The Application of High Impact Teaching Method in Art and Design Education

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Abstract: This paper aims to explore the application of high-impact teaching method in art design education, and discusses the application effect, practical cases and future prospects of high-impact teaching method in art design education. Through project-based learning, flipped classroom and other practices, students' creativity, critical thinking, teamwork and problem-solving skills have been significantly improved. In the future, art and design education should be deeply integrated with science and technology, cultivate a global vision, and integrate the concept of sustainable development.
***Keywords*:** High-impact teaching method; Art and design education; Creativity

1. Introduction

As an important way to cultivate creative talents, art and design education faces increasingly complex social needs and diverse student backgrounds. Traditional teaching has been difficult to meet the needs of modern art design education, so it is particularly important to explore and apply high-impact teaching methods. High impact pedagogy is a student-centered approach that enhances student learning outcomes by enhancing student engagement, promoting deep learning, and enhancing critical thinking skills.

2. Effect analysis of the application of high-impact teaching method in art design education

2.1 Enhance students' creativity

High impact pedagogy can significantly enhance student creativity by providing diverse learning experiences and hands-on opportunities. For example, project-based learning and case studies can stimulate students' creativity and inspiration, allowing them to constantly explore and innovate in their practice. At the same time, flipped classrooms and problem-based learning can also provide students with more self-directed learning time and space, allowing them to use their imagination and creativity more freely. [1]

2.2 Cultivate critical thinking

High impact pedagogy focuses on developing critical thinking in students, enabling them to think independently, analyze and solve problems. For example, in case analysis, teachers can guide students to conduct in-depth analysis and discussion of design cases, so as to cultivate their critical thinking and judgment skills. At the same time, problem-based learning also allows students to face real problems and challenges, prompting them to explore and think deeply.

2.3 Enhance teamwork ability

High impact teaching emphasizes teamwork and communication skills. For example, in cooperative learning, students can learn from each other, inspire each other, and solve problems together. This way of learning can not only enhance students' teamwork skills, but also develop their communication skills and leadership skills. [2]

2.4 Improve problem solving ability

High impact pedagogy develops students' problem-solving skills by providing real problems and challenges. For example, in problem-based learning, students can explore and learn practical problems in the field of design, so as to master the methods and skills to solve problems. At the same time, project-based learning and case analysis can also allow students to constantly exercise and improve their problem-solving skills in practice.

3. Application practice of high-impact teaching method in art design education

3.1 Project-based learning practice of "Future City" course

With the acceleration of urbanization, the construction and development of future cities has become a topic of great

concern. The course aims to cultivate students' comprehensive literacy in urban planning, environmental protection, scientific and technological innovation, and improve students' innovation ability and practical ability through project-based learning.

In the specific teaching process, the teacher divided the students into several groups, and each group selected a project topic related to the future city, such as smart cities, green buildings, etc. Students use the professional knowledge, combined with the actual situation, project planning, design, implementation and other processes. During the course of the project, teachers provide the necessary guidance and support to help students solve the problems they encounter. In the end, students will display their results in groups and share the project process and experience.

Through project-based learning, students not only master professional knowledge, but also develop teamwork, problem solving and other skills. At the same time, students have a deeper understanding and thinking about the construction and development of future cities. However, there are also some problems in the process of the project, such as tight time arrangement and large differences among individual students. Therefore, teachers need to pay more attention to these issues in future project-based learning, and make plans and preparations in advance. [3]

3.2 "Color composition" course flipped classroom practice

In art and design education, teachers can use the flipped classroom model to let students learn professional knowledge independently through videos, courseware and other teaching resources before class, and mainly for discussion, practical operation and other activities in class.

Before class, the teacher will make the basic knowledge of color composition into videos, courseware and other teaching resources, and upload to the network platform. Students watch these teaching resources independently before class to initially understand the basic principles and skills of color composition.

In class, teachers organize students to have group discussions and share their self-study experiences and doubts. Then, the teacher guides the students to carry out practical operations, such as color matching exercises, color psychological effect analysis, etc. During the practice, teachers tour to guide students and help them solve problems they encounter. Finally, the students will display their achievements in groups and share the practice process and experience.

After class, students consolidate their knowledge through online tests, homework and other forms. At the same time, teachers evaluate and feedback students' works to help students further improve and improve. Through flipped classroom practice, students' learning interest and initiative have been significantly improved, and their academic performance has also been improved. However, some students lack self-discipline when they study independently before class, resulting in poor classroom discussion and practice. Therefore, teachers need to strengthen the supervision and guidance of students in the future flipped classroom practice.

3.3 "Practical operation course" educational practice

Art design education needs to pay attention to the cultivation of practical ability. Therefore, increasing practical courses is an important way to improve the quality of art design education. This course aims to cultivate students' hands-on ability and practical innovation ability through practical operation. The course content includes manual production, material application, process technology and other practical operations.

The teacher divided the students into several groups, and each group was assigned different practical tasks. According to the task requirements, students carry out hands-on operations such as manual making and material application. During the practice, teachers provide the necessary guidance and support to help students solve the problems they encounter. At the same time, teachers encourage students to use their imagination and creativity to try different production methods and techniques.

Through the practical operation course, students not only master the basic skills of hand-making and material application, but also cultivate the practical innovation ability and team cooperation spirit. At the same time, students have a deeper understanding and understanding of the art and design industry. However, there are also some problems in the practice process, such as insufficient equipment, material shortage and so on. Therefore, schools need to increase the input and support for practical courses in the future art design education.

4. Prospects for the application of high-impact teaching methods in art design education

With the continuous deepening and innovation of education concept, high-impact teaching method has shown infinite potential and broad application prospects in the field of art design education.

4.1 Deep integration of technologies

Advances in technology are reshaping the boundaries of art and design in ways never before possible. The integration of cutting-edge technologies such as virtual reality (VR), augmented reality (AR) and artificial intelligence (AI) has brought revolutionary changes to art and design education. Through high-impact pedagogy, these technologies can be subtly integrated into the teaching process, creating a highly immersive and interactive learning environment. For example, using VR technology, students can freely explore design inspiration in virtual space, which not only greatly enriches their design experience, but also significantly improves their creative conception and practical operation ability.

4.2 Global educational perspective

Driven by the tide of globalization, art design education must cultivate students' international vision and cross-cultural communication ability. High-impact teaching Bridges the world through international collaborative projects, online learning communities, and international academic exchanges. These activities not only give students the opportunity to engage and understand design concepts and methods in different cultural contexts, but also promote their ability to engage in creative exchange and collaboration on a global scale. [4]

4.3 Education concept of sustainable development

In the face of increasing environmental challenges, sustainable development has become an integral part of art and design education. The high impact approach encourages students to incorporate environmental concepts and social responsibility into their design practice, and through the establishment of projects related to sustainable design, students are guided to focus on and think about how to reflect the respect and protection of natural resources in design. This approach not only enhances students' sense of social responsibility, but also encourages them to deepen their understanding and recognition of the principles of sustainable development and contribute to the construction of a greener and more harmonious society.

5. Conclusion

High impact teaching method has wide application prospect and remarkable teaching effect in art design education. By providing diverse learning experiences and hands-on opportunities, these pedagogies can significantly enhance students' creativity, critical thinking, teamwork and problem-solving skills. Therefore, it is of great significance to promote high-impact teaching methods in art design education. In the future, we need to further strengthen teacher training, improve teaching facilities, establish evaluation system and other aspects of the work, to provide strong support and guarantee for the implementation of high-impact teaching methods.

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