

The Application of Digital Technology in the Teaching of Sculpture in Colleges and Universities

Song Han

Nanjing University of Media and Communication, Jiangsu Nanjing 210000

Abstract: With the development of the country and the development of science and technology, digital technology has gradually entered the eyes of the public, as a new teaching method, it has the characteristics of three-dimensional strong sense and can break the limitations of space. The effective application of digital technology in sculpture teaching in colleges and universities is of great significance to the quality improvement of art education and sculpture teaching practice in China. Based on the application status of digital technology in sculpture teaching in colleges and universities, this paper elaborates the characteristics of sculpture teaching in digital colleges and universities, and puts forward several application strategies of digital technology in sculpture teaching in colleges and universities, hoping to help readers.

Keywords: Digital technology; Tertiary education; Teaching sculpture; Application

1. Introduction

The combination of digital technology and sculpture teaching in colleges and universities has changed the traditional sculpture teaching method, and the teaching content and methods of sculpture courses have been optimized and adjusted. The application of digital technology in college sculpture teaching can be optimized through different means, methods, processes, etc., while ensuring the stability of the traditional sculpture teaching mode, it has realized the update of course content and effective innovation of teaching form, which is an important help to improve the learning interest and enthusiasm of college students and promote the all-round development of students.

First, the application status of digital technology in sculpture teaching in colleges and universities

Under the requirements of the new curriculum standards, the reform of education models and teaching courses is also deepening, and the integration of emerging technology and digital technology into sculpture teaching in colleges and universities is also to further improve the quality and efficiency of teaching and help students better grasp the content of sculpture teaching. Although many colleges and universities have introduced digital technology and applied this technology in sculpture teaching practice, due to the lack of in-depth understanding of the cognition and role of this technology, the value of this technology has not been fully exerted in the teaching practice of sculpture in colleges and universities, and the application effect is not ideal. As a relatively old art form, sculpture will inevitably conflict between the previous teaching methods and the new teaching methods. In the past, the teaching method divided the teaching of sculpture in colleges and universities into sculpture concept theory courses and sculpture practice courses. To put it simply, the teacher first explains the basic knowledge of sculpture and the steps of making sculpture to students, and then guides students to practice, make sculpture, understand theory from practice, and understand practice from theory. In this process, students are prone to a problem, that is, students have a high degree of acceptance of theoretical knowledge, but this understanding is false, and once practiced, it will happen as if they do not understand anything. This leads to teachers being able to constantly switch between theoretical teaching and practical teaching, and the quality and efficiency of sculpture teaching practice in colleges and universities will be greatly reduced ^[1]. Digital technology is to use advanced information equipment, all kinds of information, pictures, and even sounds and other information content, with the help of three-dimensional modeling this three-dimensional way to display, can give students a more intuitive teaching experience. With the help of digital technology, teachers can better display their teaching ideas in the practice of sculpture teaching in colleges and universities, and do not have to use obscure language to express them. Moreover, digital technology can also simulate the form that teachers want to present to students, organically integrating theory and practice to achieve better teaching results. In general, the traditional college sculpture teaching practice can not be replaced, and digital technology can only be regarded as a new type of teaching method at best, which can not truly replace the traditional teaching mode, but can enable students to more effectively master the basic knowledge of

sculpture, but also master the skills of making sculpture, until students can express their thoughts and emotions with the help of sculpture works, and achieve real artistic expression.

2. The Characteristics of Digital Sculpture Teaching

First of all, the teaching of digital sculpture is of great practical significance. Digital technology is a new type of technology with a wide range of applications and can effectively improve the quality of sculpture teaching. The sculpture major in colleges and universities is mainly to cultivate students' practical operation ability and innovation ability, which is also the basic requirement for talents in the current social development. Therefore, colleges and universities need to pay attention to digital technology when teaching sculpture, and through the effective use of digital technology, students can improve their practical operation ability and understanding of sculpture teaching knowledge in colleges and universities. In general, the application of digital technology in the teaching of sculpture in colleges and universities can not only effectively improve students' innovation ability and practical operation ability, but also promote the effective improvement of students' comprehensive quality.

Secondly, the teaching of digital sculpture is highly technical and technical. In the context of the digital age, sculpture education is also facing new challenges and opportunities. The traditional teaching mode of sculpture is mainly based on the combination of theory and practice, although this teaching method can lay a solid foundation for students, but it cannot cultivate students into comprehensive talents with innovative ability, practical operation ability and good aesthetic concept. Therefore, when teaching sculpture, teachers need to assist students through digital technology^[2].

Third, the application method of digital technology in sculpture teaching in colleges and universities

Digital technology itself has strong flexibility and efficiency, and it also has advantages such as accuracy, so the application of digital technology in college sculpture teaching can break through the limitations of space. In the past, the traditional teaching mode, for the round sculpture, relief sculpture and other sculptures in the teaching of sculpture in colleges and universities, the production time was relatively long, and the space was relatively small, and it was difficult for teachers to intuitively show them to students. Based on this, this paper puts forward some suggestions for the characteristics of digital technology and the application of digital technology in college sculpture teaching.

(1) The application of sculpture types

Sculpture can be divided into many contents, including but not limited to relief sculpture, round sculpture, open-cut carving, etc., which are three-dimensional sculptures that can be observed in multiple dimensions and positions. In digital technology, the production method of round sculpture can be started from the following perspective. First, the teacher can first draw three-dimensional effect graphics on the computer, and secondly, use the effect drawings as the basis for sculpture. This method not only breaks the limitation of space, but also saves the cost and time of shaping the sculpture. For relief, in essence, it belongs to the organic fusion and derivative of painting and sculpture, mainly with the help of compression methods and perspective methods, reflecting a three-dimensional sense. In terms of the shaping and production of relief, because it is the product of the combination of sculpture art and painting art, then whether it is painting or sculpture, the expressiveness of one of them will inevitably be affected, and the artistry of the two cannot be fully exerted, nor can it be fully integrated. Digital technology can effectively handle this situation. In general, there are two ways in which digital technology deals with the problem of relief. First of all, teachers can adjust it with the help of computer modeling, so as to fully reflect the beauty and artistry of the two. Secondly, teachers can combine the two with the help of picture tools and painting tools to make reliefs.

(2) Build a sound digital technology application system

In the practice of sculpture teaching in colleges and universities, teachers should have a comprehensive and in-depth understanding of the use of digital technology, and students should also have a clear understanding of the application of digital technology in the teaching practice of sculpture in colleges and universities. With the application of digital technology in sculpture modeling, master and understand the connotation of sculpture and further expand their ideological dimension. In essence, modern sculpture art is interpenetrating, and the connotation and extension of sculpture art are constantly enriching and expanding, so the application of digital technology in sculpture teaching in colleges and universities should have a clear normative system. For example, in the practice of virtual embodiment of sculpture entities and digital technology to produce relief effects, a corresponding normative system has been built, which can promote students to have a deeper perception of the overall and spiritual connotation of sculpture art. Whether teachers lead students to digital technology training, or the practical ability of three-dimensional modeling of sculpture, or extend and expand the application scope of digital technology in the teaching practice of sculpture in colleges and universities, students should have a certain mastery and

basic understanding of digital technology, which is of great help to cultivate and strengthen students' personal ability and the future employment of Yijishan students.

3. Conclusion

The application of digital technology in modern sculpture teaching can effectively improve students' interest in learning, let students better understand sculpture art, and promote the improvement of students' thinking ability. In addition, the application of digital technology to modern sculpture teaching can also promote the development of students' innovative thinking ability, let students transform from the traditional sculpture learning method, and help students better grasp the characteristics and laws of modern sculpture art.

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