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Exploring the Path of Integrating Red Culture into Music Aesthetic Education Teaching in Science and Engineering Colleges—Take Guilin University of Technology as an Example

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Abstract: *Red culture, which is one of the representatives of advanced socialist culture combined with the actual national conditions of China. It is a classic material for the music aesthetic education curriculum in higher education institutions. In the construction of the aesthetic education curriculum system of science and technology, we should explore the materials of music education in red culture, combine them with the teaching of music aesthetic education, and explore the teaching path of music aesthetic education, so that college students can have patriotic ambition under the cultivation of Chinese red culture, combine their personal dream with the Chinese dream, and actively participate in the construction of the motherland. Aiming at the cultivation characteristics of talents in science and engineering colleges, such as "rigorous, rational thinking, hard work, craftsman spirit, innovative spirit", this paper abstracts the red spirit and works displayed in the red culture. And integrate it into music aesthetic education teaching, which is beneficial to enhance the students of science and engineering colleges of red culture aesthetic consciousness and humanistic quality.*

Keywords: *Red culture; Aesthetic education of music in science and technology; Teaching path*

The Connotation of Red Culture and Its Aesthetic Value

Red culture is one of the representatives of advanced socialist culture combined with the actual national conditions of China. It presents to the world the essence of multiple red spirits in the course of China's modern development, and is the mark of loyalty and patriotism of generations of revolutionary pioneers.

Red Culture Connotation

Red culture, one of the representatives of advanced culture created by the Chinese Communists leading the people and combined with the actual national conditions of China. From the perspective of specific physical objects: red culture includes red revolutionary stories, red revolutionary sites and red historical relics, etc. These red physical objects are both rich and precious spiritual treasures and exemplary examples of unified educational significance. Entering the new era, multiple cultures intermingle and collide with each other, and red culture also plays a unique value and significance in music aesthetic education.

From the perspective of historical: red culture can be divided into the new democratic revolution, socialist modernization and reform and opening up; It can be further divided into the founding of the Communist Party of China, the Agrarian Revolutionary War, the Second Sino-Japanese War, the War of Liberation, The socialist transformation of New China and the building of socialism with Chinese characteristics.

From the perspective of morphology: red culture can be divided into material and immaterial forms. The material form of red culture includes revolutionary exhibition galleries, martyrs' cemeteries and sites, etc.; the immaterial form of red culture includes the red spirit and fine cultural traditions, such as the spirit of the Long March, the spirit of Yan'an and the spirit of anti-American aid.

Red Culture Aesthetic Value

The red spirit, ideal and faith reflected in the red culture are the spiritual guidance for college students in the new era to establish world outlook, outlook on life and values.

First of all, red culture has aesthetic value, which is mainly expressed in the aesthetic value of red characters and the aesthetic value of red works. The red characters of different times reflect the red spirit of different times, and these red spirits can inspire and educate modern people. For example, the righteous revolutionary pioneers represented by Li Dazhao in the early days of the founding of the Communist Party of China; the brave and fearless revolutionary heroism of Huang Jiguang, Qiu Shaoyun and Dong Cunrui during the revolutionary war; the selfless dedication of Lei Feng and Kong Fansen in the era of peace; and the sense of responsibility of the times demonstrated by the medical workers in the new era to fight against the new pneumonia epidemic. On the road of "standing up, getting rich and getting strong", the charisma exuded by these red figures has profound aesthetic value. Red works also have aesthetic value. Red songs and red-themed movie works have aesthetic characteristics and are generally loved by the public. For example, the revolutionary films such as "The Battle at Lake Changjin" and "The Sacrifice" in 2021, as well as the theme song of the film, "Heroic Hymn", describe the heroic image of volunteer soldiers defending their country. It makes us feel the heroic spirit of the heroes killing the enemy bravely and fearlessly for the peace of the motherland in the battlefield.

Secondly, red culture has a unique nurturing value. Red culture not only reflects the spirit of traditional Chinese excellent culture, but also embodies the aesthetic pursuit of Chinese sons and daughters. The continuous excavation of the value of red culture and the in-depth study of the combination of red culture and music aesthetic education have a very profound impact and significance on the implementation of curriculum reform, cultivating students' sentiment, improving students' aesthetic ability and helping students to establish correct values in polytechnics colleges and universities.

The Integration of Red Culture into Music and Aesthetic Education in Science and Engineering Colleges: The Example of Guilin University of Technology

Analysis of the Current Situation of Curriculum

Vol.2 No.12 2021
https://doi.org/10.37420/j.cer.2021.093

The Department of Humanities and Quality Education of Guilin University of Technology was established in the 2017year, in which the Department of Public Art Teaching and Research is the main teaching unit for the implementation of music and aesthetic education in the whole university, and the Art Education Center is the main educational practice base for the implementation of music and aesthetic education. In the principle of curriculum system construction, it follows the principles of "combining theory and practice", "combining arts and science", "combining local and international", " online and offline", "in-class and out-of-class (first classroom and second classroom)", "in-school and out-of-school (in and out)" six "combination "principle, to build a public art curriculum system. At present, the main course of the public art teaching and research department that combines red culture with music and aesthetic education is "Red Songs and Party History".

1. Introduction to the Course "Red Songs and Party History" Combined with Red Culture

The current music course offered by the Public Art Department in conjunction with red culture is "Red Songs and Party History". This course will be offered to all undergraduates in September 2021. Red songs are songs that praise and sing praises of the revolution, the Party and the motherland. It is not only an expression of the spirit of the times and the spirit of the nation, but also an example of the unity of artistic charm, red aesthetic meaning and social education function. This course allows students to learn the history of the Party, appreciate the red songs, sing the red songs, understand the touching stories of the Party behind the red songs, feel the red cultural meaning of the red songs, and experience the powerful spiritual power of the red melodies. Through the four links of "lecture-appreciation-discussion-practice", the course allows contemporary college students to understand the classic red songs in the history of the Party and let them feel the charm of it. The course will guide college students to establish correct values, let the new generation of college students link their personal growth and success with the development of the nation and the country, integrate their personal dreams into the Chinese dream, and consciously shoulder the mission given to the young generation of college students by the times.

2. Teaching Objectives of the Course "Red Songs and Party History" Combined with Red Culture

Knowledge objectives: to understand the stories and knowledge of Party history behind the classic red songs; to feel the red cultural implications of the red songs and to grasp the profound influence of the red songs in different historical periods.

Ability objective: make students know better, enhance self-confidence, cultivate moral character, improve practice, etc; cultivate students' appreciation, analysis and aesthetic ability of red song works;

Quality objective: to enhance the education of students' ideals and beliefs, national spirit and revolutionary spirit, so as to make them more confident in the road of socialism with Chinese characteristics; to integrate their personal dreams into the Chinese dream, so that they can consciously shoulder the mission given by the times to the young college generation.

3. Course Evaluation Mechanism for the Course "Red Songs and Party History" Combined with Red Culture

This course uses three evaluation mechanisms: mutual evaluation, school academic system evaluation, and

second classroom practice evaluation.

(1) Mutual evaluation mechanism includes teacher-student mutual evaluation, student-student mutual evaluation and teacher-teacher mutual evaluation. Teacher-student mutual evaluation means that teachers use questionnaires such as Questionnaire Star to develop the questionnaire criteria for each lesson, which is helpful for teachers to update their teaching ideas and methods in time. The student-student assessment means that the teacher will organize each group of students to complete an in-class practice demonstration at the end of each chapter, and each group will evaluate and score each other. Teacher-teacher mutual evaluation means that teachers often invite experienced peer teachers to listen to their classes, and the teaching office will have supervisors come to listen to classes regularly for teacher teaching evaluation and give guidance.

(2) The evaluation mechanism of the school's academic affairs system refers to the uniform evaluation mechanism of the school's academic affairs system every semester in conjunction with the first classroom credit system for aesthetic general education.

(3) The evaluation mechanism of the second classroom practical activities refers to combining the credits of the first classroom general aesthetic education course and the credits of the second classroom aesthetic education course, integrating the grades of the first classroom course and the grades of the practical activities in the "second classroom transcript", and conducting practical tests on the theoretical learning of students in the course. Combining theoretical knowledge and practice in the general education course of aesthetic education is not only an active attempt to match the second classroom practical education of aesthetic education with the first classroom teaching, but also a concrete implementation to improve the environment of aesthetic education in science and engineering colleges and universities and establish an integrated system of teaching and practical education of science and technology aesthetic education courses. At the same time, it makes the course achieve the goal of establishing moral education, educating people with beauty and promoting patriotic spirit policy.

Analysis of the Current Situation of Student Learning

The results of the data from the questionnaire survey on the evaluation and satisfaction of the course "Red Songs and Party History" developed by the teacher of the course yielded the following analysis of the current situation of student learning.

1. Male to female ratio: 67.37% for males and 32.63% for females.
2. Grade ratio: 1.27% for freshman year, 77.97% for sophomore year, 10.59% for junior year, and 24% for senior year.
3. Proportion of majors: 83.9% for science and technology, 13.14% for arts, and 2.97% for art.
4. Whether students are interested in the course or not: 98.73% are interested and 1.27% are not interested.
5. Whether students are satisfied with the teaching methods of the course instructors: 89.27% are very satisfied and 10.73% are generally satisfied.
6. Students' evaluation of the teaching style and classroom language of the course instructor: 90.56% excellent, 9.01% good, 0.43% qualified, and 0% failed.
7. Students' evaluation of the course assessment: 85.84% excellent, 12.88% good, 1.29% pass and 0% fail.

Vol.2 No.12 2021
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Through the analysis of the survey results, it is concluded that the majority of students who took the course are science and technology majors, and 98% of them are interested in the course. The current teaching methods, classroom evaluation and assessment mechanism are also very much recognized. Through some messages from students, we can feel that students have a good impression of the course in general and have some suggestions and ideas about the teaching methods.

The Path of Integrating Red Culture into the Teaching of Music and Aesthetic Education in Science and Engineering Colleges

Exploring the Point of Integration of Red Culture and Music and Aesthetic Education in Science and Engineering Colleges

Based on the analysis of the characteristics of science and engineering colleges and universities, we analyze the characteristics of their "school spirit, school philosophy, talent training mechanism and locality" and explore the corresponding aesthetic materials in red culture for the education and teaching of music and aesthetic education.

1. Discovering the Fusion Point of Red Culture and the Spirit of School Motto in Science and Engineering Colleges

Take Guilin University of Technology as an example, the school follows the school motto of "Virtue and learning, but real and new". We inherit and promote the spirit of "hard work, dedication, unity and cooperation, pioneering and innovative". Therefore, to explore the spirit of "hard work, dedication, solidarity, innovation and craftsmanship" in the red culture is the main combination with the teaching of music and aesthetic education.

2. Discovering the Fusion Point of Red Culture and the Philosophy of Science and Engineering Colleges

Take Guilin University of Technology as an example, the school insists on the philosophy of "educating people, establishing quality, developing talents and strengthening science and technology". Therefore, it is necessary to explore the red culture of "the concept of science and technology to strengthen the country, the rigorous attitude of practicality and science, the idea of keeping up with the times, the spirit of taking responsibility, the ideal and belief education of rising to the challenge and not being afraid of hardship" and combine it with the teaching of music and aesthetic education.

3. Discovering the Fusion Point of Red Culture and the Locality to Which Polytechnics Belong

Take Guilin University of Technology as an example, the school is located in Guilin, a beautiful tourist spot in Guangxi Zhuang Autonomous Region, so it can explore the red culture "red culture materials of different periods with the locality and nationality of Guangxi" and combine it with the teaching of music and aesthetic education. For example, during the anti-Japanese war, how the compatriots of various nationalities in Guangxi started the anti-Japanese patriotic movement, the red songs and heroic figures passed down in them,

as well as the red cultural sites and exhibition halls unique to Guangxi.

4. Discovering the Fusion Point of Red Culture and School History of Science and Engineering Colleges

According to the school history and other school-based materials, we can explore the relevant red culture connotation and carry out education of love and honor for the school. For example, taking Guilin University of Technology as an example, the dance "Polar", which combines the history of the university and the background of geology, won the first prize in the dance A group and the excellent creation prize in the 6th Guangxi University Art Exhibition. The spirit of "struggle, innovation and dedication" shown in the work is the inheritance of the red culture of the new era and the artistic presentation of the spirit of Guilin University of Technology, so it is also a point of integration with the teaching of music and aesthetic education.

Exploring the Integration of Red Music into the Teaching of Music and Aesthetic Education in Science and Engineering Colleges

Red music is both a component of red culture and a unique form of expression of red culture. Through the positivity and positive energy they contain, excellent red music works can inspire students' patriotic emotional resonance, make them understand the patriotic sentiments carried by excellent red music works in different eras and their cross-generational significance, and realize the unique nurturing function of red music.

1. Constructing a Red Music Aesthetic Curriculum System for Polytechnics

Red music can be divided into six genres: "red songs, red opera, red traditional opera, red dance drama, red symphony and red instrumental music". In order to make the use of red music in the teaching and practice of music aesthetic education courses in science and technology more reasonable, feasible and systematic, we can set up a red music aesthetic education curriculum system and open relevant courses, such as: "appreciation of red opera works", "appreciation of red drama", "appreciation of red ballet", "appreciation of red symphony and red instrumental music" and other courses. Taking into account the characteristics of "school spirit, school philosophy, talent cultivation mechanism and locality" of polytechnics, the corresponding aesthetic education materials in different red music genres are explored and used in the education and teaching of music aesthetic education.

2. Development of Red Music Aesthetics Curriculum Materials

Any curriculum cannot be supported by teaching materials. The music and aesthetic education courses in science and technology institutions need to sort out what to teach, how to teach and other issues, and need to be based on curriculum standards and teaching materials. In July 2021, the National Textbook Committee of China issued the "Guide to Incorporating Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era into Curriculum and Teaching Materials", which requires careful implementation in all universities, schools and colleges nationwide in curriculum and teaching materials, education and other aspects of human education. The guide clearly mentions: "Combine the unique advantages and resources of each discipline to achieve organic integration of the history of the Party, the history of New China, the history of reform

Vol.2 No.12 2021
https://doi.org/10.37420/j.cer.2021.093

and opening up, and the history of socialist development." The document also puts forward the requirements for the preparation of teaching materials according to the characteristics of students of different academic levels: "At the university level, the emphasis is on forming theoretical thinking, realizing the transformation from academic cognition to belief generation, and enhancing mission responsibility." From the height of the two documents, it is easy to see the current support of the state for the value of nurturing red culture such as revolutionary spirit. Therefore, the music aesthetic education courses in polytechnics colleges and universities should also develop reasonable curriculum standards and compile course materials with professional, artistic and aesthetic qualities in order to better point out the right direction for aesthetic education classroom teaching. The selection of outstanding works in the teaching materials should follow the characteristics of the "school spirit, school philosophy, talent training mechanism and the locality" of the polytechnic institutions. The subjects of the selected works should be diversified, not only involving red songs, but also red operas, red dance dramas, red operas and other genres.

Exploring the Integration of Classroom Teaching and Practical Education of Red Music Aesthetic Education

Music is the art of performance, which has strong practicality. Strengthening the combination of the first classroom and the second classroom of music aesthetic education is the guarantee to build an integrated system of classroom teaching and practical education in science and engineering colleges. Taking Guilin University of Technology as an example, it actively explores the second classroom practical education that matches the first classroom teaching of aesthetic education, and builds an integrated system of classroom teaching and practical education in science and engineering colleges and universities that deeply integrates "the first classroom and the second classroom". Therefore, to strengthen the organic combination of the first classroom and the second classroom of music aesthetic education, students can truly understand and appreciate the value of red culture, so that they can have emotional resonance, and make music aesthetic education teaching achieve the goal of nurturing people.

The first classroom of red music aesthetic education is combined with the second classroom of the aesthetic education base, taking the theme of "Red Memory—Red Songs to the Loveliest People" just launched by Guilin University of Technology as an example. The open day activity of the aesthetic education base is based on the first classroom teaching of the course "Red Songs and Party History", which is a concrete practice of combining the teaching contents of the first classroom. Through this performance, the students not only expressed their respect for the martyrs of anti-American aid, but also stimulated and showed the artistic talents of science students. This organic combination made the 300 participating students feel the value and significance of red culture, and at the same time, opened a red music and culture journey from the aesthetic perspective of music.

Combining classroom knowledge and practice in music and aesthetic education courses is not only an active attempt to match the first classroom teaching of aesthetic education with the second classroom practical education of aesthetic education, but also a concrete implementation of improving the environment of aesthetic education in polytechnic institutions and establishing an integrated system of teaching and practical education of aesthetic education courses in polytechnics.

Summary

Red culture is a national treasure. In recent years, the state attaches great importance to the transmission of red genes in university education, and how to integrate red culture with school curriculum is a topic that universities have been trying to explore. The cultivation of talents quality in science and engineering colleges has its own characteristics. As an important part of college aesthetic education curriculum, music aesthetic education curriculum should be adapted to the background of the new era, perfect the music aesthetic education curriculum system of science and engineering colleges, and explore the path of integrating red culture into music aesthetic education of science and engineering colleges. It is beneficial to improve the students' aesthetic consciousness and humanistic quality of red music, strengthen their ideals and beliefs, and help them establish correct values.

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[3] 2021Research Project of Guangxi Philosophy and Social Science Planning in 2007 "Research on Digital Conservation and Exhibition of Revolutionary Cultural Relics in Southwest Minority Areas".

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