Article

Innovative Path of Civic Education in College Vocal Music Program under the Perspective of Architectural Design

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Abstract: This study explores the influence of the environmental design of teaching facilities on the ideological-political education of vocal music courses in colleges and universities, and proposes a path of ideological-political education based on the innovation of teaching space and facilities. With the increasing importance of civic education in art courses, the design of teaching facilities and environmental layout play an increasingly prominent role in promoting students' ideological and political education. By analyzing the functionality, emotional experience and value transmission of teaching space, this paper proposes a strategy to optimize the teaching environment of vocal music courses, aiming to enhance the penetration of ideological and political education through reasonable teaching facility design. Combined with practical cases, the study explores the influence of teaching environment on teacher-student interaction, students' thinking and emotional development, and evaluates the practical significance of innovative environmental design in enhancing the effect of Civic and Political education. The results show that scientific facility environment design can effectively enhance students' experience of Civic-Political education and promote the overall development of students' comprehensive quality.

Keywords: architectural design; vocal program; civic education; innovative path; interior design

1. Introduction

It was pointed out that classroom teaching should be used as the main channel to carry out ideological and political work throughout the entire process of education and teaching, enhancing the affinity and relevance of ideological and political education, and meeting the needs and expectations of students' growth and development. Therefore, the design of teaching facilities and environment of vocal music courses is particularly important. The design of teaching facilities and environment can be attributed to a part of interior design, and the design of light and sound is a key part of it. For light design, we have to pay attention to the brightness and level of lighting, modeling and arrangement of lamps, natural light and artificial light and other conditions; for sound design, we have to pay attention to the reflection performance of the environment acoustic wave, the absorption and penetration performance of the environmental cross-section, and the geometry of the space and so on [1]. Therefore, in the Civic Education in college vocal music course, the design of teaching facilities and environment, we have to give the Civic Education course a strong infectious force and expressive power through more reasonable and scientific sound and light design, which promotes the communication between people and space, and the interaction between people, so as to improve the efficiency of the students' learning in the college vocal music course [2].

Specifically, the teaching facilities and environment create a well-lit, warm and comfortable environment through strict and scientific architectural design, which helps teachers and students adjust their mindset and carry out Civic and Political Education with a

positive mindset. In addition, in terms of interior design, the use of music, sculpture, paintings and other artistic elements, to create an educational environment filled with elements related to civic education, is conducive to the resonance of students and the environment, expanding the breadth and depth of civic education, so that civic education does not stay on the surface of the touch, but rather, straight to the depths of the soul of the touch. In this paper, we analyze the role and influence of teaching facilities and environment on college vocal civic education from several aspects, so as to explore the innovative design of civic education courses combined with teaching facilities and environment in depth.

2. The Role of Teaching Facilities and Environment on the Ideological Education of Vocal Music Courses in Colleges and Universities

A symposium for teachers of ideological and political theory courses in schools that our current classroom teaching effect needs to be improved, and teaching research needs to be intensified and ideas need to be expanded. For the classroom teaching effect of Civic and Political Education, we find that learning motivation is an important factor in whether students can deeply devote themselves to learning, while good external conditions, such as a rich learning environment and a strong cultural atmosphere, are one of the triggering conditions for students' learning motivation [3]. Therefore, in the ideological and political education of vocal music courses in colleges and universities, it becomes more and more important to create an environment that can satisfy students' learning motivation through reasonable teaching facilities and environmental design. For example, in vocal music education related to China's modern and contemporary history, the thoughtful integration of lighting, sound effects, and visual elements can vividly recreate the social atmosphere of different historical periods. By combining these artistic techniques with explanations of the historical context, students can gain a deeper understanding of the Chinese people's journey from hardship to resilience and ultimately to national rejuvenation. This immersive approach helps students reflect on history, fosters patriotic sentiment, and inspires them to learn from the past, strengthening their determination to contribute to the nation's future progress. In such a scenario, students can be deeply involved in the learning of vocal music and political education, and the political education of vocal music courses can achieve twice the result with half the effort. Civic education without a carrier can only stay on the surface, and it is difficult to go deeper. Art is the most beautiful language of the accumulation of emotions in the long history of mankind, which can transcend the barriers of time and space, geography, culture and language, and directly touch the depths of people's hearts and minds [4]. In the design of the teaching environment of Civic and Political Education, art is used as a carrier to carry the core of Civic and Political Education and build a bridge to the students' psychology. To this end, the architectural design integrates the theoretical knowledge of socialism with Chinese characteristics in the new era, socialist values, and Marxist ideology into the environment's layout, making ideological and political education not just an abstract theory, but a tangible experience. Under the support of teaching facilities and environmental design, the vocal music course and political education are combined into a brand-new organism, which can realize the chemical reaction of $1 + 1 > 2$, and both of them promote each other, enriching the emotional experience of students and enhancing their thinking, so that the political education really achieves the effect of "silencing" [4]. The two are mutually reinforcing.

2.1. Facilitating the Interaction between Emotional Resonance and Ideological and Political Education

It was shown at a symposium for teachers of ideological and political theory courses in schools that it is necessary to adhere to the unity of indoctrination and enlightenment. Scientific environmental design can help students be better inspired and achieve emotional resonance in ideological and political education. Some studies have shown that the

visual elements, color, light and spatial layout of the teaching environment and so on can affect the emotions and behaviors of the educated, and warm colors and sufficient natural light can improve the vitality and enthusiasm of students [5]. Civic education in vocal music courses in colleges and universities, moreover, needs a good teaching environment, so as to drive the students' emotions, improve students' enthusiasm in the classroom, and promote students' acceptance of Civic education. With the purpose of improving the teaching quality of Civic and political education and vocal education, the design of the teaching environment is based on how to make students devote themselves to the classroom as the primary purpose. Firstly, the design of surround 3D sound effects, 360° sound effects can help students to block the interference factors of external sound; secondly, the design of multiple sets of light combinations to simulate the environment of the revolutionary era. Under the atmosphere created by the sound effects and light, students feel as if they were in the revolutionary era, facing the difficulties faced by the revolutionary forefathers, realizing what the revolutionary forefathers thought, and better able to produce emotional resonance. On this basis, with the red background picture, red objects and other elements, students are like standing on the land of the revolutionary era, screaming in pain at the China that is in a state of devastation, and roaring in anger at the invading powers. With the design of teaching facilities and environment, students participating in Civic Education can better realize how difficult China was at that time, and how the Communist Party was able to lead China to the present stage under such difficult conditions, and they can better feel the greatness of the Communist Party.

The teaching environment of the vocal classroom civic education is the need for a combination of natural light and artificial light. Research shows that natural light has a great impact on the classroom environment, in a classroom with sufficient sunlight, students' body and mind have a good feeling, and their learning efficiency can be greatly improved; while in artificial light, red light has a longer wavelength and is the first color that people can perceive, which can cause the effect of excitement, and make people easily associate it with uprightness, justice, and the spirit of revolution [6]. Therefore, when it comes to the education of vocal music theoretical knowledge, it is necessary for the teaching environment to meet a certain amount of natural light, while in the Civic and Political Education that needs to perceive the spirit of revolution, it is necessary to have red artificial light, so as to make the students and the vocal music backstory emotionally resonate, so as to improve their emotional identity and internalization of values. With the comprehensive pairing of vocal theory knowledge and civic education, students can not only have emotional resonance with national and classical music in civic education, promoting their understanding and perception of music; they can also participate in the interaction of civic education in the teaching of vocal knowledge, stimulating students' interest in civic education and improving their participation in civic education.

2.2. Enhancement of the Cultural Carrying Capacity of the Contents of Political Education

The revolutionary culture and advanced socialist culture, forged by our party while leading the people through revolution, construction, and reform, have provided profound strength for the development of civic and political courses. And reasonable and scientific architectural design can enhance the cultural carrying capacity of the content of the civic and political education. For the vocal music course, the civic and political education of the vocal music course in colleges and universities makes the art no longer a medium of individual expression, but a bond connecting the past with the present situation, the individual with the society, and the local with the nation [7]. As a representative of the new generation of students, the cultural inheritance power of the content of the Civic and Political Education is reflected in the cultural self-confidence, a strong cultural carrying capacity can increase their own cultural self-confidence, and in the face of the impact of foreign cultures, they can not only firmly inherited the excellent local traditional culture, but also learn the advantages of other people's cultures to feed their own culture. At the same time

to enhance cultural self-confidence is not only the need for personal growth and success, but also the inevitable requirements of the historical mission and social responsibility [8]. Therefore, how to use architectural design to enhance the cultural carrying capacity of the vocal music course and political education is particularly important, for this reason, the design of the vocal music teaching environment needs to be relevant to the theme of political education, and closely around the local history and culture, for example, the wall display of revolutionary historical works, excellent red works, red art, red music and its creative background, and other elements, and set up a special functional area of the theme of political education, with the use of vocal education together. It is used together with vocal education. Through the scientific design, the excellent historical and cultural atmosphere filled with the teaching environment of civic education, students feel the historical and cultural inculcation all the time, the cultural carrying capacity of the content of the civic education has been enhanced, in the long run, it will naturally enhance the students' sense of identity and pride in the excellent traditional Chinese culture, and enhance the students' cultural self-confidence, coupled with the civic education of the vocal program in colleges and universities, students will be more sensitive to the elements of civic education. Coupled with the civic education of vocal music courses in colleges and universities, students will be more sensitive to the civic elements, and all kinds of civic elements are no longer obscure and difficult to understand theoretical explanations for students, but are effective helpers for students to learn the spirit of the revolution, to enhance their cultural self-confidence, and to learn the excellent traditional Chinese culture.

2.3. Facilitating the Organic Integration of Ideological Education and Art Teaching

It was pointed out at a symposium for teachers of ideological and political theory courses in schools that the synergy effect of all kinds of courses with the construction of ideological and political courses has yet to be enhanced. In the context of the new era, the organic integration of ideological and political education and art teaching is very necessary, which can not only improve the quality of teaching, but also deepen the cognition of students, and promote the improvement of the ideological and political quality and moral cultivation of students [9]. For this reason, the environmental design has set up a special area for course design, encouraging students to design the ideological and political education of vocal courses, and in this area, there are professional vocal instruments, such as instruments with a cultural flavor guzheng, erhu, suona and other instruments and a wealth of ideological and political education materials, which include the core values of socialism, China's outstanding traditional culture, Xi thought and so on. Through this design, students are encouraged to create vocal music courses related to the Civic and Political Education, and promote the students to participate in the unification and integration of vocal music and Civic and Political Education. In addition, there is also an exhibition area specializing in displaying students' achievements, collecting students' excellent works and displaying the works designed by students, setting up a discussion area and an evaluation area in which other people can participate in the discussion and evaluation of the works of vocal music and civic-political education, so as to achieve the goal of improving students' participation in civic-political education and promoting the further integration of civic-political and artistic education by means of discussion and exchanges, and the authors can also make further improvements according to the feedbacks. The authors can also make further modifications and improvements according to the feedback, so that their works can further conform to the socialist values and be more relevant to the patriotic theme. This kind of interdisciplinary environmental design can break the limitation of the traditional single teaching mode and provide students with a broader space for Civic and Political Education, so that they can gradually understand and practice the socialist core values in practical operation and artistic expression.

3. The Innovative Path of Civic and Political Education Design in Combination with the Environment of Teaching Facilities

It was pointed out at the opening ceremony of the seminar on adhering to bottom-line thinking and focusing on preventing and resolving major risks for major leading cadres at the provincial and ministerial level that it is necessary to attach great importance to the ideological and political work of the young generation, improve the system of ideological and political work, and constantly innovate the content and form of ideological and political work. The red education element is an important position for cultivating patriotic feelings and red gene inheritance, which can cultivate students' high sense of historical responsibility, patriotic sense of mission, tenacious will and noble quality, broaden the space of ideological and political education, endowed with important ideological and political education value, and vivid and vivid form of education, which can enhance infectious and persuasive power, and can guide college students to enhance the spirit of patriotism in an imperceptible way [10]. Environmental design through the design of the red environment, including the revolutionary spirit, the socialist spirit and other red educational elements of the laying of national songs, patriotic songs surround the educated people surrounded by a strong patriotic atmosphere, so as to realize the subtle influence. A central stage podium is set up in the teaching space, which reduces the distance between the students and the podium by creating a way for students to surround the teacher, brings the relationship between teachers and students closer, and promotes the communication between teachers and students, as well as the cooperation between students and students. In addition, around the classroom with giant LED screen, audio equipment, color lighting equipment and dry ice and other equipment, to create a historical background atmosphere, closer to the distance between the students and the Civic Education, to break the divide between the students and the existence of Civic Education, to improve the penetration and influence of Civic Education. The immersive setting is more likely to cause students' resonance and empathy, improve the quality of teaching, and enable students to form a correct worldview, outlook on life, values, and become qualified socialist builders and successors in the course of learning vocal music. At the same time, it is also in line with the requirements of the National Civic and Political Science Class that the Civic and Political Theory Class should be "customized according to the events, advanced according to the times, and new according to the situation".

3.1. Creation of Multifunctional Cultural and Artistic Spaces

At a symposium for teachers of ideological and political theory classes in schools, it was emphasized that schools serve as the front line of ideological work, rather than being isolated like an ivory tower or a peach blossom. In order to strengthen the role of the frontier levy of colleges and universities, through the design of teaching facilities and the environment, the use of reasonable and scientific lighting and sound design, the establishment of multi-functional cultural and artistic space, to bring a strong visual impact to the audience, to create a good performance mood [11]. With a variety of colors of artificial lighting combinations, and in the surrounding arrangement of surround speakers, the environmental design emphasizes on the red elements of the arrangement of artwork, sound, light and the integrated use of vision, to help students quickly penetrate into the red mood, feel the spirit of the revolution, the spirit of the Long March, the spirit of the May Fourth and so on, and to cultivate their social commitment and sense of responsibility. In the multi-functional culture and art space, the school can use different types of space according to the needs of the theme of ideological and political education, and there are two main types of space design layout, one is circular space, characterized by the extensive use of artificial light and sound, to create an immersive teaching environment, mainly used for a particular historical scene; the other type of space layout is the long strip, characterized by the space's mobility, the long spatial layout is conducive to the story of the timeline of the layers, with gentle music and gentle lighting, to create the atmosphere of

the flow of time, mainly used to explain the development process of history. Civic education of college vocal music courses can choose different space layout according to different topics of civic education, targeted course design and course education, scientific environment selection, can better civic education tasks. Through the use of two kinds of space layout, it can stimulate the students' ideology of civic education, improve their cultural self-confidence and cultivate their sense of social responsibility.

3.2. Visual Integration of Art and Civic Education Elements

It was said at a symposium for teachers of ideological and political theory classes in schools that history is the best teacher. The application of VR technology can transcend time and space, realizing the transformation of students' identities, and allowing students to perceive history in the first-person subjective identity, with the help of audio-visual fusion of immersiveness and the intimacy of virtual reality, students are able to establish a unique emotional link, which not only produces a strong emotional experience but also amplifies the perception and makes it easier to produce "empathy and resonance" with the educator of the ideological and political education. And amplify the perception, more likely to produce and ideological and political educators feel the same "empathy and resonance" to help students understand the red culture, inherit the red genes, feel the red history [12]. Environmental design in the vocal course teaching place set up red VR area, in the use of high-tech products, art and ideological education elements highly integrated into one, to help students immersive participation in the historical scene, and realize the hardships of the establishment of new China. Secondly, the red literary works such as "Red Rock", "Song of Spring", "Ordinary Time" and so on the classic part of the excerpts, arranged on the walls of the building, so that each student who comes to study the vocal course can feel the national sentiment contained in the text, the visual integration of art and civic and political education elements, and constantly impact on the students' field of vision, so that the students can more quickly enter into the state of civic and political education. The visual integration of art and elements of Civic and Political Education constantly impacts students' vision, enabling them to enter the state of Civic and Political Education more quickly. In order to make the young generation remember the history of the Party, different events in China at different times are set up in the staircase steps in the order of the timeline in the form of art, so that every time they go up the stairs, they are touring through the long river of China's history. By designing many art works in the teaching environment of the vocal course that integrate art and ideological education, it creates a continuous visual impact on students, promotes further innovation and development of the ideological education of the vocal course in colleges and universities, and promotes the formation of correct socialist core values and the view of history among students.

3.3. Integration of Intelligent Teaching Environments and Interactive Technologies

A congratulatory letter to the International Conference on Artificial Intelligence and Education indicates that China attaches great importance to the profound impact of AI on education, actively promotes the in-depth integration of AI and education, and facilitates educational change and innovation. The teaching method of communicating with historical figures can promote students' understanding of historical events and deepen their impression in a way that helps them answer historical confusions. To this end, the AI high-tech character square was designed, using AI algorithms, inputting historical materials to shape highly similar historical character models, and projecting them in the teaching area through 3d projection technology, such as the famous composer of the March of the Volunteers, Nie Er, through the communication and interaction with "Nie Er", the students can deeply understand the Through the communication and interaction with "Nie Er", students can deeply understand the historical background at that time, and deeply realize the psychological activities and creative thinking of the composer Nie Er, which on the

one hand can improve the students' knowledge of vocal music, and on the other hand, improve the spiritual realm of the students' political thinking, which promotes the depth of the civic education. On this basis, a multimedia platform is also designed to supplement the detailed introduction of the historical background and vocal knowledge of the characters by utilizing the projection screen and audio explanation, which organically unites the information of multiple dimensions, strengthens the connection between them, and forms a broad knowledge system, thus broadening the breadth of the Civic and Political Education. Through the combination of depth and breadth, the integration of intelligent teaching environment and interactive technology is skillfully utilized to break through the education mode of traditional textual introduction, to create an innovative point of the civic education of vocal music course, to promote the efficient completion of the civic education of the vocal music course in colleges and universities, to motivate students to participate in the civic education, and to improve the students' social commitment and sense of social responsibility.

4. Conclusion

This paper carries out the design of teaching facilities and environment for the civic education of vocal music courses in colleges and universities from the perspective of architectural design, utilizing light, sound, visual impact, artistic design and high-tech and other design influences on students' civic education of vocal music courses to carry out research, and analyzing from multiple perspectives, to find the design of facilities and environment suitable for the civic education of vocal music courses. In addition, architectural design is utilized to organically integrate vocal knowledge and political education to achieve the degree of "you have me and I have you", to promote students' learning of both knowledge and to open up a broader perspective for students. Through high-tech facilities such as AI, multimedia and projection, it also creates a multi-functional art and cultural space, enhances the depth and breadth of the Civic and Political Education of the vocal music course, promotes the formation of the correct socialist core values of the students and creates high-quality and comprehensive talents for the university.

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