Practical application of multimedia technology in music teaching

Yang Zheng
Chengdu University, Chengdu, Sichuan 610000

Abstract: with the development of educational concepts and educational technology, multimedia is increasingly used in classroom teaching, which also puts forward higher requirements for music teaching. Multimedia courseware is widely used in classroom teaching with the characteristics of rich image, sound and form, so as to bring students vivid and true image, guide students' divergent thinking, and form good thinking quality. In this regard, teachers should effectively use multimedia teaching methods to cultivate students' good musical literacy. Based on this, this paper analyzes and studies the practical application of multimedia technology in music teaching for reference.

Key words: multimedia technology; Music teaching; Educational characteristics

Preface

As a modern means of education, multimedia technology takes computer as the core, and fully combines text, image and audio resources, so as to achieve the effect of audio-visual integration. The internal capacity of music course in Colleges and universities is large, and the curriculum capacity is relatively large. The traditional music teaching can not meet the actual development needs. Multimedia technology can provide a better platform for college music teaching reform, help to stimulate students' learning motivation, so as to better understand the connotation of music.

1. Multimedia teaching summary

Multimedia refers to the use of various media convergence, the use of text, sound, animation and other technologies to present an interesting teaching environment. Multimedia teaching requires teachers to combine teaching objectives and teaching objects in teaching, and achieve the combination of teaching content and teaching methods by reasonably selecting teaching resources, so as to achieve the best teaching effect. There are many multimedia equipment in common use in teaching, including multimedia all-in-one machine, interactive whiteboard, projector and so on. In addition to hardware devices, it also includes software applications, including PPT, geometric whiteboard, electronic calculator, plotter and other software programs.

2. The necessity of using multimedia technology in College Music Teaching

2.1 Arouse students' learning enthusiasm

Interest is the best teacher. In the traditional music teaching, teachers often take the way of live performance to carry out teaching, and can form a good teaching effect in the early stage of teaching. However, this teaching method is more abstract and has no musical mood and atmosphere. In the long run, students will feel boring and boring, and thus lose interest in music learning. Multimedia teaching technology helps to solve the current teaching problems, but it can realize the effective connection of teaching resources, so as to create the artistic conception of music and painting synchronization for students, make more abstract knowledge visualized, stimulate students' learning enthusiasm, develop their thinking of music learning, and improve their music creation ability.

2.2 More efficient music teaching

In the past classroom teaching, teachers not only need to write on the blackboard when transmitting music knowledge, but also need to go backwards when playing tapes. During multimedia teaching, teachers can use the mouse to achieve the above operations. Therefore, the use of multimedia teaching technology helps to provide convenience for teachers' teaching, reduce teachers' work intensity, and improve the efficiency of classroom teaching. In addition, the use of multimedia can also enrich the capacity of classroom teaching. It can concentrate text, audio and video together, and create dynamic situations that textbooks cannot present, so as to effectively optimize teaching methods and improve teaching efficiency. Multimedia technology can inject new elements into college teaching, thus making music teaching more visualized.

2.3 Cultivate students' good quality

Art education, such as music and painting, plays a great role in improving students' cultural literacy. The quality of music education determines the quality of college education in some cases. For this reason, teachers' use of multimedia in music teaching helps to better teach basic music knowledge, infiltrate the main melody idea and excellent traditional cultural concepts, so that they have good appreciation ability and discrimination ability, and correctly treat pop music and traditional music, so as to improve their musical aesthetic quality and overall cultural quality. In addition, the use of multimedia teaching helps to cultivate students' imaginative thinking. Imagination and creativity are essential qualities in aesthetic education. In traditional music teaching, teachers' neglect of students' thinking quality will hinder the development of students' thinking ability. Therefore, teachers should cultivate students' good artistic quality, let students form personalized quality, so as to form creative thinking, and effectively promote the development of students' imaginative beauty.

3. Application principles of multimedia technology in College Music Teaching

3.1 Principle of pertinence

Making multimedia courseware has a strong purpose. Both demonstrative courseware and interactive courseware need to serve

teaching. The application of multimedia teaching methods in music teaching should be well prepared for pre class teaching, combing the teaching process according to the teaching objectives and teaching contents, and clarifying the teaching ideas, so as to design high-quality courseware. In multimedia teaching, teachers use courseware to show the actual teaching content, which has strong personalized characteristics. Only according to the actual teaching content and teaching advantages, can teachers carry out targeted teaching, and then can they make practical music courseware. Therefore, under the guidance of modern education concept, teachers should improve education and teaching work, so as to design valuable educational content and apply it to teaching activities.

3.2 Principle of moderation and Appropriateness

Compared with traditional teaching methods, multimedia technology teaching can mobilize all kinds of audio-visual means to present dynamic and visualized teaching content, so as to improve the quality of teaching. Therefore, multimedia teaching should follow the principles of moderation and appropriateness, choose the teaching points that are beneficial to students, and highlight the key points of teaching as much as possible during the design of multimedia courseware, so as to ensure the quality of teaching. The purpose of applying multimedia courseware is to improve the quality of education, achieve the expected teaching effect, and play a good educational value. Therefore, music teaching in Colleges and universities should use multimedia teaching technology to find out the connection between teaching content and multimedia, strengthen the pertinence of multimedia assisted education, and avoid more problems.

3. The practical application of multimedia technology in College Music Teaching

3.1 Carry out theoretical teaching and learn the theoretical basis of music

For the teaching of music major in Colleges and universities, the required music theory includes polyphony, harmony, music score, musical form and other aspects. In the traditional classroom teaching mode, the teaching of music theory knowledge is mainly based on the teacher's narrative teaching. The teacher will use the blackboard to complete a large number of blackboards, and the vast majority of students will record the teacher's blackboard writing, This has led many students to focus on the record of theoretical knowledge and ignore the understanding of theoretical knowledge. Because the theoretical knowledge of music is relatively abstract, many students are difficult to understand the connotation of music in a short time, resulting in poor overall teaching quality. Therefore, during harmony teaching, teachers should use multimedia to carry out teaching, and use harmony software to explain the basic theoretical structure, so that students can intuitively feel the actual effect of harmony, so as to achieve good learning objectives.

3.2 Carry out audio-visual ear training teaching to solve learning problems

As we all know, audio-visual ear training is an important course for music majors in Colleges and universities. Literally speaking, it includes audio-visual and ear training. However, due to the long-term influence of the traditional education mode, the teaching effect of audio-visual ear training is not good. In traditional teaching, teachers will play the piano and let students sing, or let students sing in chorus. This kind of teaching method is not conducive to teachers' teaching, is not conducive to stimulating students' learning enthusiasm, and causes the effect of classroom teaching to be affected. In the context of education in the new era, multimedia teaching technology has injected new connotation into music teaching, which can better solve the problems existing in the process of education. Compared with the traditional concept of teaching mode, multimedia teaching is more vivid and vivid. Teachers can use computer software to do well in teaching content in advance during teaching, so as to apply the prepared teaching materials in classroom teaching, cultivate students to form a good sense of timbre and melody, and achieve the final effect of saving time and effort.

3.3 Carry out music appreciation teaching to stimulate students' interest

As an aesthetic activity of feeling, understanding and judging music works, music appreciation can realize the unity of perceptual activity and rational activity. Music appreciation course is an important course for music majors in Colleges and universities. It can cultivate students to form good aesthetic quality, cultivate students to form good sentiment, and improve their music feeling ability. Make students deeply understand and feel the connotation of music, so as to better understand the structure of music. In the long run, students' music appreciation and personal aesthetic quality will be improved.

3.4 Increase the amount of classroom information and broaden students' horizons

The use of multimedia teaching means can help to quickly obtain more information resources in a shorter time, enrich the amount of classroom information, greatly meet the students' learning and development needs, improve the overall efficiency of teaching, enrich the teaching content, and expand the students' learning vision. For example, in Beijing Opera teaching, teachers can use multimedia to introduce the development genre, performance form, voice and profession of Beijing opera, and analyze the specific Beijing opera art. In the teaching stage, teachers use multimedia technology to help students better appreciate their works, understand more Peking Opera Arias, and greatly save the time required to use the means, so as to make students feel and understand the beauty as much as possible.

3.5 Give full play to the informatization function and improve the work processing ability

During music teaching in Colleges and universities, teachers should let students master more music knowledge, understand different music theory contents, learn the history of Chinese and foreign music development, and master more styles and genres, which will help students understand more comprehensive information and understand the historical background of the author's music creation. At this stage, in the context of the information age, students can use computers to access information and realize the storage of information, which helps to enrich the mode of music teaching. Teachers can store music genres, music styles and text materials from all over the world as multimedia courseware in the database, which is convenient for teachers' teaching and students' use. The use of multimedia teaching technology helps to create a good music learning situation for students, put students in the music experience, stimulate students' desire to explore music, so that

students can improve their music aesthetic ability.

Epilogue

To sum up, under the background of the information age, the state attaches great importance to education and teaching. Music education in Colleges and universities should be permeated with multimedia teaching technology, so as to realize the modernization of teaching. The application of multimedia technology in college music teaching helps to enhance the vitality of traditional music teaching, so as to improve the overall teaching quality, stimulate students' interest in learning music, mobilize students' initiative to improve music learning, provide more learning platforms for students, and improve the quality of music education.

References:

[1] Chungang Wang Probe into the daily use management and maintenance of "shift to shift" system [j]Heihe education, 2017 (10): 2

[2] Mingyuan Wang Research on the optimization method of digital multimedia technology in college music teaching in the information age -- a review of college music teaching and application of multimedia technology [j]Chinese scientific paper, 2020,15 (05): 605

[3] Chen Ye Analysis of the application of multimedia technology in college music teaching [j]Journal of Jiangxi Electric Power Vocational and technical college, 2019,32 (11): 29-30

[4] Yuqi Zhang Application of multimedia technology in college music teaching [j]Northern Literature, 2017 (36): 194

[5] Kunhong Zang "The charm of multimedia teaching." [J] Children's world (second half of the month) 2018(011): 103

[6] Jing Che Optimization path of college music teaching based on multimedia technology [j]Drama House, 2020 (29): 90-91

[7] Xuekun Li Application of multimedia technology in college music theory teaching [j]Drama House, 2020 (16): 156

[8] Wenyue Rao College Music Teaching in the context of multimedia [j]Northern music, 2020 (17): 197-198

[9] Huimin Zhu Optimization of digital multimedia technology in college music teaching [j]Education Informatization Forum, 2021 (01): 31-32

[10] Xiaoying Ma The superiority of multimedia technology in college music and art education in the era of "Internet +" [j]Artist, 2019 (12): 81

[11] Tingting Chen Methods of optimizing college music teaching under multimedia [j]Northern music, 2017,37 (23): 111-112

[12] Tianxin Ding Application of multimedia technology in college music teaching [j]Northern music, 2019,39 (10): 168+174