Research on Innovative Scheme of Mixed Teaching Mode in Fine Arts Normal Education Based on Intelligent Informatization Mode

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Abstract. With the rapid development of information technology, the informatization tide has swept the whole field of education, and education is experiencing an unprecedented profound revolution. Under the background of educational informatization, the application of online learning in the field of education has developed rapidly. However, with the deepening of research, the shortcomings of online learning are constantly emerging, and more and more educators find that traditional teaching methods have incomparable advantages. Traditional classroom teaching can no longer adapt to the development of form, so blended learning came into being. Blended learning combines classroom learning and web-based learning, which complement each other. It helps to optimize the teaching process, improve learning effectiveness, and ultimately promote the realization of teaching objectives. Blended learning can give full play to the advantages of online learning and traditional learning, and promote students' better learning. This paper takes the information technology era as the research background, takes the related theoretical basis as the guidance, designs the mixed learning teaching design of art normal education, in order to provide new enlightenment and ideas for art normal education.

Keywords: Informatization, Blended Learning, Normal Education

1. Introduction

With the rapid development of information technology, great changes have taken place in educational concepts and educational means [1]. Under the background of educational informatization, the application of online learning in the field of education has developed rapidly, but with the deepening...
of research, the shortcomings of online learning are constantly emerging, and more and more educators find that the traditional teaching methods have incomparable advantages [2]. From the mainstream traditional classroom teaching to the rise of online teaching, from collective learning to personalized learning, it embodies the profound changes of technology in education and teaching. With the arrival of internet plus era, information technology with network and new media as the core has changed the traditional materialized learning mode, and virtual learning and platform learning have become the norm. Educational informationization is an important part of national economy and social informationization, an important symbol of educational modernization, an inherent requirement of building a modern national education system and forming a learning society, and it is promoting the overall innovation and profound change of educational thoughts, concepts, models, contents and methods [3]. Traditional education mode can't adapt to the development of the times. Colleges and universities must innovate talent training methods and strengthen the construction of information resources in colleges and universities, so that students can better adapt to the development trend of society [4].

With the advent of the information age, great changes have taken place in the acquisition, dissemination and application of knowledge, and the information tide has exerted a comprehensive impact on education. Blended learning can give full play to the advantages of online learning and traditional learning, and promote students to learn better [5]. As the cradle of talent training in China, colleges and universities are the forefront of the development of educational informationization. Teaching in colleges and universities should pay attention to improving the quality of talent training and enhancing the level of scientific research, rather than simply copying the teaching content [6]. As a new teaching mode, blended learning tends to be perfect both in theory and method after a long period of research and practice. In order to improve the teaching effectiveness of colleges and universities, it is necessary to integrate information technology with higher education, establish a talent training mode, and strengthen the construction of basic resources and information resources [7]. So as to make full use of the opportunities brought by information technology to colleges and universities, sum up the network learning resources, improve the traditional teaching environment, enhance the teaching effect of colleges and universities, and promote the development of colleges and universities. The mixed teaching mode appears under such a historical background, which is the integration of traditional teaching methods and online teaching, and the two promote and complement each other [8]. This paper takes the information technology era as the research background, and under the guidance of relevant theoretical foundations, designs the teaching design of blended learning in art normal education, with a view to providing new enlightenment and ideas for art normal education.

2. The possibility of the implementation of mixed teaching mode in fine arts normal education

Blended teaching is an improvement of teaching philosophy. It emphasizes how to improve teachers' information literacy, effectively apply information technology to teaching, complement traditional teaching advantages, innovate teaching mode, improve teaching efficiency and fully mobilize students' enthusiasm for learning. The ultimate goal to be achieved is the optimization of teaching effect. The research on blended learning in basic education is less because the learning methods of basic education are different from those of higher education and vocational education. Compared with basic education, the learning methods of higher education and vocational education are more flexible, which is conducive to the development of blended learning model. With the development of information
technology, computers, projectors, electronic dual boards and other equipment also provide strong support for classroom teaching environment. In the classroom teaching environment, teachers play a leading role in teaching activities. On the one hand, teachers can communicate face-to-face with learners without borrowing other auxiliary tools, so that teachers can control the teaching process more easily, and learners can communicate with teachers and get timely help and guidance if they encounter problems.

Classroom teaching environment belongs to the traditional teaching scope. In the process of classroom teaching, teachers impart knowledge and skills to students in the form of blackboard writing, and teachers give full play to the leading position of teaching. Blended teaching refers to a teaching method in which teachers provide students with digital teaching environment and certain learning resources through advanced media technology, and guide and inspire students to independently construct knowledge meaning on the basis of original knowledge, so as to achieve the best learning effect. Compared with the traditional teaching environment, it is not limited by time and space. To a certain extent, it allows students to communicate and learn anytime and anywhere. At the same time, online learning resources are also very rich, which can achieve the goal of sharing resources to a certain extent [9]. Teachers don't pay much attention to normal students' practical ability of informatization in evaluation, and their weight is not high, so the cultivation of informatization teaching ability has not been effectively continued. In the stage of education probation and practice, due to the concept of practice instructors and practice schools, the integration of information technology and education and teaching can only be reflected in a few observation classes. The teaching process under the information environment combines traditional classroom teaching and online learning, which may be unfamiliar to most students. Therefore, we should learn from online teaching research to enhance the teaching effect while implementing the teaching process. Blended teaching can be understood as the integration, complementarity and promotion of classroom teaching and network teaching.

Educational informationization is a process of comprehensively and deeply applying modern information technology to promote educational reform and development, and its technical characteristics are digitalization, networking, intelligence and multimedia. Under the information environment of education, teaching can be extended from inside to outside the classroom. Teachers can show teaching contents vividly and flexibly in class and create rich teaching environment. They can also learn about students' learning dynamics at any time after class and interact with students online. Students can not only choose their own learning content according to their own learning situation and hobbies, but also communicate online on relevant learning platforms, thus providing certain technical support for teachers and promoting students' learning effectiveness. The online learning conducted by learners, the learning resources and multimedia tools used by learners are usually called the online learning environment. Rich auxiliary tools and management modules can realize autonomous learning and collaborative learning, thus providing a good platform for learners to discuss, communicate and exchange, and at the same time providing strong technical support for instructors.

3. Application strategy of Hybrid Teaching Mode under the background of educational informatization
3.1. The construction of mixed teaching mode

In traditional classroom teaching, teachers only teach, and students only listen passively. In the mixed teaching mode, students are the main body of the classroom. Through the combination of online and offline classroom learning, the completion of learning tasks can be promoted, so as to stimulate students' learning initiative, cultivate students' independent thinking ability and promote the improvement of learning efficiency. The analysis stage lays a solid foundation for the smooth development of blended teaching, and mainly analyzes learners' learning characteristics, teaching environment, teaching content, etc. to determine what kind of teaching effect is expected to be achieved. Network teaching is a new application of information technology in teaching. It needs the full support of senior managers in terms of resource input and policy making, and it also needs to establish an institutionalized organization and allocate reasonable manpower, which is also a necessary condition for the long-term development of network teaching. Blended learning environment refers to a new teaching environment, that is, blended learning environment, which combines the advantages of classroom learning with those of online learning under the guidance of blended learning thought [10]. College students are mostly adults, and their mental development has become mature, and they have strong ability to understand and apply knowledge. Therefore, in the mixed teaching in colleges and universities, teachers generally use the method of estimation to judge students' learning ability. Only by combining different ideas and concepts can we create an effective mixed learning environment. Under the influence of the inherent traditional teaching concept, many college students and teachers have become completely accustomed to the traditional teaching concept. Therefore, after the introduction of the blended learning model, there is a phenomenon of acclimatization.

The design stage is the key stage of mixed teaching in colleges and universities. It is necessary to make clear what kind of teaching strategies are adopted, what kind of teaching resources are needed, and what kind of teaching objectives are finally achieved. Specifically, it should include the design of teaching objectives, teaching strategies and teaching resources. Figure 1 shows the manual detection procedure of information teaching course.

![Image](image-url)

**Figure 1.** Manual inspection procedure

Teaching environment is an important guarantee for the completion of teaching activities. This course adopts classroom teaching environment and network teaching environment. Classroom
teaching environment completes the course teaching, and students can learn and understand what they have learned intuitively through multimedia teaching. There are great differences in teaching philosophy and teaching methods between the two teaching environments which run counter to each other, which is the key to the blended learning environment. It is necessary to integrate the resources of the two, and then integrate them with practice, so as to bring the blended learning into full play. When designing teaching objectives, teachers should consider whether students' existing knowledge reserves can achieve the teaching objectives and what preparations are needed before class. The design of teaching resources is to design what kind of resources are needed in the process of realizing teaching objectives, teaching contents and teaching strategies. In addition to classroom teaching, mixed teaching in colleges and universities also includes pre-class and after-class parts.

3.2. Increase the intensity and depth of integration with teaching

Because students' learning objectives and interests are different, students' adaptability to the change of teaching environment and methods is also different. Students with better adaptability will get better and better learning results, while students with poor adaptability will gradually decline. The ultimate goal of the integration of information technology and art normal education is to pursue the optimization of teaching effect, which is conducive to cultivating students' innovative spirit and improving students' learning ability. In the traditional classroom teaching, teachers can give full play to their leading role, they can make effective use of classroom time, analyze the important and difficult points of the knowledge, and organically combine the advantages of classroom teaching and network teaching, so as to achieve the goal of mixed teaching, let students master classroom knowledge and skills effectively, and promote students' all-round development [11]. Information technology is integrated into curriculum, and its main body is curriculum, not information technology. Under the existing teaching system, all teaching activities should conform to the curriculum objectives, create an effective learning environment for learners through network communication functions and virtual functions, and truly integrate information technology into teaching.

After the introduction of blended learning mode in college teaching, teachers should not only reflect the traditional teaching mode, but also pay attention to the basic activities of blended learning. Blended teaching does not relieve teachers' work pressure, but requires teachers to make more efforts to improve teaching resources, and put forward corresponding solutions and design activities, etc. In order to minimize teachers' pressure, it is necessary to plan the curriculum content and activities reasonably [12]. In practice, the process of knowledge internalization in classroom teaching environment is particularly important. Classroom teaching environment is mostly implemented in multimedia teaching, such as blackboard, electronic whiteboard, projector, etc. Teachers sort out the chapters of the course according to the course content and teaching objectives, and then work out the teaching implementation plan to explain the knowledge through language, so as to realize the imparting of knowledge. In online learning, teachers can make reasonable arrangements according to the classroom teaching situation and students' learning situation to ensure students' better learning. Teachers can also communicate with students deeply through the network, answer various questions raised by students and give timely feedback.

3.3. Enhance the application ability of information technology
The quality of teachers is directly related to the future development of education, and the level of teachers' information literacy is directly related to the future educational informationization process. The cultivation of teachers' information literacy is a lifelong education and learning process. Therefore, only by attaching importance to the training of teachers' information literacy can teachers' professional development be promoted and a high-quality teacher team be brought up. In the aspect of curriculum construction, it is an important factor that affects the curriculum effectiveness to draw up a clear curriculum classification and help teachers choose suitable teaching methods [13]. There are many forms of online teaching, only the difference of whether it is suitable for courses, but not the absolute difference of advantages and disadvantages. The efficiency of online teaching is directly related to the efficiency of blended learning. Therefore, systematic training curriculum resources are crucial to the improvement of teachers' information technology. In the process of imparting knowledge in online teaching, teachers must give careful guidance to students. Training curriculum resources should be arranged and designed to cultivate teachers' lifelong learning ability, and the goal of training is to teach teachers how to use information technology for lifelong learning.

4. Conclusion

For the mixed teaching mode, both teachers and students have achieved good teaching results. Teachers give full play to the leading position of teachers in the teaching process, and guide and solve the problems encountered by students in time. With the in-depth development of educational informationization, the blended teaching model plays a positive role in promoting the teaching reform in colleges and universities, which not only meets the individualized development needs of students, but also gives teachers a platform to learn and display their talents. It has become a general trend to use the network platform for teaching, make full use of fragmented time for learning, and improve learners' autonomous learning and collaborative learning ability. With the in-depth development of educational informationization, the mixed teaching mode of art normal education not only meets the individualized development of students, but also gives teachers and students more opportunities to think. However, this does not mean that the traditional classroom teaching mode is completely abandoned. Cultivating normal students' information teaching ability through blended teaching has remarkable effect, and students' enthusiasm, higher-order thinking and innovative thinking have been improved obviously. The future development and research trend should be to study how to speed up the development process of educational informationization, so as to promote the better integration of network teaching and traditional teaching, give full play to their respective advantages, optimize the teaching effect of art teachers and accelerate the pace of teaching reform in colleges and universities.

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