

Design of Competition Event Training Mode Based on Flipped Classroom

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Abstract

The competition event training mode is designed for the National Vocational College Skills Competition, in order to improve the knowledge and skills of the students, and effectively respond to the skills competition. Based on the construction principles of stage, subjectivity and practicality, this study adopts the form of flipped classroom to carry out competition event training for students. Centered on the resource area, it is divided into four stages: needs reserve before training, knowledge acquisition before training, skills operation in training, and comprehensive practice after training. It emphasizes teachers' professional quality, pays attention to the needs preparation before training, emphasizes the core position of resources and the principal position of students.

Keywords

Flipped classroom, Competition event training mode.

1. Introduction

As we all know, the National Vocational College Skills Competition is a student competition activity for vocational colleges, aiming at improving vocational students' professional quality and professional skills. With the expansion of skills competition, the competition content has been enriched, the competition types have increased year by year, and the training mode is various, but the training effect is not ideal. Flipped classroom, as a widely used teaching organization form, relies on advanced information technology, takes students' cooperation as the center, and increases the interaction between teachers and students as the purpose, which well realizes fragmented learning and extends learning time. The application of flipped classroom in competition event skill training will enhance the interest of classroom, promote students' active learning and knowledge internalization, improve competition skills and optimize training effect.

2. Analysis on the Current Situation of Competition Event Training Mode

2.1 Theory is overweight, lack of practice

Competition event training is a practical form of teaching organization, which focuses on skill training and emphasizes the coexistence of theory and practice. At present, the competition event training in vocational colleges generally has the problem of long theoretical teaching time, taking up too much classroom time, resulting in insufficient skill operation time, which seriously deviates from the training goal. The learning of students' skills is still in the superficial stage, which can not be integrated. In the long run, students' enthusiasm for learning is reduced, and the training effect is very little.

2.2 Because of material taught flexibility is not enough

According to the ancients, "a ruler has a strong point, an inch is short." It is inevitable that each student has his own strengths and weaknesses. Teachers need to give full play to their personal strengths in the process of training. Due to the limitation of teaching space and teaching progress, the traditional classroom limits the teaching of teachers and students to a certain extent. The application of "flipped classroom" teaching mode can change the traditional training mode and realize the real significance of being taught according to the material.

2.3 The teaching resources are old and the utilization rate is low

The resources are the soul of the event training. Good resources can make the training effect twice the result with half the effort. Good horse with saddle, good boat with sail. However, in recent years, the training content of teaching resources is outdated, and the pertinence is not strong, which will find that the utilization of teaching resources is very low. At the summary meeting of skills competition, leaders of the Ministry of Education repeatedly pointed out that in order to improve the effect of skills competition, it is necessary to transform the contest resources into teaching practice. Therefore, what we need to do is to design and develop the teaching resources suitable for the skills competition.

2.4 Teachers and students lack meaningful interaction

In the process of training, teachers and students are equal, which is a cooperative relationship, with students as the main body and teachers as the auxiliary to achieve win-win significance. The study found that a lot of competition skills training is teacher as subject, students follow the example, knowledge only temporarily stay in the cerebral cortex, training content can not be internalized. This kind of training teacher only completes the preaching and imparting knowledge, and does not solve the students' confusion very well [1]. The meaningful interaction is that students are confused first, and then teachers answer.

3. The Necessity and Feasibility

3.1 Necessity

Theoretically speaking, competition event training is a course based on skill teaching, which integrates various small skill points. If the traditional cramming method is followed, it is difficult for students to understand the key points of various skills, and it is difficult to learn easily and happily. "Flipped classroom" teaching mode organizes teaching in the form of knowledge transfer before class and knowledge internalization in class. When it is applied to the competition event training, students become the center of active learning, improve the knowledge acceptance of students and increase the efficiency of skill training. In practice, as a touchstone to test vocational education, the teaching reform is imperative. There are many researches on the training of skills competition in Vocational Colleges in China, but the effect is not good, which is directly related to the training methods. In recent years, flipped classroom has been favored by the field of education and applied in various classroom teaching. In order to achieve good training effect, under the background of rapid development of information technology and network technology, it is a wise move to combine flipped classroom teaching form with competition event training.

3.2 Feasibility

From the perspective of information technology, with the rapid development of information technology, the level of information construction in universities is getting higher and higher. There are all kinds of excellent courses, micro courses and open online courses, realizing the sharing of resources. The lack of resources is no longer a barrier to the progress of teaching. And there are countless materials, apps, reference books and reading documents on the Internet, which can be selected according to individual needs. The development of network and the progress of information bring about flipped classroom. From the perspective of teaching reform, the core of teaching reform is to change the original passive learning of students, give full play to the main role of students, in the teaching process, teachers are no longer the leader, but the guide. Flipped classroom can reflect the central role of students, play the auxiliary role of teachers, enhance the interaction between teachers and students, and improve the quality of teaching. This is incomparable with other teaching modes, and it adapts to the needs of teaching reform.

4. The Construction of Competition Event Training Mode based on Flipped Classroom

4.1 Construction principle of competition event training mode

4.1.1 Stage

The teaching organization form of flipped classroom teaching mode is different from the traditional classroom teaching mode, such a teaching mode has obvious stage division. The same is true of the competition event training mode based on flipped classroom. Each stage has different tasks and objectives, which is a process from quantitative change to qualitative change. However, the ultimate goal is the same, which is to achieve the expected training effect. Therefore, the author divides the competition event training mode based on flipped classroom into four stages, including needs reserve before training, knowledge acquisition before training, skills operation in training and comprehensive practice after training.

4.1.2 Subjectivity

In classroom teaching, students are the receivers of teaching and knowledge. All teaching activities should be based on students and carry out teaching activities from the students' reality. Teachers should be free from the traditional role of teachers, teachers are no longer the commander of teaching, but the guider and helper of teaching. In the competition event training mode based on flipped classroom, students are the center of learning knowledge and skills, and teachers act as the producer of teaching resources and the instructor of training process.

4.1.3 Practicalness

The competition event training is based on skill training, which cultivates high-quality technical talents with both morality and art. As the saying goes, practice makes true knowledge. Therefore, in order to achieve the ideal training effect, students must have enough practice opportunities and practice time, and such training is effective. In the process of designing the training mode, we must fully embody the practicality, so that students can improve the competition skills through individual active learning and group cooperation training, and feel the joy of learning and the charm of practice.

4.2 The construction of competition event training mode based on flipped classroom

Competition event training is very practical and requires higher skills of students. The event training mode based on flipped classroom is mainly composed of four stages: needs reserve before training, knowledge acquisition before training, skills operation in training and comprehensive practice after training. The yellow part represents teacher behavior; the red part represents teacher-student behavior, with students as the main part and teachers as the auxiliary part; and the blue part represents the resource area, including teaching resources and WeChat group. In the four stages, all training activities of teachers and students are always carried out around the resource area, as shown in Figure 1.

4.2.1 Needs reserve before training

As the saying goes, if we don't fight without preparation, we can be invincible. In teaching practice, the form of flipped classroom is constantly updated. Before class, it is no longer a simple knowledge learning, but also includes data search, teaching resources production, teaching process design and so on. Training preparation is the premise of competition event training. Before training, teachers need to reserve, including competition event analysis, training goal determination, teaching resources production and training process design, and upload electronic documents and teaching resources to WeChat group. The training objectives are determined through the competition event analysis. The core of teaching resources production and training process design is training objectives.

4.2.2 Knowledge acquisition before training

Knowledge acquisition is also before training. Before the training, the teacher sends the learning task to the students through WeChat group, and the students learn PPT Courseware according to the task assigned by the teacher. In the process of autonomous learning, students can adjust their learning progress according to their own time and learning ability, so as to be suitable for themselves. When

you encounter some unknown knowledge points, you can consult teachers and classmates online, and teachers can answer for students in time. At the same time, teachers need to sort out the doubtful points or difficulties, so as to explain them to students in the training. Finally, in order to test the learning effect of students' self-study, the test paper can be uploaded to WeChat, and the teacher will grade the students. Students can adjust their learning methods and supplement their knowledge according to the teacher's comments and self reflection.

4.2.3 Skill operation in training

This stage belongs to the link of skill learning, which is also the most important part of competition event training. First of all, the teacher systematically explains the questions and knowledge difficulties raised by the students before the training, so as to make full knowledge preparation for the skill training; Then, the teacher plays the operation video of relevant skill points, and emphasizes some difficulties and precautions while playing the video; Next, the students start to operate by themselves based on the knowledge learned before training and the video watched. When students encounter the skills blind area that can not be solved, teachers are always on the side of the guidance and demonstration. In the whole process, students have always been in the dominant position, which determines the direction and progress of learning. Teachers are the guider of learning process. They light up the bright light for students and correct mistakes when appropriate.

4.2.4 Comprehensive practice after training

After the training, the students have mastered the basic knowledge and skills through the study. The comprehensive practice after training is to promote the consolidation and application of the content. Students can form practice groups by themselves. The teacher will inform the students of the practical task through WeChat group, and the student group will discuss the division of labor and cooperate to complete it. After that, students will make PPT of practice achievements, completion status and summarized knowledge points and skills points and upload them to WeChat group for all teachers and students to view and evaluate. The evaluation method includes three parts: evaluation in the group, between group evaluation and teacher evaluation. Only through evaluation can we constantly update our self cognition and make progress. Therefore, the comprehensive practice after training is also a touchstone to test whether the training is qualified or not, and optimize teaching resources through evaluation and summary.

5. Conclusion

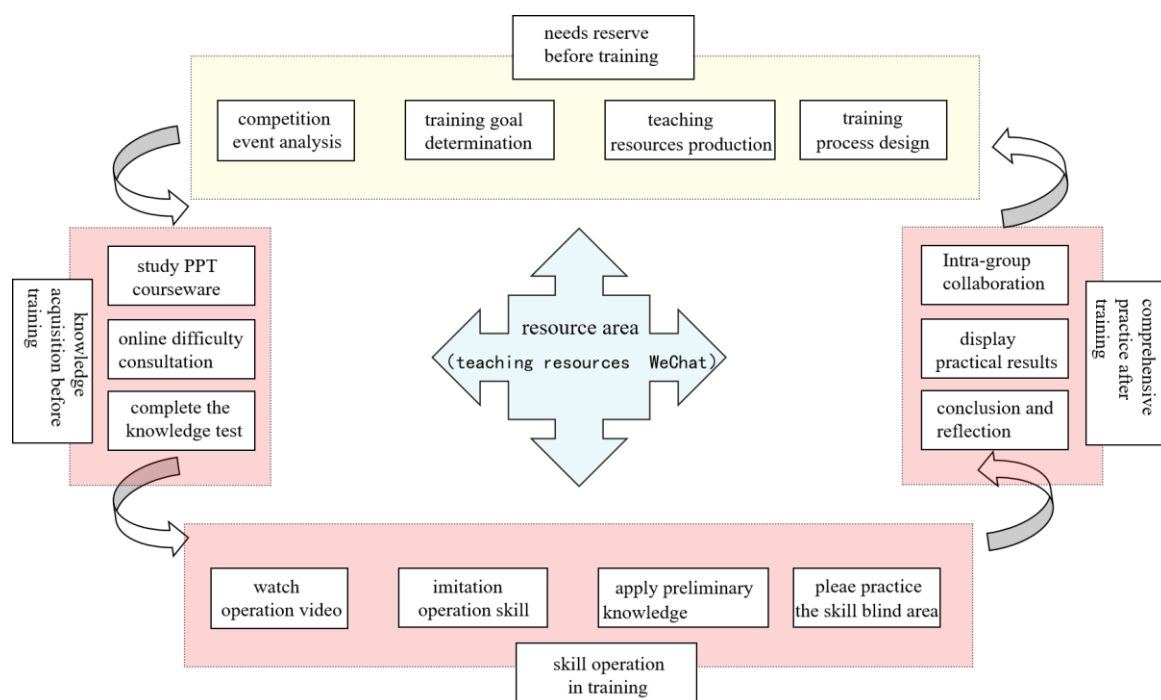


Figure 1. Design of competition event training mode based on flipped classroom

In a word, flipped classroom teaching mode is different from traditional teaching. It adapts to the information society, meets the needs of teaching reform, makes students benefit and makes teaching fruitful. Although in this mode, students are the center of learning, but teachers are particularly important. This kind of teaching mode makes the workload of teachers increase rapidly. It is not only the former lecturer, but also the provider of resources and the guider of teaching. The competition event training mode based on flipped classroom opened a new door for training of skills competition, which is the knowledge welfare of vocational education. However, this study lacks the corresponding case practice and significance proof, which is a pity and deficiency. "There is a road to the mountain of books, diligence is the path, there is no end to learning, and hard work is a boat". Next, I will continue to explore, to make up for the lack of research. In the academic road, every fork in the road should be taken. It is found that there is no way to go, which is a great contribution to the academic.

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