

# Exploration on the Application of Multimedia Technology in Vocal Music Teaching

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**Abstract:** With the continuous improvement of multimedia technology, the impact on people's daily life has become more and more important. It has been widely used in the field of education and teaching as an effective means of assistant teaching. Therefore, the author explores the application of multimedia technology in vocal music teaching. The study found that combining multimedia technology with vocal music teaching has a positive impact on improving teaching effectiveness and strengthening students' learning awareness. Through this research has a good influence on the use of multimedia technology in the future vocal music teaching, so as to promote the form innovation and development of modern vocal music teaching under the application of multimedia technology.

## 1. Introduction

At present, multimedia not only has a place in the field of life, but also plays an important role in the teaching process [1]. The development of multimedia technology plays an important role in promoting education and teaching, which helps to enrich teaching methods and enhance teaching quality. Students do not have a correct understanding of how to correctly occur and their own performance on the stage. Students do not have proper guidance and management after class, and students' learning effects and assessments lack objective evaluation [2]. In this article, we will sing this art as the main research point, and carefully explore the relationship between multimedia technology and vocal music teaching. In the field of education and teaching, multimedia technology has also been applied to many disciplines. Multimedia technology to produce multimedia teaching courseware has increasingly become a relatively important teaching method [3]. The development of multimedia technology plays a key role in improving the quality of teaching and promoting the reform of teaching methods. Through the use of multimedia technology, vocal music teachers can improve the effectiveness of classroom teaching; students can also enjoy the vocal music classroom, improve learning efficiency [4]. The function of innovative education is to stimulate students' creativity, initiative and enthusiasm to the greatest extent, so as to make students have more personality [5]. In addition, as a vocal music teacher in the new era, we should conform to the development of the times and improve the quality of teaching through the rational use of multimedia technology.

The rational use of modern multimedia technology in vocal music teaching meets the requirements of the new curriculum standard and is also the inevitable trend of the rapid development of modern education [6]. With its unique advantages, such as visualization, intuition, high degree of interaction and a large amount of information, multimedia has been rapidly integrated into today's teaching research. In traditional vocal music teaching, students have not established an intuitive and vivid understanding of their own singing skills, singing methods and internal singing organs [7]. And it has not formed an accurate and objective understanding of its own voice, correct pronunciation and performance on the stage. It is precisely because of these objective and subjective factors that students will continue to experience failure in the process of learning vocal music [8]. The history of vocal music and vocal music teaching is very long. Vocal music has different classifications in the form of performance. This is inseparable from its diversity and diversity [9]. In recent years, multimedia technology has been widely used in various fields of vocal music teaching, such as piano group classes, vocal training, orchestration. The scientific and superiority of digital teaching methods is fully reflected, and the use of multimedia technology in

vocal music teaching has also been put on the agenda [10]. It can be said that multimedia technology plays an important role in promoting the reform of vocal music classroom teaching and has a profound impact on vocal music teaching. At the same time, innovative education can also enable all students to actively participate in the process of knowledge formation, completely change the way students accept learning, so that students have more space and time to implement creation and exploration.

## 2. The Status Quo of Vocal Music Teaching

Among all vocal music subjects, vocal music teaching is a difficult and difficult to learn major. The teaching mode is mainly abstract, so it increases the difficulty of vocal music teaching to a certain extent. Although vocal music teaching is a kind of vocal music system, it has great differences with vocal music theory teaching and instrumental music teaching. It is a subject with low intuitiveness and very strong abstraction. The continuous improvement and development of modern educational concepts and models in the world today makes the artistic expression of vocal music more popular and popular, so the vocal music lesson has become a way for people to learn more about this art. However, most vocal music teaching still adopts the traditional single teaching method of “speaking and preaching” and “speaking and teaching”. This method mainly relies on teachers' theoretical explanation and pronunciation demonstration to teach, relying on students' subjective understanding and imitating vocalization. Learn. It is a comprehensive artistic expression that expresses many artistic elements, such as vocal music, literature, dance and even drama, in the form of singing. It can be seen that vocal music does not mean simply singing well, but to have superior physiological conditions, skilled singing skills, rich vocal knowledge and excellent literary and artistic literacy. According to the different functions of information technology, choosing the most appropriate means to assist in different teaching links is also a test of teachers' ability.

For this research, the number of research literature in China has been increasing in the past few years. Fig. 1 is the increasing trend of research on the application of multimedia technology in vocal music teaching in China.

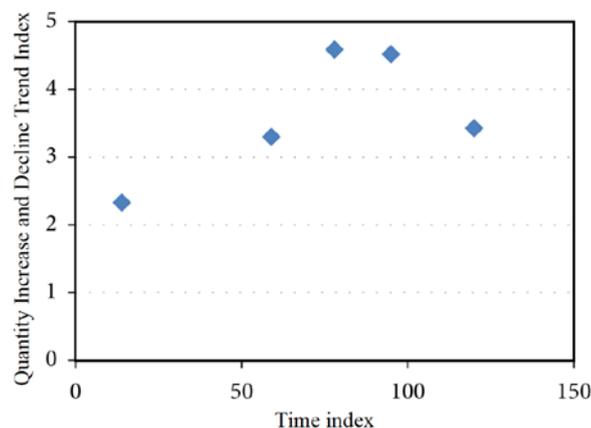


Fig.1. In recent years, the increasing trend of research on the application of multimedia technology in vocal music teaching in China

The present stage of vocal music teaching in China is still in the developing stage, and the mode of vocal music teaching is not very new, which can not catch up with the trend of the times. For junior and senior high school students, the use of multimedia can improve the aesthetic value of students, so that they have a comprehensive understanding of vocal music. Most vocal music teachers follow the traditional teaching mode, seldom study and innovate the teaching mode, neglecting the cultivation of students' thinking and innovative ability in the teaching process. Moreover, through the recording function of multimedia technology and the analysis of vocal music waveform, it can make classroom teaching more continuity and change the problem that traditional classroom teaching does not have continuity. At the beginning of the whole article, we should correctly understand what multimedia technology is, and what its characteristics and uses are. Only

a general understanding of multimedia technology can better understand and combine in the following sections. The scope also covers all areas and different levels of society. Vocal teaching activities not only have a broad social base and educational reserves, but also a large range of vocal teaching tasks. Vocal teaching also requires real-world training, so that students can better grasp the rhythm of different rhythms and the characteristics of different notes after experiencing the experience. The teaching of these contents is a very abstract teaching, which requires students to experience themselves in the process of learning.

### **3. The Application of Multimedia Technology in Vocal Music Teaching**

Multimedia technology is a modern science and technology. It has a strong comprehensiveness. It integrates video processing technology, sound processing technology and image processing technology into computers. It is a technical means that integrates many modern media. In particular, the PPT designed by teachers is a good example. The production of courseware not only reflects the comprehensive quality of teachers, but also activates the classroom atmosphere. Through the guidance of teachers, students can have a preliminary appreciation of vocal music, aesthetic improvement and emotional resonance. The application of multimedia technology to vocal music teaching can be said to be a major breakthrough and change in the form of teaching, solving the problems in traditional vocal music teaching and providing an important auxiliary role for vocal music teaching. It also strengthens the quality of vocal music teaching, and at the same time brings new challenges to vocal music teachers and puts forward higher requirements for their comprehensive literacy. In the process of vocal music teaching, it is not only necessary to teach students external singing performance, but also need to guide students to grasp the internal activities of organs, breath movement, fulcrum, sound location and so on. The application of multimedia technology in vocal music teaching can be adjusted to improve this problem. With the development of social economy and the continuous improvement of people's material living standards, people pay more attention to the improvement of knowledge content and the cultivation of vocal music quality, and have higher requirements for the content and mode of vocal music education.

Multimedia technology combines sound and light organically, enlivens the atmosphere of classroom teaching, breaks through the limitation of time and space in traditional teaching, and provides infinite development space for students to learn vocal music. However, the combination of multimedia technology and its application has great advantages in visual and auditory aspects. It can concretely change the abstraction of vocal music teaching, clarify the complex knowledge and thoroughly change the shortcomings of traditional vocal music teaching. Interactive characteristics of multimedia technology. Interactive characteristics of multimedia technology refer to the ability to integrate or distinguish the various information contained in the computer. It enables users of multimedia technology to grasp relevant information more conveniently and quickly. The uniqueness of the vocal music teaching process means that the vocal music teacher uses the individual teaching methods, formulates different teaching contents and teaching programs according to the different conditions and different qualities of the vocal music teaching objects, so as to achieve better vocal teaching effects. So that students do not understand the vocal knowledge, most students have skills and lack of understanding of vocal meaning. According to years of teaching practice, the quality of singing teaching can not only test whether students have mastered the scientific singing method, but also whether they can cultivate students' singing interest. In the vocal music teaching, the students use the multimedia to record the students' singing status to let the students understand their own problems, and improve them in a targeted manner to form a good performance state.

### **4. Conclusions**

The application of multimedia technology in vocal music teaching is the inevitable result of the development of modern education, and it has also become a requirement in the comprehensive quality of vocal music teachers. The advantages of multimedia technology in the use of vocal music

teaching are clear at a glance. But at the same time, in the above research, it is not difficult for multimedia technology to have some shortcomings. Whether it is the traditional vocal teaching mode or the contemporary multimedia teaching technology, their ultimate goal is the same, the nature is the same, all for the better vocal music teaching, are to improve the quality of vocal music teaching. A means. With the development of vocal music education in recent years, many new problems have emerged. Therefore, both schools and colleges should actively reflect on the causes of the problems, timely change their educational concepts and adopt various effective teaching methods. In addition, teachers should constantly reflect in the process of teaching practice, and constantly improve their innovative ability, instead of sticking to the rules. Innovation is the soul of a nation's progress and the inexhaustible motive force for a country's prosperity. Improve the teaching effect, cultivate students' professional ability and comprehensive literacy, so as to effectively promote the development of vocal music education. In short, with the progress of modern science and technology, the full use of multimedia technology in vocal music teaching can better make the art of vocal music evergreen.

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