

## A Study on the Reform Path of the Wisdom Classroom in Vocational Education in the New Technical Age

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**Abstract:** In the era of new technology, artificial intelligence technology, big data technology, simulation technology and so on have been developed rapidly, which play an important role in the field of vocational education. This paper briefly expounds the connotation of the concepts of wisdom classroom and intelligent teacher, analyzes the problems existing in the current study of wisdom classroom in vocational education, and points out the path of reform of wisdom classroom in vocational education in the new technical era.

### 1. Development of Relevant Concepts

Wisdom classroom is relative to the traditional teaching, with the continuous development of modern science and technology, the wisdom classroom is gradually rising, the scope of application is more and more extensive, can strengthen the interaction between teachers and students, improve the efficiency of classroom teaching, the value of application is very ideal.

Schools in the United States launched an education-themed campaign in 2001, then sparked a worldwide wave of intellectual education. Under the influence of this factor, many vocational colleges and universities in China have carried out wisdom education in succession. In the field of vocational education, there are three main hot spots to discuss, namely, the exploration of educational wisdom, the construction of intelligent teachers and wisdom classroom.

First, wisdom and educational wisdom. The connotation of wisdom classroom, there are different understandings in different angles. Wisdom mainly includes mental and technical wisdom, the former mainly refers to the individual has the strategy, has the idea, the intelligence, the response is sensitive, the latter mainly refers to has the intelligence characteristic technology. It is not difficult to find that wisdom is not only related to knowledge, but also to ability and practice. For wisdom, philosophers have different opinions, Socrates is a well-known thinker, educator and philosopher in ancient Greece, he is known as the most intelligent person, Socrates pointed out that wisdom is a person in the stage of self-knowledge, constantly explore the eternal truth, looking for the highest good, the essential characteristic is freedom and consciousness. However, in his understanding, wisdom refers to the ability of people to apply knowledge, experience, skills and so on, and then to solve concrete problems and obstacles. Not only that, it also emphasizes the essence of wisdom by making judgments and choices about the possibilities of diversity of things now and in the future. Knowing the connotation of wisdom, it is not difficult to understand the wisdom in the field of education —— educational wisdom, which is the product of the interaction of educational emotion and educational thinking.

Second, intelligent teachers and wisdom classes. The wisdom teacher and the wisdom classroom belong to two closely related concepts. If we want to realize the wisdom education, we must first establish the wisdom classroom, and the wisdom teacher is the indispensable constituent element of the intelligence classroom.

For intelligent teachers, there is no uniform definition in the field of education so far, and the

conclusions drawn by researchers from different angles are also different, scholar tian huisheng pointed out that intelligent teachers refer to those who have a high level of educational wisdom.

Wisdom class refers to a new teaching model developed by combining modern technologies such as the internet, cloud computing and big data, which has the characteristics of intelligence. The wisdom classroom takes the knowledge dissemination as the foundation, the main goal is to train the student's skill, one to the student initiative discovers the question, explores the question, solves the question. By analyzing the teaching data of real-time change, the teaching strategy with the characteristics of data is formulated to ensure the timeliness of evaluation and feedback, at the same time, it can also enhance the interaction of teaching, make teaching have three-dimensional characteristics, and help to realize the sharing of teaching resources. The wisdom classroom has made the appropriate adjustment to the content and the form of the traditional teaching mode, and has created a new modern information technology classroom. Figure 1 shows the students' learning situation in the wisdom classroom. On the one hand, the wisdom classroom is the promotion of science and technology in the field of education, on the other hand, it is the product of the innovation of the traditional classroom. The wisdom class mainly divides the student's study into two forms, one is the group cooperation study, the other is the student's independent study [1].



Figure 1 Students learn independently in the class of wisdom

## **2. The Research Status of Wisdom Classroom in Vocational Education in New Technology Age**

In the era of new technology, wisdom classroom has gradually become the engine of teaching reform and innovation in vocational schools. The wisdom classroom takes the information technology as the foundation, the innovation teaching method as the means, establishes the classroom teaching goal as the development student's wisdom, can intelligently promote the study resources, develops the three-dimensional interactive exchange, highlights the study behavior data, makes the appraisal feedback more timely. At present, the research of wisdom classroom in our country is still in the initial stage, although the speed of development is relatively fast, but the period of development is relatively long. It is not difficult to see that the sub-study of wisdom classroom in vocational education has the following problems.

First, the study of theory is confined to broad-spectrum. The research on the integration of wisdom classroom and specific courses is very few, and most of them are some basic courses such as English and mathematics. The established framework and methods are not consistent with the application-oriented goal of vocational education and can not meet the actual learning needs. The future development trend of the wisdom classroom is to combine the characteristics of the actual teaching of each subject, optimize and adjust the current teaching means and teaching content, and establish a wisdom education system with the characteristics of the subject.

Second, the practical research of wisdom classroom is mainly confined to the application of information technology. In the key points of work issued by the Ministry of Education in 2019, emphasis is placed on promoting the effective integration of education, teaching and information technology, and promoting the transformation and upgrading of education informatization. Creating a smart classroom does require the support of information resources and bad information, but some teachers have a poor understanding of the integration of teaching courses and information

technology, such as uploading micro-lessons, self-preparation, class discussion, after-class testing and evaluation, and so on before the formal class. In the present situation, the application of information technology only improves the efficiency of classroom teaching, but there is no inevitable relation between it and improving the quality of teaching, which means that teachers need to take the essence of education as the basis to think about how to ensure the perfect integration of curriculum and information technology, transform information technology into teaching tools, change the traditional teaching mode and structure, stimulate students' self-learning consciousness, enhance their creative thinking, and promote the reform and development of intelligent classroom [2].

Third, the analysis of the effect of wisdom classroom application stays at the level of analysis experience. On the one hand, the wisdom class emphasizes the need for students to learn knowledge and operation, on the other hand, it advocates cultivating their autonomous learning spirit, improving their ability to find problems, analyze problems and solve problems, and imperceptibly improving students' ability of self-evaluation and innovative thinking, etc. How to evaluate the application effect of wisdom class has not established a perfect evaluation system so far.

### **3. The Reform Path of Wisdom Classroom in Vocational Education in New Technology Age**

In the era of new technology, the quality view of vocational education has changed somewhat under the influence of mass education. Mass education gives the public the right to receive higher education, so it is not a scarce resource in society. In recent years, more and more attention has been paid to vocational education, the way of quality recognition has diversified characteristics, enriched the evaluation criteria of teaching quality,

Use the teaching media to maximize the effectiveness of teaching. With the continuous development of network information technology, it brings a guarantee for opening wisdom classroom. How to apply modern technology reasonably and make it give full play to its own application value in wisdom classroom is the key point of classroom teaching reform of vocational education. Although machines can not completely replace teachers, in recent years, machines have played an increasingly important role in the teaching activities of vocational schools, and many advanced teaching methods have emerged. In the use of mobile media teaching, it is necessary to consider whether the teaching media is convenient to use, that is, the applicable environment of the teaching media, what guarantees are needed, and basic operational skills, and so on. In addition, it is necessary to reasonably control the use of teaching media to facilitate learners. Some teachers have the psychology of dependence, no matter whether the teaching method is scientific and reasonable, no matter what content to explain, all adopt the method of audio-visual education, make the teaching content into courseware, play the courseware for the students all the time in the whole class, so that the teaching becomes a mere formality, and the result can be imagined. Therefore, teachers need to correctly understand the relationship between human and machine, and give full play to the auxiliary teaching function of audio-visual equipment, as shown in figure 2.



Figure 2 Use of audio-visual equipment for teaching

In the course of the formal class, the teacher can instruct the students to connect the flat plate to

the network, and then provide the teaching courseware as well as the PPT for the students with the help of the platform of the wisdom class. The teacher can use a few minutes to answer questions for the students in the pre-class autonomous preparation phase, so that students can freely choose their own views, and then the teacher can group the students, and the members of each group can input their own reasons into the tablet and then upload them to the wisdom teaching system. Through the wisdom class, students can always give feedback to the teacher about the difficulties or questions in the process of discussion, and the teacher can make timely explanation and guidance for the students' questions, as shown in figure 3. After the course teaching is finished, the wisdom teaching platform can automatically generate the quality evaluation of classroom teaching, and can show the learning tasks formulated by teachers and the students' learning results in detail. Such a new form of teaching can effectively improve the efficiency of classroom teaching, in order to help stimulate the enthusiasm of students to learn knowledge [3].



Figure 3 Teaching in wisdom class

#### 4. Conclusion

To sum up, the wisdom classroom is to make full use of the intelligent technology and develop the classroom teaching mode of teaching and learning. In the new situation. Vocational education can fully refer to the above teaching reform methods, innovate the content and form of teaching, promote students' creative thinking, and promote the reform and development of wisdom classroom.

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