Application of Information-based Instructional Design in Vocal Music Course in Colleges and Universities

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Abstract: In today's information age, the application of information-based teaching to vocal music teaching in colleges and universities is an innovation of music teaching in colleges and universities, which is of great significance to music teaching. This paper makes a comprehensive and multi-perspective analysis of the planning and design of vocal music curriculum, and combines the teaching of teachers, students' learning, teachers' strength, theoretical knowledge reserve, vocal music practice and future development of knowledge. As an innovative teaching mode, the advantage of information-based teaching is to teach first, learn first and teach later, from passive learning to active learning, so that students have the opportunity to face new content, new problems and new situations directly, and on the basis of self-learning and understanding, cultivate the profundity and criticality of thinking through various interactions, so that knowledge can enter into long-term memory. Complete the informatization teaching design process from the course project, work tasks, learning situations, cyberspace, teaching mode, teaching methods, etc., and practice in the vocational education new trunk line, in order to be able to network classroom in the context of educational information. Teaching work provides some reference and inspiration.

1. Introduction

Vocal music teaching in Colleges and universities is one of the important contents of music specialty in higher education. Optimizing teaching methods and improving teaching methods are the specific requirements of deepening the reform of higher education [1]. However, the traditional teaching method has been used in vocal music teaching in Colleges and universities, which leads to many problems in the process of vocal music teaching in Colleges and universities, and seriously affects the quality of vocal music teaching in Colleges and universities. Information technology and curriculum integration refers to the creation of information-based curriculum culture through curriculum development based on information technology. It aims at the separation and opposition between information technology and subject curriculum in the field of education, and integrates them in two directions through interaction [2]. Scientific curriculum planning and design improves the vocal music curriculum of music education major in normal universities. For the design of the course, activities such as rehearsals, performances, competitions, classroom performances and so on can effectively exercise students'music practice ability [3]. The teaching mode adopted by teachers in teaching is also an important factor affecting the teaching effect. Scientific and reasonable teaching modes and methods are conducive to improving teaching efficiency, stimulating students' interest in learning, and achieving the goal of optimizing vocal teaching classroom. Introducing informatization teaching into vocal music teaching, with the theory of learning as the theoretical support, computer-assisted teaching as the technical support, and the two-pronged approach to better enrich, improve and enhance the vocal music teaching mode. To open a path of education for vocal music teaching in China that suits the national conditions of the country. Respect the students' wishes and interests, so that each student can find a unique field of their own personality in the process of learning [4].

The integration of information technology and subject curriculum is a hot issue in the current education and teaching reform. The integration of information technology and subject curriculum is not only a study of integration mode, but also involves education and teaching. The core of competition in modern society is essentially the competition for qualified personnel, and the quality

of qualified personnel depends on whether they have strong innovative spirit and ability, and whether they have personality [5]. With the continuous development of the economy, the society has more and more stringent requirements for compound talents. At the same time, the requirements for music talents are also higher and higher. It requires not only music talents with strong technical skills, but also advanced ideas and creative thinking. Therefore, the current single and traditional teaching mode can no longer meet the needs of social development. [6]. Therefore, in the process of personnel training, teachers must break the old mode of thinking and teaching habits. In the informatization teaching, teachers will change the teaching process in the past and allocate it scientifically every time, thus promoting the improvement of students' learning efficiency and the improvement of teaching efficiency [7]. The students of vocal music can intuitively experience the teaching content and teaching concept of the vocal music course through the technology of the computer; and also better cultivate the self-learning ability of the students, so that the students can freely review the learning content after the vocal music lesson. Let the "sound" be audible, readable, and evidence-based, and intuitively placed in front of the students. Collect a variety of video and audio materials, and form their own specialized database for use in the teaching process. Show various concerts and concerts to students to appreciate and enhance students' vocal appreciation level [8].

2. The Advantage of Information-based Teaching in Vocal Music Teaching in Colleges and Universities

Vocal music teaching is not only a science but also an art. It is said that it is scientific because some natural laws and teaching principles must be followed in vocal music teaching, and that it is artistic because it must be good at using appropriate language and teaching methods to follow in teaching. The application of information-based teaching in vocal music teaching in Colleges and universities. Make vocal music teaching more intuitive, more clear thinking, conducive to the improvement of students'learning efficiency. Information-based teaching is an important auxiliary tool and means of vocal music teaching in Colleges and universities in the information age. The design of information-based teaching should change the learning methods of students receiving learning, rote learning and mechanical training in traditional teaching, guide students to participate in the formulation of teaching objectives, the design of learning process, the evaluation of learning process and learning results, and emphasize students'emotional expression and learning autonomy. Through these activities, students can get the aesthetic feeling of vocal music from humanistic knowledge. To break through the limitations of traditional vocal music curriculum and combine with the development of the times, we should carry out targeted teaching and training for students. In the process of informatization teaching, teachers should promptly encourage and praise students, so that students can express their emotions higher. In addition, in order to better learn the relevant songs, we should also analyze the creator's life story and creative background. In the teaching of vocal music in colleges and universities, creating a democratic atmosphere, expanding students' thinking space, and realizing "interactive learning between teachers and students" is conducive to cultivating the fluency, flexibility and uniqueness of students' creative thinking.

The diversification of vocal music art determines the diversification trend of vocal music teaching mode. Grasping the pluralistic characteristics of vocal music art is the key to improve vocal music teaching. Vocal music teaching is not only a process of imparting skills, but also a process of students'emotional experience. The development of information technology has greatly improved the efficiency of all aspects of human life. In the field of education, technology is used to support advanced mental processes. When technology becomes a cognitive tool for students, it can help students express their thinking in specific ways, and make their reasoning process visualized and verified. Using information technology teaching, students'pronunciation can be synchronized to the relevant software, forming a certain waveform pattern and recording at the same time. Teachers can give specific explanations through waveform patterns. Students can also have a fresh and accurate understanding of their pronunciation. In the future learning process, they can know how to correct and progress, and get rapid improvement. In the process of teaching, students should solve

the problem of students singing. The old professors should provide guidance to young teachers, optimize the teaching echelon, and demonstrate the law of benign development of the school teachers. Improve the vocal curriculum system to make it more rigorous, scientific and comprehensive. Through design problems, it can expose the loopholes of students' knowledge, trigger students to empathize, guide students to master learning methods, strengthen students' memory, and help students master new knowledge. In the process of pronunciation training, we can let the students try to keep the tongue root relaxed. No matter what kind of change the words make, we must find out the common points, so that the students can learn the relevant content better.

Using information-based teaching to establish a platform for vocal music teaching resources sharing, vocal music teachers should organize regular experience exchanges, for their own experience and ideas in the process of teaching practice to share with you, according to the experience of other teachers, teachers constantly improve their own teaching courseware. Through the analysis of teaching objectives, teachers should clarify what learners are interested in, what they want to learn, what they can learn and so on. Only when we find clear and clear teaching objectives, can we make clear what teaching methods should be adopted in the teaching process. Teachers must have sufficient professional knowledge, be able to use a large number of computer, multimedia and virtual reality teaching technology, and in the specific teaching process to create an information teaching environment, explore a variety of knowledge formation teaching mode, in order to adapt to different types of education and teaching needs. Schools should provide all kinds of information equipment to facilitate students'access to various information resources. Allowing students to participate in the process of school information construction can fully develop students' ability to use information technology and cultivate students' creativity and comprehensive ability. Reduce the teacher's repetitive work in vocal teaching, such as teaching the basics of singing, vocal principles and singing skills. In the middle and high learning stages, through the combination of single-study lessons and group lessons, relevant curriculum design can be carried out in a targeted manner.

3. Countermeasures of Applying Information Teaching to Improve Teaching Effect in Vocal Music Teaching

The curriculum system of vocal music theory needs to be strengthened. The ultimate goal of vocal music course is stage performance. Students'second creation of works is actually a practical course. However, in the process of vocal music teaching, teachers formulate different targeted teaching programs according to students'different voice characteristics, different sensibility, understanding, different cultural qualities and accomplishments. Effective monitoring of the learning process and real-time tracking and evaluation of the learning effect can be called a high-quality "curriculum". In the aspect of singing and pronunciation, we require students to pronounce clearly, which is also the key problem in our vocal music teaching. The application of information-based teaching method lies in the conversion and cohesion between words. Through information-based teaching method, students can feel the change between words. For a good teaching mode, we should respond positively and try bravely. Vocal music teachers, according to their students'voice division, can record and upload the music lessons to personal platforms, and also can advocate that students teach each other, so-called teaching is mutually beneficial. Let students fully experience the requirements of songs, so that students can learn and experience in a pleasant, relaxed and harmonious environment, making teachers easy to teach and students to learn easily. Therefore, in teaching, teachers should make full use of emotions, express their feelings with emotions, express their feelings, and create the artistic conception of vocal music classrooms to achieve the purpose of vocal music teaching.

In vocal music teaching, many times students get their own singing skills by understanding and imitating the teacher's singing methods and skills, in which the teacher's professional ability and experience play a leading role. By introducing the culture and aesthetics of vocal music works, vocal music teachers enable students to find the sound of works through culture, which is conducive to improving students'cultural taste, deepening cultural level, activating students' thinking and improving students'aesthetic ability. Modern teaching technology based on information technology

can provide technical support for classroom teaching demonstration, communication, individual counseling, learning resources and environment. It can also provide a variety of presentations for situational inquiry, discovery learning, information processing and knowledge construction learning in teaching. According to students'different voice characteristics, different sensibility, understanding, different cultural qualities and accomplishments, teachers formulate different targeted teaching programs. In fact, the design process of students is a learning process.By designing to know what they know about the problem and its solutions, and what they don't know, it is the follow-up learning process that fills this gap. From pre-teaching to post-learning, from passive learning to active learning, students have the opportunity to directly face new content, new problems, new situations, and develop self-learning through a variety of interactions. Deep and critical, so that knowledge enters long-term memory.

If the application of information technology in teaching is extended to the outside of the classroom, the recording or video recording of classroom teaching is made into CD-ROM, so that students can watch and practice after class. In this way, students can preserve and continue the good singing state and feeling found in the classroom for a long time. Creating vocal music can not be separated from practice, its essence is a practical art, because music comes from life and goes to life. The ultimate goal of learning vocal music is to better practice music. Better teaching practice, improve teaching effect, so as to meet the learning needs of learners, improve their learning efficiency and learning quality. In informationization teaching, situational simulation teaching method is used to construct Behavior-oriented Teaching mode. Meanwhile, according to the needs of content, flexible interpolation of project teaching, case teaching, research learning and other methods is also used in the application of this mode. Through the situation setting, you can continuously deepen students' understanding of high notes and train students to take deep breathing skills. When singing the sound, you can relax the abdomen position by means of sigh relaxation. Through the practice of jumping, the abdominal muscles of the students can become more flexible during the effective exercise, which is very important for grasping the control of breath. Vocal music teaching should fully enable students to express their understanding, feelings and experiences with songs with their own emotions, to achieve the best state of the songs, and to integrate themselves into the real emotional realm, to cultivate students' voices in singing Unity.

4. Conclusion

In this paper, the application of information-based instructional design in vocal music courses in Colleges and universities is studied. Normal colleges and universities should take the theoretical system as the basis, take the nature of the subject as the cornerstone, compile and plan each link of the vocal music curriculum in detail, so as to make the vocal music curriculum more rigorous. The core of educational informationization is educational practice, and the design of Informationized Teaching is the core of educational practice. By using information-based teaching to assist vocal music teaching, the teaching means and content are enriched, and students'enthusiasm for learning is enhanced. The application of information-based teaching vocal music classroom can cultivate students'ability of self-study and self-practice comprehensively, systematically and pertinently. When information technology is used in teaching, we should pay attention to the dual functions of technology. The technological base affects how the media support, restrict or strengthen the learning environment. The application of information technology in education is to strengthen the traditional curriculum teaching or to create a new type of curriculum teaching. In teaching, teachers should pay attention to the influence of works on students' thoughts and feelings. Due to individual differences of students, there are differences in personality, cultural accomplishment, comprehension ability and voice conditions, which will produce different singing styles and aesthetic personalities. Teachers should respect students' Aesthetic personality, maintaining the subjective status of students. Using informational teaching, starting from the life examples, the task mosaic problem not only stimulates students' interest in learning, but also greatly improves the efficiency of learning, and at the same time cultivates their self-learning ability of independent exploration and courage to forge ahead.

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