How to Use Online Education to Improve Education Fairness

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Abstract: At present, with the continuous development of technology in China, new ideas and technologies have been injected into the online education system in the context of integrated education. The online education model is gradually improving and playing an increasingly important role. In order to implement the national call, the education department has done a lot of work, coordinating relevant educational resources of the school, combining the characteristics of the school and the specific situation of teachers and students, flexibly providing curriculum, utilizing online education platforms to provide relevant work, and organizing teachers to use the platform for teaching. Based on this, this article first explains the advantages of online education in improving educational fairness. Then, by analyzing the characteristics of students, it elaborates on how to use online education to enhance educational fairness in terms of improving learning efficiency, utilizing dual teacher classrooms, synchronous online and offline teaching, utilizing cloud classrooms, and enhancing students' learning abilities.

Keywords: Online Education; Education and Teaching; Fairness

Introduction

Online education is a teaching method which mainly uses the internet as the medium. Through the internet, teachers can conduct teaching progress without being limited by space. In addition, students can also learn anytime and anywhere using online courseware. With the continuous development of modern information technology, from the internet to the mobile internet, it has created new ways to work and learn across time and space, allowing students to change the way they acquire theoretical knowledge. The emergence of online education enables education to be unrestricted by time and space, invisibly increasing the diversity of knowledge acquisition, thereby promoting the fairness of education in China. At present, various online education software have emerged in the public, and many online courseware enable students to carry out learning activities anytime and anywhere, promote the rationalization of time allocation, and maximize the efficiency of classroom teaching. Therefore, teachers need to leverage the unique advantages of online education to promote the fairness of education in China, and enhance China's comprehensive strength.

1. The Advantages of Online Education in Improving Educational Fairness

Firstly, the speed of network information transmission is relatively fast. Online education can use information technology to transport good educational resources through the network to remote areas in China where educational resources are relatively scarce, further ensuring that remote areas receive good educational resources in a short period of time, thereby effectively improving the quality of classroom teaching. Regarding its developmental potential, the basic investment in online education is relatively low, so it has a longer-term development prospect.

Secondly, The ways of learning knowledge are diverse. Online education can provide students with a variety of learning options. Online education is mainly a technological means that fully integrates with various educational models, providing students with diversified and personalized learning products. At the same time, online education has a certain degree of flexibility and diversity in its school-running ways. Students can scientifically and reasonably arrange and adjust their learning time, and have a stronger space for independent choice, which demonstrates the compatibility of online education, and contribute to the fair and just development of China's education.

Finally, the total supply is large and funds are fully utilized. Compared with traditional school education, the development of online education has lower requirements for funding investment and does not require the purchase of fixed equipment such as teaching hardware in large quantities. Under the same funding conditions, online education can provide more people with educational opportunities and help improve the education fairness of China.

2. How to Use Online Education to Improve Education Fairness
2.1 Analyzing Students' Characteristics and Improving Learning Efficiency

Firstly, to start from the actual situation and teach students according to their aptitude. Students at different levels have varying knowledge foundations and understanding abilities, and teachers need to choose different online teaching plans based on individual needs. At present, there are many teaching plans available for teachers to choose from, and schools need to make reasonable choices based on the actual learning situation of students and the teaching characteristics of different plans. In addition, for different students, senior high school teachers need to use different online teaching methods to stimulate their learning enthusiasm in order to achieve good learning results, and meet the actual learning needs of students with different learning habits as much as possible, providing them with diverse learning environments.

Secondly, to innovate the form of online courses. It is necessary to effectively solve the problems of low learning efficiency and lack of concentration among middle school students. It is necessary to create an online course form through the interaction between teachers and students. Teachers and students should work together to create a course form, and teachers need to guide students to learn around the teaching theme to unleash students' subjective initiative, and effectively enhance their course participation.

Finally, to enhance meta-cognitive skills. Students need to improve their meta-cognitive skills, in which meta-cognition mainly refers to students' behavior of adjusting and monitoring various cognitive activities in actual learning. Effectively improving their meta-cognitive skills, which is conducive for students to store useful information and maintain high intensity of concentration. Moreover, students need to strengthen their time management abilities, make full use of time management tools, learn to manage their learning goals, and improve their mistakes in learning methods, thus maximizing the efficiency of learning.

2.2 Utilizing Dual Teacher Classrooms to Synchronize Online and Offline Teaching

The construction of a dual teacher classroom means that one teacher online use video and live streaming to carry out teaching work, and one teachers offline cooperate with online teacher to cooperate with each other do a good job in teaching. This approach compensates for the shortcomings of the previous single line online teaching model, making offline teachers complete the goal of summarizing learning situations and supervising online teaching, and online teachers can use effective teaching models for teaching, thereby promoting the fairness of education and teaching in China. Taking the teaching of information technology as an example, the use of layers is a knowledge and skill that middle school students need to understand, laying a certain foundation for their use of PS software.To ensure the effectiveness of teaching, teachers need to utilize a dual teacher classroom teaching model. In the learning of this content, the online teacher is responsible for explaining the knowledge, using PS software to show students the advantages and usage methods of layers in the video, and comparing layers to transparent drawing paper, and informing students that each layer is equivalent to a stacked drawing paper. Therefore, after completing the drawing of each layer, it will not be affected. Offline teachers need to observe the use and operation of layers by middle school students, in order to grasp their actual understanding of layer knowledge. The novel teaching model of dual teacher classroom not only attracts students' attention, but also enables them to listen carefully to online teachers' explanations and ask offline teachers about operational issues in the actual operation process, therefore the effectiveness of teacher teaching ensure could be ensured.

2.3 Utilizing Cloud Classrooms to Enhance Students' Learning Abilities

Cloud education has created a cloud service platform for teaching interaction between teachers and students, creating a cloud environment. Firstly, teachers need to record basic knowledge and example explanations into micro videos based on students' actual learning situation and different types of knowledge before class, and send them to students in the form of micro videos, so that students can selectively watch micro videos based on the problems in the textbook, engage in self-learning activities, and watch difficult points repeatedly. During the process of watching micro videos, students note some questions and provide feedback to teachers through cloud service platforms. At the same time, they complete relevant exercises on the online teaching platform. In this way, teachers can use cloud service platforms to understand the specific situation of middle school students' mastery of new knowledge, and also understand the confusion of students' learning, so as to make the classroom teaching objectives more clear. Therefore the teachers can design the "teaching and learning" process based on the actual learning situation of students, and achieve targeted teaching in the teaching process to maximize the effectiveness of classroom teaching.

In addition, modern education values vivid images and demonstration of experimental activities. However, traditional classroom teaching models in the past often faced various problems such as the inability to present micro experiments and insufficient experimental

equipment. The cloud classroom teaching platform helps teachers carry out teaching work and effectively supplies existing experimental teaching by providing simulation tools and instruments. The cloud classroom requires a three-dimensional simulation of experimental teaching scenarios, providing DIY experiments and scenic spot experiments, which mainly includes multiple steps such as experimental explanation, operation, and expansion analysis. It covers the ability to independently set the parameters of relevant experiments and configure flexible experimental plans according to actual teaching needs. It not only saves the time-consuming and laborious preparation process of traditional teaching experiments, but also better ensures the safety of the experimental process.

Conclusion

In summary, the core of online education is an interactive and brand-new educational model. The development of digital technology will lead to higher expectations for mobile services and customized services. Most teachers hope to utilize these new technologies in teaching practice to improve teaching quality and effectiveness. Students hope that new technologies can help them achieve personalized learning, and these demands require a professional team cooperation and effective operational mechanism to promote the efficient operation of online education and improve the fairness of education in China.

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