tones and styles into video courseware before teaching, and broadcast for students in class, so that teachers will have more sufficient time to help students[1].

2. Digital music environment promotes the reform and innovation of teaching mode

Computer music production technology and multimedia system are the technical support for the creation of digital music environment. Computer music production technology mainly refers to the music editing and sorting. Multimedia system mainly consists of the computer itself and external equipment, including sound card, synthesizer, sound source, tuning console, projector and other external equipment. Through computer music production software, the sound source information can be properly processed and transformed, forming digital information resources in the hard disk, then in the details of the music of rhythm, timbre, melody and other editing processing, and then in the sound source, console, digital camera and other external equipment, the sound information recorded[2]In short, computer music production technology is welcomed and concerned by music lovers in China and has an irreplaceable position in music production.

3. The practical strategy of ear practice teaching under the background of digital music

3.1Abadvantages of traditional teaching mode and the creation of digital music environment

Traditional music singing and ear training mainly trains the basic ability of music, but there are many problems in the actual teaching: unreasonable teaching structure, single teaching mode, not ideal teaching effect, lack of practical teaching, etc. For a long time, under the influence of the traditional teaching mode, the teaching of colleges and universities has been hindered, and the teaching effect is not obvious. With the development of information technology and The Times, the digital music environment enriches the

form of music culture and deeply attracts students with its own diversified characteristics. In the piano learning environment, the source of classroom timbre is the piano. This single timbre audio training can not meet the needs of students, thus producing a series of adverse effects, resulting in slow teaching progress, low students' learning enthusiasm and declining grades, which cannot ensure that students master the music practice ability in all aspects. With the general application of digital technology, diversified music such as radio, tapes and CD follows the trend, but because students do not master the correct learning methods, these music phenomena often make them lost and unable to adapt to the digital music environment.

3.2 Modern technology software is applied in teaching

Scientific and reasonable use of modern technology software to assist teaching activities, can improve the teaching efficiency and quality. Currently, the Auralia. software developed in Australia is used in visual singing and ear training teaching. "Auralia. Software" has four major topics with a total of 26 courses, including scales and intervals, chords, rhythms, and melodies. The scale and range include the comparison and listening discrimination of range, visual singing of range, visual singing and listening discrimination, etc. Chords mainly consists of chord listening, chord singing, and vocal block audible. The rhythm is mainly composed of rhythm dictation, rhythm listening discrimination, rhythm imitation and rhythm style listening discrimination. These training sections are set up according to the difficulty and provide a lot of exercises after class, so as to help students master more solid knowledge[5].

The detailed consultation function is set up in the Auralia. software, setting the corresponding theoretical background and the operating instructions for each tutorial. This function is conducive to teachers to choose the teaching content independently. Although the number and types of topics can not be changed casually, the types of chords can be enriched, and the existing chord types are edited and improved. The software also has the test function, students enter the software test section from the menu, first name the test, choose the topic and level of the test, and the number of questions. When the student successfully logs in the test program, you can see the results of the last test when choosing the topic. The application of Auralia. software in visual singing and auditory training in universities can not only reflect the interest of the program, stimulate students' interest in learning, but also connect with the network system to provide convenient conditions for students to use it at the same time. According to the actual application results, this software in practice can meet the needs of students of different degrees. In the interactive learning environment created by Auralia. software, the students learn the basic singing and ear learning courses, and judge the students' learning situation.

Training master (English name EarMasterProfessional) software has the characteristics of interactivity and openness. For example, in the process of pitch listening, teachers choose the appropriate listening level according to the teaching progress and their specific situation, and targeted choose the listening materials, range, melody and sound range between the same degree and two octaves.

At the present stage, Auralia and EarMasterProfessional. are widely used in visual singing and ear training teaching in colleges and universities. After-class exercises set up in the software can strengthen students 'exercise and improve the quality of students' learning. If students learn according to the teaching plan set by teachers and procedures, they can master more professional knowledge and their auditory ability will get a qualitative leap.

3.3 Universities have set up digital music laboratories

Some universities that permit can establish digital music laboratories, which can not only teach music production classes, but also conduct classrooms for visual singing and ear training and auditory training. Install training software on the computer, so that students can also use the software system to learn without teacher guidance in class. Students listen to distinguish thousands of different tracks in the laboratory, and can also do song formation, visual singing exercises, etc. Students are not limited by time and space, learn anytime and anywhere, use software programs to consolidate their knowledge, improve their autonomy and enthusiasm in learning, and achieve unexpected harvest and satisfaction, and complete the learning tasks in a relaxed atmosphere. This form completely changes the blindness of previous student training, enriches the training content and training form, and makes the training interesting. At present, the auditory training laboratory of the Department of Composition Department of the Central Conservatory of Music has been put into use, leading the trend of the establishment of digital music laboratories in colleges and universities nationwide, and providing a reference basis for the establishment of digital music laboratories in colleges and universities[3].

4. Conclusion:

To sum up, the digital teaching technology will be applied to the visual singing and ear training teaching, summarize the advantages and essence of the traditional teaching mode, and promote the birth of the new teaching mode. Computer music production technology and multimedia system have certain interactive characteristics, which can provide students with more comprehensive and advanced learning content. Through teaching practice proved that under the background of digital music ear teaching activities, not only enrich the teaching content, innovative teaching mode, reduce the intensity of teachers, but also the abstract theory knowledge more concrete and image, true feelings, greatly expand the scope of students' acceptance of music knowledge, teachers should constantly improve their professional quality, master the application of advanced technology software, strive to cultivate more excellent music talents for the society.

References:

[1] Ge Zhongjie. Research on Visual Teaching in Universities under Digital Music [J]. Theatre Home, 2020 (6): 157.

[2] Sun Xiao. Analysis of Visual Teaching in Universities under Digital Music [J]. Science Mass (Science Education), 2020 (3): 152.

[3] Hong Jin. Application of Digital Music Technology in High School Music Visual Training [J]. New Wisdom, 2018 (35): 15.