

Exploring the Application of Intelligent Classroom Teaching Mode under the Background of "Internet +"

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Abstract

With the deepening of educational informatization reform, the concept of intelligent classroom has gradually emerged and become the hot topic of The Times. Both in terms of guiding concept and teaching effect, intelligent classroom has unique advantages. It takes students as the main body of education, and teachers act as guides to guide students to actively build a knowledge system and promote the generation of wisdom. Smart classroom has changed the traditional teaching methods and promoted the deep integration of information technology and educational practice. It integrates big data, cloud computing, mobile Internet and other new information technologies, realizes the comprehensive intelligent coverage before, during and after class, and provides a good environment for the cultivation of innovative talents. Due to the current middle school information technology classroom there are many problems, such as many teachers' concept of wisdom education is not clear, thought using the new technology of classroom is wisdom classroom, no advanced concept guidance to classroom integration innovation, combined with the current education resources can not meet the demand of teaching also, so less domestic research in this aspect. Based on the basis of previous research, combined with the characteristics of The Times and the realistic education environment, this study constructs the intelligent classroom teaching mode of high school information technology curriculum, and applies it to the actual teaching to test the effect. The research is mainly carried out from the following aspects: First, the purpose and significance of this research are clarified, and the relevant concepts of intelligent classroom are sorted out. By consulting the research status of intelligent classroom at home and abroad, the characteristics of intelligent classroom are summarized, and its elements and research methods are confirmed. Secondly, the relevant theoretical knowledge is clarified, and the relevant concepts and theories are defined. Then, according to the guidance of the new curriculum standard, guided by a variety of teaching theories and referring to the new teaching mode, the intelligent classroom teaching mode of information technology in high school is constructed, and put it into practice to complete the preparatory work in the early stage of the experiment, the work in the middle stage and the data analysis in the later period.

Keywords

Intelligent Classroom; Information Technology in Middle School; Teaching Research Status An; Teaching Mode.

1. Introduction

With the rapid development of science and technology, information technology has already been integrated into all areas of our life, completely changing the way we live and produce, including the field of education. The announcement issued by the Ministry of Education clearly stated that by 2022, all teachers, students and schools should be covered, and an "Internet + education" platform should be built, so as to continuously promote the deep integration of information technology and education. In the "13th Five-Year Plan" of Education

Informatization released, the Ministry of Education pointed out that network technology should be used to gradually realize the big data collection and analysis of students' daily learning, so as to optimize the teaching mode. At present, the urgent task of education informatization is to promote the deep integration of information technology and education. Education occurs in the classroom, therefore, with the support of new technology, teachers need to reform the traditional education and teaching mode to meet the personalized development needs of students. It can be said that the development degree of educational informatization depends on the integration degree of information technology and classroom. In the environment of information, intelligent classroom arises at the historic moment and becomes the focus of current research. With the deepening of classroom reform, students' subjectivity status and the consciousness of personalized learning are paid more and more attention, and the importance of students' ability training is also increasing. However, according to the observation, although the teaching objectives designed by many teachers meet the requirements of the new curriculum reform, the teaching mode and interactive mode adopted in the actual teaching are still relatively single, and the evaluation means are more traditional, which often causes the delay of feedback. Over time, teachers cannot objectively and accurately judge their own teaching effect, and the degree of students' mastery of knowledge is also uneven. The development of smart classrooms is designed to solve the problems arising from these traditional classrooms. At the same time, it has a strong interaction, with a variety of learning methods to meet the personalized needs of different students, and effectively do a good job in education.

2. The Status Quo and Characteristics of Intelligent Classroom

2.1. Evaluation Intelligence

In the process of wisdom classroom teaching, teachers can use large data analysis tools to record students' learning process, and in-depth analysis of data information, mining hidden in the rules behind the data, and comprehensively evaluate the students' overall learning results, both respect the subject status of students, also embodies the full use of intelligent big data information tools. It can be seen that one of the remarkable characteristics of the intelligent classroom teaching environment is the realization of intelligent and professional teaching evaluation.

2.2. Personality Synergy

In the intelligent classroom teaching, the personality differentiation characteristics of contemporary students are taken as the starting point of education, and based on this, so that teaching activities can better meet the needs of students' future development. At the same time, the wisdom of the classroom personalized teaching characteristics not only realized the efficient teaching, but also carries out the implement their aptitude layered teaching idea, according to the students' level, pay attention to cultivate the students' ability of cooperation together, not only can cultivate students' innovative thinking, also for students into the society to lay a solid foundation in the future.

2.3. Object Intelligence

Students under the wisdom classroom education penetration, not only can improve the autonomous learning enthusiasm, also can urge students to gradually develop good habits of self-management, to improve the students' critical thinking ability, allowing students to more actively participate in classroom teaching, let students under the guidance of teachers to use, realize the wisdom education of wisdom education purpose.

2.4. Smart Activities

Wisdom in the classroom teaching activities broke through the limitation of the traditional teaching equipment single, through the use of advanced teaching facilities and rich teaching resources, guide students to actively participate in learning activities, let the students in fun deepen perceptual learning content, this is the wisdom the main characteristics of classroom activities. The emergence of intelligent classroom just makes up for the lack of traditional knowledge classroom teaching, and as the intelligent classroom used in secondary vocational teaching is different from the ordinary form of the intelligent classroom, the secondary vocational intelligent classroom should be more in line with the characteristics of secondary vocational students, first of all, to highlight the equality of the classroom and the interaction between teachers and students. Thus it can be seen that equality, as one of the primary principles for developing the intelligent classroom in secondary vocational schools, makes teachers and students are always equal in teaching activities, so as to be more conducive to the sincere communication between teachers and students, and then improve the teaching efficiency.

2.5. Interactivity

As a smart classroom suitable for the development of students in secondary vocational colleges in the new era, it is necessary to ensure the interactivity of the classroom, which is not only the realistic power of teaching, but also the basis for the progress of intelligent classroom teaching. Therefore, only by ensuring the interactivity of intelligent classroom teaching can we stimulate students' enthusiasm for learning and exploration, make students' thinking more active, and let the intelligent classroom play a maximum effectiveness.

2.6. High Efficiency

The purpose of intelligent classroom activities is high efficiency, intended to emphasize to make full use of intelligent classroom teaching time, so that students can master the most knowledge in the limited time, not only to consolidate the theoretical knowledge foundation, but also to improve the ability to apply what they have learned. At the same time, teachers should create a situational teaching atmosphere for students according to the actual learning situation, so that students can master the true meaning of knowledge content in the collision of theories, and apply what they have learned to practice, which is the foundation of the existence of intelligent classroom.

3. Teaching Reform Measures

3.1. Stimulate Students' Interest in Learning, Let Students Take the Initiative to Pursue Knowledge

"Interest is the best teacher." Once students have a certain interest in the computer course, the efforts made in the learning process and the resulting learning results are obvious and considerable. In the process of implementing computer course teaching, the choice of teaching content is appropriate or not directly affects the degree of classroom effect, and directly reflects the learning effect of students. We can reflect the students' interest and motivation in learning, and can see whether to achieve the teaching purpose and requirements of the classroom. Therefore, teachers need to use the knowledge of the subject to guide practice such examples to teach the theoretical knowledge to students. By combining theory with practice, let the students understand what areas can be applied to their life, which can deepen the impression, so as to stimulate the students' strong interest in computer courses.

3.2. Use Multimedia Teaching, Let the Students more Intuitive Learning

The traditional teaching method of "handwritten blackboard writing + oral explanation" implements computer courses, which can only mechanically teach students recitation knowledge, so students cannot see the actual operation process, resulting in a low understanding of knowledge, and the impression is not deep. Over time, you will not only be unable to understand the following knowledge, but also to the previous knowledge will forget. Students can not form specific graphic images in their minds, which is not conducive to students to master knowledge, and with the help of modern technology means multimedia PPT and other combined with language expression to explain, more intuitive, simple and clear display. Therefore, in the computer course teaching should be carried out with "explanation + demonstration + operation + guidance". At the same time, students should also regularly go to the multimedia classroom or computer room to study and practice, and the computer operation focuses on practice.

4. Integrate the Teaching Content, Adopt the Combination of Listening, Watching and Practicing to Acquire Knowledge

4.1. Combine Classroom Teaching with Extracurricular Practice to Make Learning Possible

If students with weak computer foundation want to catch up with other students with good foundation in a short time, they not only need to listen to the teacher carefully, but also need to take active learning outside the classroom. In the process of teaching knowledge, teachers should reasonably arrange classroom time and flexibly use teaching methods to help students explore independently, acquire knowledge and improve their ability. In the teaching process, it is necessary to give students the initiative of learning, let them choose the suitable learning methods flexibly and freely, and experience the fun from learning.

5. Rational Use of Teaching Methods

Usually, before the course, the teacher can present the relevant cases, and the teacher should choose the examples suitable for this section according to the content of the course. Teachers can display the questions through multimedia, and students can ask questions according to the situation in the case. Then, students are introduced into practical questions in class and guided by playing back the case content. The problem from the surface to the inside, from the shallow to the deep to discuss. The original computer course teaching method has been unable to meet the needs of today's social development, the original teaching method is not conducive to the improvement of teaching quality. Therefore, teachers can apply the case teaching method to the classroom when carrying out the computer course teaching to mobilize the enthusiasm of students to learn.

6. Conclusion

In wisdom classroom teaching environment, should be timely construction based on learning dynamic data analysis information platform, facilitate teachers dynamic grasp of students 'learning situation, reflection on teaching results, according to the specific analysis, properly adjust the teaching process, for different levels of students develop personalized teaching content, meet the students' differentiation development, also implements the common development of class students and improve, make wisdom classroom become more efficient. To sum up, a large number of facts have proved that the implementation of intelligent classroom not only improves students' enthusiasm for learning, but also contributes to the

improvement of teaching efficiency, and enhances the overall comprehensive quality of secondary vocational college graduates. It can be seen that intelligent classroom is of great significance to realizing the goal of education in secondary vocational colleges, and we must improve the attention to education and teaching. To realize the effective integration of information technology and the intelligent classroom teaching mode in secondary vocational schools, stimulate students' interest in learning, cultivate students' learning ability, and improve the efficiency of students' classroom teaching. As a teacher, they should constantly strengthen their own ability to apply information technology, so as to realize the effective integration of intelligent classroom and information technology, so as to improve students' independent learning ability, give full play to students' wisdom and potential, and cultivate students' innovative thinking ability.

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