

## Research on the Inheritance and Development of Local Folk Music in College Music Education Based on Multimedia Technology

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**Abstract:** with the continuous development of information technology in modern society, the application of multimedia technology has gradually increased its proportion in our life, especially in music education in colleges and universities, and the application of this technology as an auxiliary teaching tool in colleges and universities has become more and more important. Local colleges and universities should incorporate the local folk music culture into the plan of talent cultivation and daily teaching, and make full use of the classroom platform and educational resources. Local folk music is a form of musical expression with local characteristics, and is an important cultural symbol to show the local conditions and customs of various regions. The advantage of applying multimedia technology to music education in colleges and universities lies in the realization of audio-visual synchronization, making music theory teaching more intuitive and enabling students to become active participants in teaching. Therefore, it is of great significance for the inheritance and development of Chinese traditional culture to integrate local folk music into the music education of local colleges and universities based on multimedia technology.

### 1. Introduction

Multimedia technology has become the most important modern high-tech means in the 21st century, permeating all corners of our study, work and life [1]. This high-tech means has shown unquestionable vitality in music production and sound synthesis. Especially in higher education, multimedia technology has been applied to the teaching of many courses and has shown more and more important role. Folk music is produced by long-term evolution in people's ordinary life [2]. Folk music is a kind of music with folk characteristics. Its content is very rich. It records and reflects people's life in a musical way. It has a very important historical position in Chinese long-standing traditional culture. It gradually evolves with the changes of people's life. In fact, the value function of music education in many colleges and universities has not been brought into full play, and there are many obstacles in the inheritance and development of local music culture. The research on this aspect has attracted much attention from the society and has become one of the hot topics in academic research. Therefore, based on multimedia technology, this paper explores the advantages, current situation and development approaches of local colleges and universities in the inheritance, protection and development of local folk music culture, hoping to provide some thoughts for local colleges and universities in the inheritance, protection and development of local folk music culture.

### 2. Connotation and Characteristics of Local Folk Music Curriculum Resources

Local folk music resources refer to local music resources that have been handed down from generation to generation in a certain region and have distinctive regional characteristics. When making music textbooks and designing music classes, local colleges and universities should actively introduce local music culture and take local music as the basic starting point to train students to

master certain local music [3]. The International Folk Music Association defines it as “popular music developed through oral transmission.” This means that the local folk music forms and music works have gone through a long development stage and passed down through word of mouth in the process of continuous deduction and modification by the broad masses of the people. Local folk music curriculum resources refer to various kinds of folk music resources with educational value that can be converted into school music curriculum or serve school music curriculum. They can be divided into local folk song resources, local opera music resources, local folk music resources, local folk instrumental music resources, and local folk dance music resources [4]. Integrating local music into music teaching in colleges and universities can improve the quality of music teaching and at the same time help students to understand the connotation and development of music. Teachers can enable students to collect information about folk music as much as possible, actively participate in music life, and display the information resources they have collected in class. These music originated from the folk and are closely related to people's life. It can be said that it reflects people's life style, ideological trends and customs of one party.

Music is one of the oldest, most universal and infectious art forms of human beings, and is an important form and carrier of human culture, which contains rich life meaning and historical connotation [5]. This not only enables students to have a sufficient understanding of local music, but also can stimulate students' interest in learning music and cultivate students' ability to independently collect music information and process information. It is full of folk rhymes, easy to understand and unique, and is praised by experts as “an orchid with strong local characteristics in Chinese drama circle” [6]. Introducing local music culture into music teaching in colleges and universities is a necessary supplement to music education, an important reform to make music classes more meaningful and soul-rich, and an important measure to meet the requirements of modern art. Therefore, the participation of local colleges and universities in the protection, inheritance and development of local folk music culture research is not only to highlight the characteristics, but also to further flourish the national culture, promote the teaching reform in local colleges and universities, and enhance the national subject consciousness of teachers and students. National pride and social responsibility have the duty and obligation.

### **3. Advantages of Multimedia Technology Applied to Music Education in Colleges and Universities**

#### **3.1 Multimedia Can Realize Audio-Visual Synchronization**

The application of multimedia technology can help students to understand and feel music comprehensively and accurately, so that students can have a feeling of being personally present, at the same time, the teaching efficiency can be improved, the enthusiasm of students in learning can be fully mobilized, and the learning interests and hobbies of students can be stimulated [7]. Multimedia music teaching is mainly through the use of music score software and music production software and related electronic equipment combined with each other teaching process, which can enhance students' learning ability and application ability to a greater extent, so that students can combine theory with practice. The application of multimedia, a science and technology, can enable us to combine the factors that can help us understand, such as sound, text, image and video, to make originally complicated and deep music easy to understand, and can easily stimulate students' interest in learning. In some advanced countries, many of the music that primary and secondary school students hear is made and played by electronic musical instruments. They grew up with this new music technology. To increase their knowledge of music and broaden their vision of music, and further enhance their creativity in music. For music education and teaching in colleges and universities, we should give full play to the role of multimedia equipment in teaching.

#### **3.2 Multimedia Makes Music Theory Teaching More Intuitive**

The application of computer music technology to the analysis of works can enable students to hear the actual performance effect of music scores while reading them. However, some music cases

have audio data and some music cases cannot be heard, which undoubtedly increases the difficulty of teaching, and also requires teachers to have high piano playing ability, such as multi-part visual playing of piano, contracted playing of orchestral music, etc. Music itself is an expression of mood. Students can communicate with teachers through music. Teachers, through interaction and guidance with students in this emotional communication, can more easily achieve the purpose of teaching. In addition, you can also learn music theory knowledge and various music common sense through computer music teaching software such as CD-ROM and multimedia music masters, which is very rich in content. The development and development of multimedia education technology, as well as the process of its utilization, cannot be separated from the educational purpose, educational objects and teaching situation, let alone from the music theory, technology and understanding and feeling of traditional music [8]. Teachers and students should create a good atmosphere of “teaching” and “learning”, promote music appreciation and understanding, and show the charm of music with both visual and listening effects.

### **3.3 The Application of Multimedia in Teaching Can Make Students Become Active Participants**

When a student faces a large screen in a computer or music classroom, he will change from listening to what teachers say in traditional teaching to thinking about what he wants to do and how to do it from teachers' guidance and demonstration, which will be a qualitative leap in educational concepts. Due to the limited conditions, the past teaching in method of musical instruments was mostly limited to the introduction of book knowledge. Students' understanding of various musical instruments was mainly through teachers' explanation and watching musical instrument pictures, but they could not hear the actual sound of various musical instruments. The application of multimedia technology in music teaching in colleges and universities is a new type of teaching after reform. Moreover, the application of multimedia technology can not only highlight the advantages of music teaching, but also solve the disadvantages of traditional music teaching, thus greatly improving the efficiency of music teaching in colleges and universities. Perhaps it has incomparable advantages over chalk and blackboard in some aspects, but it must be built on a certain traditional musical accomplishment [9]. For example, when students use MIDI technology to make computer music or complete exercises in music technology theory courses, they need to combine the music skills they have learned with rational thinking and perceptual hearing judgment closely, and complete the learning process with the direct participation of listening and thinking. It greatly broadens the students' music vision, enlivens the students' music thinking, stimulates the students' enthusiasm to learn music, and improves the efficiency of music learning.

## **4. Inheritance and Development of Local Folk Music Culture Based on Multimedia Technology**

### **4.1 Innovating Music Teaching with Information Network**

This is a comprehensive, efficient and three-dimensional music teaching mode. This information-based music teaching environment provides unlimited music teaching resources and the possibility of diversified choices, such as time, content, method, place, teachers, etc. It provides rich and colorful graphic, audio and video, man-machine three-dimensional interactive teaching interface. Only by improving and reforming the existing music curriculum in local colleges and universities and inheriting and developing excellent local folk music can we meet the requirements of modern art education. For example, schools can broadcast local folk music through campus radio within a fixed period of time, so that this music form representing local characteristics can publicize culture through its own historical and regional ways. Under the guidance and assistance of teachers, students carry out music appreciation, music performance, music singing, music creation, music research, music exploration, etc. You can also search, enjoy, learn, publish, investigate and simulate music activities on the internet. At the same time, colleges and universities should actively cooperate with and participate in the inheritance and development of local music culture, advocate

the optimization of music education mode, and devote themselves to playing a position role, so as to guide social consciousness and create a good supporting environment. Colleges and universities should carry out relevant training and popularization for teachers of folk local culture, specifically through organizing relevant cultural knowledge exchange meetings, holding mutual learning and exchange activities in other colleges and universities, and providing teachers with relevant ways to further study local characteristic music and cultural knowledge, so as to enhance teachers' cultural heritage.

#### **4.2 Optimize Content Settings**

The local curriculum is a bridge linking the national curriculum and school education, is the key to inherit and develop the local music culture, and is closely related to promote the all-round development of students. Music teacher groups and student associations in colleges and universities go deep into villages and streets. Through visits to folk artists, internet inquiries and media searches, they extensively investigate the history and current situation of folk music, sort out the types of folk music, and expand and enrich the teaching resources of music courses. Chinese music education attaches great importance to the reform of music courses and teaching materials, promotes the modernization and nationalization of teaching contents, emphasizes the development of students' healthy music aesthetic taste in teaching, and attaches great importance to the cultivation of music interests, practical ability and creative ability. Fully tap the material of local music and make it suitable for students to learn from the source. For example, teachers can collect audio and video resources related to local music and set up a database for everyone to check at any time. In addition, as the forefront of music education, colleges and universities themselves also need to make more efforts. In short, music education teachers in colleges and universities are required to expand and deepen on the basis of the existing teaching materials, pay attention to the extension and penetration of local music culture knowledge, make full use of the network information platform, re-integrate teaching materials, and enrich knowledge classes. More importantly, teachers should be guided to have a comprehensive understanding of multimedia into music classes in colleges and universities. The correct use of multimedia can enrich the classroom, better guide students and make multimedia a great help in music teaching in colleges and universities.

#### **4.3 Strengthen in-Depth Study of Local Music and Improve Teachers' Professional Ability**

Music teachers, as the guide of students on the music road, play a vital role in the cultivation of students' music skills and music emotions. Therefore, in the actual teaching, it is necessary to attach importance to the training of music teachers' professional skills, and at the same time to actively tap the local music talents with certain talents to expand the ranks of teachers; On the basis of improving teachers' research ability in music culture, teachers' ability to make and integrate local music curriculum resources will be enhanced, and the expressive force of teachers' team on local folk songs, fishing songs, boating songs and other music songs reflecting local folk customs will be improved. Specifically, colleges and universities should formulate reasonable development plans, comprehensively comment on their own educational carrying capacity, moderately expand the scale of running schools, strengthen the construction of teaching staff as required, and be good at supplementing teachers' talents through various ways. For example, the school organized music festivals and performances to promote learning. Teachers organize students to study in the birthplace of local music and collect the wind, so that the integration of local folk music is no longer empty talk. Students can also publish their own music works in various media, participate in competitions and build confidence. To guide them to understand the development situation and requirements of music education, to enrich their theoretical knowledge in a timely manner, to change their ideas, to improve the overall quality level and professional ability of teachers. At the same time, it will also help to arouse the whole society's concern and care for the local folk music cultural heritage, thus activating the survival mechanism of local folk music and strengthening the protection of folk intangible cultural heritage.

#### **4.4 Give Full Play to the Appeal of Local Culture and Form a Characteristic Campus Culture**

Campus music, as one of the important resources for educating people in colleges and universities, deals with all students almost every day. Therefore, the school can make full use of the characteristics of campus music, integrate the local music culture into it, create a traditional music situation for students, and cultivate students' feelings for local music. It is helpful for students to better combine the knowledge and skills taught by teachers in class with reality and apply them flexibly so as to deepen and improve their knowledge. It is conducive to improving students' social adaptability and achieving the effect of applying what they have learned and promoting their learning by using it. First of all, it is necessary to establish a perfect talent training program for local folk music teaching in colleges and universities so that students can realize its importance. Secondly, the use of micro-era electronic information technology, in a variety of platforms to promote local folk music, so that this traditional culture in the subtle influence on people in the long run. In this case, the use of multimedia courseware for virtual experiments greatly improves the authenticity of the experimental results. Some experiments cannot be carried out in real situations, and can only be demonstrated by video and other media. For example, you can broadcast a piece of local music and give a simple explanation through campus radio at a fixed time every day. At the same time, it is also possible to hold corresponding music competitions to encourage students to actively participate in the development of local music, to communicate with each other and to make common progress. Fully explore the local folk music resources and build the corresponding resource bank for teaching. At the same time, the school should also provide special scholarships to reward some students who perform well in folk local music and enhance students' interest in folk local music.

#### **5. Conclusion**

To sum up, the inheritance and development of local music culture in music education in colleges and universities is very important. Multimedia technology is based on traditional knowledge and affects traditional music education with its advanced and unique function. Therefore, we should strengthen the hardware facilities of multimedia, improve the teachers' ability to use multimedia, make better use of multimedia in music teaching in colleges and universities, improve the teaching efficiency in the classroom, and create efficient classroom in colleges and universities. Local folk music is the root of all kinds of music forms and music creation. The inheritance and development of music culture should be the goal of music education in colleges and universities. Only by comprehending the charm of local folk music and combining the local folk culture in music education can we better develop the local folk culture and music education in colleges and universities. There is no passive water in the world. Only by tracing its source can there be better development. Therefore, the inheritance and development of local folk music in music education in local colleges and universities is very necessary.

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