

RESEARCH ON THE IMPACT OF THE NATIONAL VOCATIONAL EDUCATION PLATFORM'S AESTHETIC EDUCATION RESOURCES ON AESTHETIC EDUCATION IN CHINA

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Abstract

This article evaluated the impact of the aesthetic education resources of the National Vocational Education Platform on aesthetic education in China. A qualitative research method was used to study its contribution to teaching innovation, cross-border integration, cultural inheritance, and career development. The qualitative stage included a literature review and case study to identify key impact dimensions and form a basic research model. The results showed that the platform's resources significantly enhanced students' innovative thinking, comprehensive expression skills, cultural awareness, and career development capabilities. In particular, diversified teaching methods and combining art with other disciplines were found to enhance students' innovative and expressive abilities. Multiple regression analysis confirmed these effects, showing that the platform effectively supported students' educational development. The results highlight the key role of the National Vocational Education Platform in enriching China's aesthetic education, promoting interdisciplinary learning, and improving students' career preparation.

Keywords: National Vocational Education Platform, aesthetic education resources, teaching innovation, interdisciplinary integration, cultural heritage, career development

Introduction

The National Vocational Education Platform occupies a central position in China's vocational education system. The platform integrates and shares vocational education resources, providing not only traditional skills training, but also increasingly aesthetic education resources, such as art, music, and dance courses. These resources are intended to broaden the horizons of vocational students and enhance their innovation and cultural literacy. The introduction of aesthetic education helps to balance technical education with humanistic education and cultivate an innovative and adaptable workforce to meet rapidly changing career needs.

This study aims to evaluate the impact of aesthetic education resources provided by the National Vocational Education Platform on students' artistic literacy and creativity.

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Specific objectives include: analyzing the use of these resources to understand how they help improve teaching effectiveness and students' artistic skills; evaluating the accessibility, diversity, and quality of these resources; exploring how they meet the needs of different students and promote educational equity; and identifying challenges and opportunities in the promotion of aesthetic education and proposing optimization suggestions.

Studying the aesthetic education resources of the vocational education platform can help improve their efficiency, thereby improving the overall quality of education. Aesthetic education can enhance students' creativity, cultural literacy, and critical thinking skills, which are essential for adapting to a rapidly changing career environment.

Literature Review

Aesthetic Education Theory Overview

Aesthetic education aims to cultivate students' artistic literacy, aesthetic abilities, and creativity. John Dewey emphasized the integration of aesthetic education with life experiences, promoting aesthetics and creativity through practice. Herbert Read proposed the perception-expression-understanding model, developing artistic abilities through the perception of art.

Aesthetic education has evolved from the transmission of techniques and traditional aesthetics to modern integrated arts education. The 20th-century Bauhaus school emphasized the comprehensive cultivation of emotion and knowledge; modern aesthetic education focuses on interdisciplinarity and practicality, fostering students' creativity and critical thinking. Digital aesthetic education expands educational boundaries through technological means, enhancing student engagement and innovation. Aesthetic education emphasizes comprehensive development, including emotional, cognitive, and aesthetic aspects. It advocates for personalized education, encouraging students to develop their artistic potential according to their interests while promoting the integration of arts with other disciplines, fostering social responsibility and cultural understanding.

Overview of Vocational Education Platforms

Vocational education platforms, such as online learning platforms providing skills training and career development opportunities, have seen significant growth with the advancement of internet technology in recent years. Researchers like Gao Wei (2018) and Stephen Downes (2019) have explored the impact of collaborative learning and personalized learning, highlighting that interactive collaboration and data-driven personalized pathways are crucial for skill development. Jim Spohrer (2020) emphasized the construction of vocational education platform ecosystems, advocating for open innovation and partnerships. He Yalong (2017) focused on online teaching design and learning evaluation, demonstrating how effective online courses and assessment tools can enhance vocational abilities and practical skills.

With rapid economic and technological innovation, vocational education platforms have emerged to fill the gap in vocational skills training left by traditional education. Despite providing significant support for students' career development, vocational education platforms still face several challenges.

The Role of Digital Resources in Aesthetic Education

Digital resources play an important role in aesthetic education due to their diversity and accessibility. Studies have shown that these resources enrich educational content and increase student engagement in the arts. For example, Zhang Xiaoyan (2015) studied how digital resources inspire students' creative interest and aesthetic abilities in art education, particularly the application of digital technology in art presentation and appreciation. Wang Xin (2018) explored the use of virtual reality technology in visual arts education, examining how immersive experiences promote students' innovative thinking and artistic expression. Liu Ming (2019) and Huang Hua (2020) respectively highlighted the importance of digital

imaging technology and design software in enhancing students' creative and technical practice abilities.

Digital resources significantly broaden students' channels for art appreciation through widespread accessibility and technological diversity. The development of virtual reality (VR) and augmented reality (AR) technologies allows students to experience immersive art appreciation, exploring the details and background stories of artworks. The internet makes global artworks and educational resources easily accessible, greatly enriching students' learning materials and perspectives. However, the application of digital resources also faces challenges. Firstly, there are issues of quality and authenticity of resources, as not all online resources are verified, requiring teachers to rigorously screen them to avoid misleading students. Secondly, copyright and intellectual property issues are common legal obstacles, necessitating educators to understand and obtain legal authorization before use.

Research result

Through qualitative research methods, this paper conducts an in-depth analysis of the aesthetic education resources of the national vocational education platform, aiming to provide strong theoretical and practical guidance to support aesthetic education teaching and curriculum design in vocational education.

Data Sources

This article collected various resources on aesthetic education on the national vocational education platform, including teaching content, case analysis, research papers, and teaching videos on art and traditional Chinese culture. These resources cover a variety of fields such as performing arts, art theory, dance, music, film and television, and traditional culture, totaling about 300,000 words of text information. NVivo software was used for systematic classification and coding, providing a solid data foundation for in-depth analysis of the characteristics, value, and internal connection of aesthetic education resources in vocational education.

Open Coding

To effectively analyze the aesthetic education resources of the national vocational education platform, this study used NVivo software for preliminary coding. By setting predefined themes, such as different subcategories of art and traditional Chinese culture, the data was preliminarily classified through the automatic coding function. Automatic coding quickly classifies data by theme based on keyword recognition and context analysis. After the coding is completed, manual review and adjustment are carried out to ensure that the theme content is accurately reflected. Finally, after completing the preliminary coding, the data has presented a structure that conforms to the theme. The coding at this stage enables us to quickly identify the main trends and conceptual frameworks in the data, laying the foundation for subsequent in-depth research. In this step, we can also discover the distribution of data and potential connections between concepts in certain predefined themes, providing direction for the subsequent construction of the analysis model.

Table 1 Open coding results

Subject	Reference point
Red Classics and Revolutionary Spirit	Performing Arts: "The Warmth of Half a Quilt," "Youth Soars Under the Party's Banner," and "The Great River Sings" showcase the inheritance of red spirit.
	Musical Works: "The Leader Walks to the South Lake Boat," "Journey," and "Pure as Water" are songs that celebrate the revolutionary spirit.
	Literature and Drama: "The Transmission of Red Classics: Integrating Virtue and Skill to Cultivate Artisans," and "Shui Diao Ge Tou" interpret the diverse expressions of revolutionary spirit in different historical contexts.
	Courses and Research: "Construction of the 'Appreciation of Red Classic Music

	Works' Course in Universities and Curriculum Ideology and Politics" and research on Huxiang red classic music appreciation courses.
Performing Arts and Music	Performing Arts and Music: Works such as "Sons and Daughters of Western Fujian," "Morning Light in Yao Mountains," and "Impressions of Hangzhou" celebrate national unity and patriotic sentiments.
	Dance and Idioms: "The Aesthetic of Chinese Dance and Its Fascinating Connection with Chinese Idioms," and "Military Dreams: My Dreams" combine traditional culture with modern dance, showcasing national spirit and culture.
	Ethnic Instrumental Music: Ethnic chamber music pieces like "Yue Feng" and "High Mountains and Flowing Water" embody the values of national unity.
	Documentaries and Research: "Exploring the Value of Ethnographic Documentaries from the Perspective of Film Aesthetic Education" highlights the cultural diversity of different ethnic groups.
Aesthetic Education Courses and Teaching Innovation	Course Development: Art courses for primary and secondary schools like "Silk Road Splendor: Painting Beautiful Yunnan" and project-based learning courses under "Great Art" emphasize diversified teaching innovation.
	Course Construction: Innovative practice and exploration in curriculum ideology and politics in the "Chinese Ethnic Instrumental Ensemble" course, and the construction of the online course "Chinese Creative Art."
	Theoretical Research: "On the Core Competencies and Their Cultivation of Art University Students in the New Era," and "Practical Research on Typical Movements in Chinese Classical Dance under the Micro-course Teaching Model."
	Practical Courses: Dance performances such as "Ripples," "Peach Blossom Note," and the trio dance "Pomegranate Blossom" emphasize practical courses.
Integration of Dance and Music	Dance and Music: "Spirit and Movement" and "Ode" combine dance with musical works, showcasing diverse forms of expression.
	Theatre and Multimedia: "Lingnan Dance Creation and Multimedia Technology Application" and "River and Sea Water Village Dance: Flower Drum" explore the application of multimedia in dance and theatre.
	Handicrafts and Art: Micro-specialty in Ceramic Education and exhibitions like "Red River Bamboo Weaving" showcase the integration of handicrafts and visual arts.
	Theatre and Therapy: "Drama Therapy" and "Grand Kunqu Opera: Cultivating Kunqu Talent" explore innovative uses of theatre in psychological therapy and expression.
Literature and Classical Aesthetics	Literature and Dance: "The Aesthetic of Chinese Dance and Its Fascinating Connection with Chinese Idioms," "Peach Blossom Note," and the literary work "Timeless Classics: 30 Tang Poems" create an aesthetic experience combining literature and dance.
	Poetry and Painting: "Artistic Poetry Appreciation," "Ode to Red Plum," and "First Encounter with Nalan" blend poetry and painting for creative expression.
	Han Music and Ritual Dance: "Silent Beauty of Han Music and Dance" and "Aesthetic Practice Paths in Ritual Dance Training."
	Kunqu Opera and Ecology: "Integrating Five Beauties: Aesthetic Ecological Model of Chinese Kunqu Opera" and "Kung Fu in Opera."
Ritual Music	Ritual Music: "The Ceremony of China" and the red original chamber music work "Elegant Gathering" combine the aesthetic concepts of ritual and music.
	Ethnic Music: "Zheng and Chamber Music: High Mountains and Flowing Water" and "Ethnic Orchestra: Journey" with a Guzheng ensemble concert emphasize the integration of traditional rituals and music.
	Opera Music: The newly composed "Qin Opera Theme Rhapsody" and the Banhu solo piece "Autumn Festival" explore the combination of opera music and opera rituals.
	Traditional and Modern: The course "Chinese Traditional Music Based on New Information Technology" endows traditional music with new value.
Professional Pathways and Development	Dance and Professionalization: "Factors Influencing the Professionalization of Ballet Dancers" explores the challenges and strategies in the path towards professional dance careers.

Strategies	Art Education: "Construction of Art Public Elective Courses in Art Vocational Colleges" studies the development of vocational art education and its industry impact.
	Music Strategies: "National Unity, Heartfelt Dedication to the Party, and Praise for China through Guzheng Ensemble Concerts" examines the influence of Guzheng ensemble concerts in the professional music field.
	Handicraft Art: "Training Innovative Design Talent in Copper Handicraft Art" represents the career development in the field of handicraft art.
Theatre and Audience Experience	Theatre and Audience: "The Impact of Artistic Techniques in Immersive Theatre on Audience Experience" demonstrates the practical application of theatre theory.
	Art and Curriculum: "Construction of Art Public Elective Courses in Art Vocational Colleges" highlights the uniqueness of art theory in curriculum development.
	Intangible Cultural Heritage and Inheritance: "The Practice of Integrating Intangible Cultural Heritage into Campuses in Art Vocational Colleges from the Perspective of Aesthetic Education" emphasizes the combination of intangible cultural heritage education and practice.
	Micro-Specialties: "Construction and Practice of Micro-Specialties in Ceramic Education" provides practical case studies on micro-specialty construction and teaching strategies.

Axial Coding

Table 2 Axis coding results

Dimensions	Concepts	Project reference points
Ethnic Cultural Heritage and Red Themes	Red Classics and Revolutionary Spirit	<p>Performance Works: Works such as "Half a Blanket Warmth," "Youth Flying Under the Party Flag," and "The Great River Songs" depict stories of revolution and heroic deeds, showcasing the inheritance of the revolutionary spirit.</p> <p>Musical Works: Songs like "The Leader Heading to Nanhu Boat," "The Journey," and "Clear as Water Initial Aspirations" praise the revolutionary spirit of the Communist Party of China and its great leaders.</p> <p>Literature and Drama: Literary and dramatic works like "Red Classics Performance Cultivates Artisans in Passing on Virtues and Skills" and "Water Tune Head" interpret the diverse expressions of the revolutionary spirit in different historical contexts.</p> <p>Curriculum and Research: Studies such as "Construction of the 'Red Classics Music Appreciation' Course in Universities and Course Integration with Ideological and Political Education" and the implementation of the Huaihua Red Classics Music Appreciation Course under the concept of educating people in an all-around way, construct an educational model for red culture.</p>
	Patriotic Sentiment and National Spirit	<p>Performance and Music: Works like "Children of Western Fujian," "Morning Light of Yao Mountain," and "Reflections of Hangzhou" sing praises of national unity and patriotic sentiment.</p> <p>Dance and Idioms: Productions like "The Aesthetic Relationship between Chinese Dance and Chinese Idioms" and "Military Dream, My Dream" combine traditional culture with modern dance, showcasing the national spirit and historical culture.</p> <p>Ethnic Instrumental Music: Ethnic chamber music pieces such as "Wind from Yue" and "Flowing Water in High Mountains" embody the value of national unity through traditional instrumental music.</p> <p>Documentaries and Research: Studies like "Exploration of the</p>

		Value of Ethnic Documentary Films from the Perspective of Film and Television Aesthetic Education" showcase the cultural diversity and inheritance of different ethnic groups.
Artistic Education and Diverse Integration	Artistic Education Curriculum and Teaching Innovation	<p>Curriculum Development: Diverse courses such as the elementary and middle school art curriculum "Silk Road Splendor: Painting Beautiful Yunnan" and the project-based learning course "Great Arts," emphasize diverse teaching innovations.</p> <p>Curriculum Construction: The innovative practice exploration of ideological and political education in the "Chinese Ethnic Instrumental Ensemble Course" and the construction of the online course "Chinese Creative Arts," explore comprehensive artistic education teaching models.</p> <p>Theoretical Research: Studies like "On the Core Literacy and Cultivation of Contemporary Art College Students" and "Research on Typical Movements of Chinese Classical Dance under the Micro-course Teaching Mode," elucidate the application of artistic education theory in innovation.</p> <p>Practical Courses: Emphasis on the importance of practical courses with artistic creation - dance works such as "Ripple," "Peach Blossom Scroll," and the stage art creation of the trio dance "Pomegranate Blossoms."</p>
	Cross-Border Integration and Comprehensive Expression	<p>Dance and Music Integration: Dance performances like "Spirit in Motion" and "Hymn" combined with music, showcase the diverse expressions of dance and music integration.</p> <p>Drama and Multimedia Technology: Exploration of multimedia technology applications in drama and dance in productions like "Creation of Lingnan Dance and Application of Multimedia Technology" and "Dance Drum in Jianghai Water Town."</p> <p>Handicrafts and Fine Arts: Exhibitions like the traditional Red River bamboo weaving craft exhibition and the construction and practical research of the pottery education micro-specialty, showcase the diversity of the integration of handicrafts and fine arts.</p> <p>Drama and Psychotherapy: Exploration of cross-border innovation in drama arts in psychotherapy and comprehensive expression in productions like "Drama Therapy" and "Great Kunqu Opera: Bacon Forging Souls and Cultivating Kun Opera Seedlings."</p>
Traditional Aesthetics and Artistic Exploration	Literature and Classical Aesthetics	<p>Literature and Dance: Works such as "The Wonderful Connection between Chinese Dance Aesthetics and Chinese Idioms," "Peach Blossom Scroll," and the literary work "Classic Representation - 30 Tang Poems" create an aesthetic experience combining literature and dance.</p> <p>Poetry and Painting: Works like "Appreciation of Artistic Poetry," "Red Plum Blossoms," and "First Encounter with Nalan" combine poetry and painting in creative expression.</p> <p>Han Music Dance and Etiquette Culture: Research on the aesthetic practice path of "Silent Beauty of Han Music Dance" and the training of body and etiquette dance, explore the value of traditional etiquette and Han music dance in aesthetic education.</p> <p>Kunqu Opera and Drama Ecology: Construction of the aesthetic ecology of Kunqu Opera and drama in works like "Appreciating Five Beauties Together - Constructing the Aesthetic Ecology of Chinese Kunqu Opera" and "The Skills of Opera," showcasing the integration of Kunqu Opera and drama in aesthetic education.</p>
	Music and Ritual	Ceremonial Music: Works like "Chinese Ceremonies" and the

	Tradition	<p>original indoor ensemble piece "Elegant Gathering," construct an aesthetic concept combining etiquette and music.</p> <p>Ethnic Music: Emphasis on the integration of ethnic music and traditional ceremonies in works like "Zither and Chamber Music - High Mountain and Flowing Water," "National Orchestral Music - The Journey," and concerts of zither ensemble music.</p> <p>Opera Music: Exploration of the comprehensive expression of opera music and opera ceremonies in works like "Newly Compiled Qin Opera Thematic Fantasia" and the solo piece "Autumn Society" for the banhu, a traditional Chinese string instrument.</p> <p>Traditional and Modern Fusion: "Localization of Chinese Traditional Music Course with New Information Technology" combines new information technology with traditional music, giving new value to music tradition.</p>
Artistic Innovation and Professional Development	Professional Pathways and Development Strategies	<p>Dance and Professionalization: "Research on the Factors Influencing the Professionalization Pathway of Ballet Dancers" explores the challenges and strategies in the professionalization of dancers.</p> <p>Art Education and Skills: "Construction of Public Elective Courses in Fine Arts for Higher Vocational Art Colleges" studies the development of higher vocational art education and its industry growth.</p> <p>Music Career Strategies: "Ethnic Unity as One Family, Zither Heart Towards the Party, Praising China" examines the impact of zither ensemble concerts in the professional music field.</p> <p>Handicraft Art Training: "Cultivating Talents for Innovative Design in Hand-Beaten Copper Art" represents the career development in the field of handicraft art.</p>
	Theoretical Exploration and Practical Research	<p>Theater and Audience Experience: "The Impact of Artistic Expression Techniques in Immersive Theater on Audience Experience" showcases the application of theoretical research in the theater field.</p> <p>Art and Curriculum Design: "Construction of Public Elective Courses in Fine Arts for Higher Vocational Art Colleges" demonstrates unique aspects in art theory research.</p> <p>Intangible Cultural Heritage Art and Inheritance: "Practical Research on Intangible Cultural Heritage Education in Art Vocational Colleges from the Perspective of Aesthetic Education" emphasizes the integration of intangible cultural heritage education and practice.</p> <p>Art Micro-Specialties: "Construction and Practical Research of Ceramic Education Micro-Specialties" provides practical cases in the construction and teaching strategies of micro-specialties in art education.</p>

Select Coding

The concepts refined from the above research results are systematized and structured. The model clearly shows the connection between the core concepts and specific projects in each dimension, forming a clear research structure. This not only shows the inherent connection between concepts but also reveals the intersection and integration between topics, providing a theoretical framework and practical guidance for constructing aesthetic education resources in vocational education.

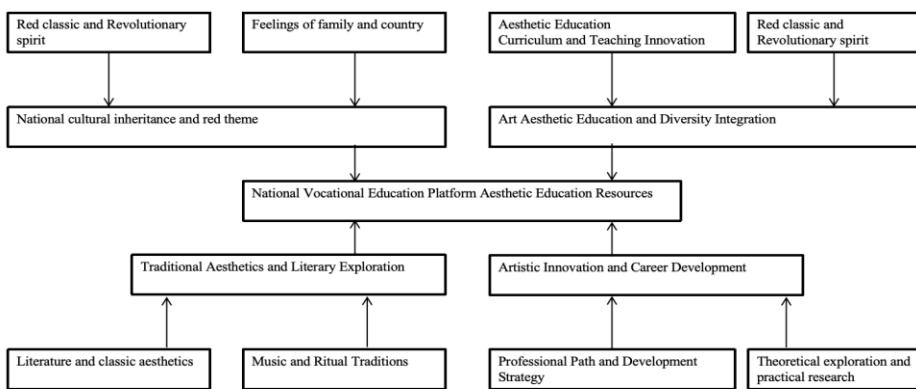


Figure 1 Model of Aesthetic Education Resources on the National Vocational Education Platform

Research conclusion

This article analyzes data through three-level coding of grounded theory and finds the advantages of aesthetic education resources on the national vocational education platform. These resources cover a wide range of topics from traditional culture to modern artistic expression, enriching the teaching content of vocational education and providing a variety of educational approaches to improve students' comprehensive quality and cultural literacy, revealing the significant impact of aesthetic education resources on teaching innovation, cross-border integration, national cultural inheritance and career development.

Results and discussion

Current Usage of Aesthetic Education Resources on the National Vocational Education Platform and Their Specific Impact on Aesthetic Education

Teachers generally report that the aesthetic education resources provided by the National Vocational Education Platform have played a positive role in promoting students' innovative thinking, comprehensive expression abilities, cognition of national culture, and development of vocational skills. Specifically, diverse teaching methods and interdisciplinary projects have significantly enhanced students' innovation and expression abilities; rich traditional cultural content has deepened students' cultural cognition and patriotism; and specialized courses and practical projects have effectively promoted students' vocational development.

Comparison of Research Results with Literature Review

The results of this study are consistent with existing literature in several aspects. For example, the importance of teaching innovation is also emphasized in the study by Smith and Johnson (2017), and the positive effects of diverse teaching and innovative projects reported by teachers in this study provide further empirical support for this theory. Additionally, regarding the impact of cross-disciplinary integration, Garcia's (2018) research also indicates that the combination of multimedia and art can significantly enhance students' expression abilities, which is consistent with the results of this study. However, this study also reveals some differences from existing literature, particularly in the breadth and depth of educational resources. It points out that the National Vocational Education Platform still needs to strengthen the provision of certain aesthetic education resources, which is consistent with the issue of inadequate online education resources highlighted by Wang (2019) and Lee (2020).

Potential Implications of Research Findings

The findings of this study have various potential implications for aesthetic education practice, policy-making, and future research. First, in terms of educational practice, the study emphasizes the necessity for the National Vocational Education Platform to enrich and improve aesthetic education resources. To enhance teaching quality and students' comprehensive development, the platform needs to further develop in diverse teaching methods, interdisciplinary integration, and the application of multimedia technology. Second, the research provides important guidance for educational policy-making. Education management departments should enhance support for online education platforms to ensure the wide coverage and high quality of aesthetic education resources, promoting the balanced development of educational resources. Lastly, future research should further explore how to optimize the resource allocation and utilization efficiency of online education platforms, especially in the application effects in different regions and educational levels. This includes analyzing the performance of aesthetic education resources in practical applications and evaluating their effectiveness in enhancing students' aesthetic literacy in different educational environments.

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