

# The application of multimedia technology in the teaching of Contemporary Ceramic Art

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**Abstract.** Ceramic art is a kind of art form with national characteristics in our country. Traditional ceramic teaching has become difficult to adapt to the present state of art. In the middle of the 20th century, the education of Ceramic Art has gained a brand-new development period. During this period, China's modern ceramic art education has drawn a lot of experience in ceramic art education abroad, it has promoted the development of China's ceramic art and adapted it to the requirements of today's Times. Nowadays, with the popularization of multimedia technology, the teaching of Ceramic Art has got a certain degree of progress, so that it can better combine the needs of the times and society in the Information Age, and develop more perfect teaching system and teaching idea. In this paper, the status of multimedia technology and the present situation of ceramic art teaching and the three main drawbacks are introduced, and how to solve these problems through multimedia technology. The combination of multimedia technology and pottery teaching is the inevitable development of modern teaching, and it is also a kind of main channel for the teaching of Ceramic Art in the field of contemporary education.

## The Application Status, Advantages and Necessity of Multimedia Technology

**The Application of Multimedia Technology.** In the twenty-one century, the rapid development of science and technology has led to the rapid development and renewal of other industries, among which multimedia technology is one of the most rapidly developing technologies. With the development of society and People's needs, it has been widely used in various industries and fields, especially in the field of teaching and education, the wide application of multimedia technology makes the teaching level of our country improved obviously compared with the past. In daily life, the use of multimedia technology has enabled people to gain a broader and more comprehensive understanding of the State of Information and social development in all areas, it also deepens people's understanding and mastery of everyday abstract objects.

**The Advantages of Multimedia Technology.** Compared with the traditional teaching methods, multimedia technology-assisted teaching has its unique advantages as a new teaching method and means, compared with the traditional teaching methods, there are three distinct advantages: immediacy, visualization, and intuitiveness. Teachers have a unique advantage in gaining access to information and resources in various fields using multimedia technology, which facilitates the expansion of teaching resources and enriches the intermingling of various fields, therefore, it provides more possibilities for the innovative teaching, innovative ideas and innovative channels of ceramic art. At the same time, teachers and students can understand the abstract art language of modern pottery and improve their learning efficiency by watching pictures, video, text fast, image and intuitiveness. Secondly, with the help of multimedia technology, the teacher can designate ceramic teaching content, innovative design, group discussion and training, and then meet regularly for evaluation and research, and give feedback on the later teaching, make full use of the existing teaching resources to make the student's ceramic art study more advanced.

**The Necessity of the Application of Multimedia Technology in the Teaching of Ceramic Art Course.** Multimedia teaching as a way of auxiliary teaching has been improved technologically and methodologically through years of practice and improvement. From the visualized point of view, multimedia teaching has been widely recognized, firstly because of its convenience in teaching resources and the use and management of the rich teaching resources by using multimedia technology, it is necessary for the development of teaching to interact with and integrate a wide

range of information and to develop a strong, perfect and systematic teaching system. Secondly, because the multimedia technology breaks down the traditional rigid classroom mode, thus the teachers pass information through pictures, video and text in the course of teaching, leaving a vivid impression on students, such teaching aims are precisely what is needed in modern education. Therefore, the rational use of multimedia technology is of great significance for teaching in the ceramic art course.

### **The Current Situation of Ceramic art Course Teaching in China**

Most of the teaching of Ceramic Art in China still adopts the concept of education and teaching based on skill, but as an independent subject specialty, the lack of the ideas of unique and creative makes it easy to fall into the vacuum of technology, making the creator a so-called "craftsman". Therefore, it is difficult for the ceramic art discipline to establish its own characteristics in the art sector. Therefore, how to train students to have independent thought, strong hands-on ability and some creative ideas in the course of ceramic art creation; how to improve the quality of Ceramic Art Education; is the main goal of this course.

However, there are still many obvious defects in the teaching of Ceramic Art in China, which mainly include three points:

**Lacking a Perfect Teaching System.** China's ceramic art education system is in the stage of development, or is in the traditional "workshop", "the teacher-apprentice" concept level, the "teaching" and "learning" separation, without change and innovation, and these problems are also common in Chinese art education. Ceramic art education should be regarded as a kind of art education which pays attention to the creation of relaxed mentality, but the art education in our country attaches too much importance to textbook teaching and makes it too rigid. While most modern ceramic works belong to the product between sculpture and design, Chinese traditional ceramic art education is more at the extremes of these two kinds, the curriculum is too simple, the curriculum system is not perfect, especially the lack of innovation in teaching. As far as the whole education is concerned, China's present ceramic art teaching will make the students lose their competitive power in this field gradually. This is an issue that can't be ignored.

**The Lack of Comprehensive Knowledge Structure.** The current ceramic art teaching often neglects the cultivation of the students' comprehensive knowledge structure, although the technique is also a training that can not be ignored, however, as a kind of professional teaching, ceramic art teaching has its unique particularity. It requires that the ceramic artists should not only have skilful operation, but also have a deep understanding and grasp of the properties of the materials, artists are also required to have a wide knowledge base and a comprehensive knowledge system, both in their artistic design and in their ability to be plastic arts, as it seeks to find your own creative language in this era of consistent creativity. Therefore, if students do not get the training of comprehensive knowledge structure in ceramic art teaching, they will have a one-sided understanding of the relevant professional knowledge structure, making it difficult to integrate with the teaching of modern ceramic art, and it is difficult to combine the works and contemporary social context in depth.

**The Lack of the Innovative Idea.** What is needed in modern ceramic art teaching is students' participation in learning and participating in the design, which not only requires students to actively participate in and discuss the knowledge structure and inner law of this specialty, students are also required to be able to innovate on this basis in different aspects, such as creative language or creative idea. Innovation here does not refer to the creation of new forms and ideas that others have never seen, but rather how to make the form or content of a work more meaningful in the context of the current historical context of the profession. At present, although the domestic ceramic classroom teaching has greatly strengthened the students' subjective participation, the student-centered classroom teaching has indeed gained, but this does not inspire the students to be innovative and independent.

## **The specific application analysis of multimedia technology in the teaching of Modern Ceramic Art.**

**Using Multimedia Technology to Promote Classroom Interaction and Improve the Teaching System.** To realize the professional training goal of our country's high-level ceramic art education, our educators need to use multimedia technology to promote the perfection of teaching system, this includes the cultivation of students' learning initiative, the promotion of classroom interaction and communication among teachers and students, and the stimulation of students' interest and interest in learning pottery. With the help of multimedia design software, teachers should try, conceive and pursue various kinds of innovative teaching methods, so that students can recognize many kinds of learning methods, and apply multimedia technology to the display of the technique of making the ceramic course flexibly. For example, teachers can use video software to make a teaching video of clay moulding methods, clay moulding and mould forming techniques, so that students can watch it over and over during the process. In the same way, students can make videos of their own productions and use chat groups such as We chat to communicate with their teachers, or upload them to the Internet for sharing. In this way, teachers can facilitate the teaching of classroom and after-class instruction. Under the same teaching content, teachers practice, learn and experience together as objects and students as subjects, at the same time, we will exchange ceramics. It also breaks the way of the apprentice making, which enables students to fully develop their original creativity in classroom and after-class learning. Students can also use the instructional video to exchange and learn from each other. To think and study the diversity of the original teaching course, effectively arouse the students' creative enthusiasm, to make the best use of the various knowledge and skills learned before and fully express it in a new and innovative way.

**Using Multimedia Technology to Perfect the Knowledge System of Ceramic art Teaching.** The other advantage of multimedia technology is that students can build their own image sets and picture libraries about ceramic courses through the interactive characteristics of multimedia, thus, we can study and research ourselves and establish our own systematic and comprehensive knowledge system. For example, after setting up the "pottery flower" design project, the students will first have to read the Internet to understand the types of flowers, the relationship between different types of flowers and plants, and clearly design the purpose of the flower. And from the existing works of domestic and foreign artists to absorb nutrients, broaden thinking, enrich our knowledge of pottery, and create excellent works. In this way, the application of multimedia technology in the teaching of ceramic art has reached the students as the main body, the teacher for the object carries on the common study and research. The teacher guides students to learn, understand, explore and solve the contents and skills of the relevant ceramic courses, thus promoting students' active research into the origin and development of the subject and its internal connections, and to find out the rules, to produce their own knowledge and concepts of pottery.

**Using Multimedia Technology to extend Teaching Resources and to Establish the Innovative Concept of Ceramic Teaching.** With the development of modern society, people are demanding more and more ceramic art, so we should renew the teaching method constantly in the modern ceramic art education. Nowadays, there are many creative forms and ideas in the field of art, and innovation is even more important. Ceramic teaching should change the traditional "teacher-apprentice" gradually to develop the teaching mode with curriculum development, curriculum design, curriculum discussion and practice. Using the interactive learning environment of human-computer, such as multimedia computer, the students have the possibility of active participation, and play a very good role in the students' initiative, enthusiasm and learning. For example, in the ceramic design and production, let students apply the 3DS Max software modeling, draw the product or art model, can display the product or artwork shape to the teacher and future customer intuitively. This can replace the long cycles of traditional pottery design, production of pottery in the early waste of a large amount of time.

## Conclusion

Ceramic Art has developed a long time in the history of our country, and has more mature technology and technology, until now, the ceramic art has its own unique position in modern society, and the contemporary teaching of pottery art has been gradually deepened, it has its own more systematic concept, rich teaching materials and a little more complex content. However, the traditional teaching mode of the Board Book and the traditional "workshop" and "teacher-apprentice" pottery learning methods obviously can not adapt to the existing art development. In order to strengthen the quantity of information and the quality of teaching in the teaching of ceramic art, and at the same time improve teachers' working efficiency, save students' learning time, and optimize the teaching structure of this specialty, to apply multimedia technology flexibly to the teaching of Contemporary Ceramic Art, more comprehensive resources, more comprehensive knowledge structures and teaching systems for effective use of images, sound effects, animation, text, video and graphics can be achieved in the teaching curriculum, so that the ceramic art can break the original creation pattern and the thought pattern, and make more excellent works in accordance with the demand of the development of Times.

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