

# Analysis on the Influence of Skill Competition on the Teaching Reform of Computer Specialty in Higher Vocational Colleges

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**Abstracts:** The professional knowledge and skills mastered by higher vocational students are one of the reference standards to test their learning achievements. In recent years, in order to improve the professional knowledge and skill level of higher vocational education, various skill competitions have been carried out purposefully. Based on this, this paper analyzes the impact of skill competition on the teaching reform of computer specialty in higher vocational colleges for reference.

**Keywords:** Skill Competition; Vocational School; Computer; Reform in Education

## 1. Introduction

Skill contests are generally activities aimed at pursuing the highest level of vocational skills and promoting professional development and growth. The skill contests for computer majors mainly include network construction, website construction, video animation production and other contents, which are mainly the inspection and assessment of students' computer technology level. Through the skill competition, students can realize the problems existing in their professional learning, and continue to learn and improve. For schools, through the skills competition, they can understand the learning situation of students, implement education more targeted, and promote the selection and growth of talents.

## 2. The influence of skill competition on the teaching reform of computer specialty in higher vocational colleges

First, promoting the transformation of teaching ideas through skill competition. To carry out the skill competition, it is necessary to update and optimize the teaching facilities and equipment. At the same time, it is also necessary to comprehensively consider and analyze the teaching ideas, means and modes, find problems and formulate solutions, so as to make the teaching objectives more clear. In essence, the competition is also a means to cultivate students' innovative ideas and promote the transformation of students' learning attitude and concept.

Second, the reform of curriculum content can be promoted through skill competition. By organizing the computer professional skills competition, we can provide knowledge supplement for students' relevant skills teaching. In this process, we can

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expose the problems in teaching, so as to update the teaching content,innovate the teaching mode, effectively supplement students' knowledge structure and skills, and continuously improve students' professional skills.

Third, promoting the development of practical teaching through skill competition. In fact, the evaluation of the contestants' achievements in the skill competition can also be said to be the evaluation of professional posts, which urges teachers to change the traditional teaching ideas and means, optimize the weakest teaching links and speed up the reform of teaching mode. From the perspective of practical teaching,the skill competition can comprehensively improve students' practical innovation ability and level, and promote the sustainable development of practical training teaching. In the traditional vocational college teaching,more attention is paid to the classroom performance of students, ignoring the extracurricular operation problems. The skill competition can effectively solve the problem of students'lack of practical operation skills, promote the thematic cooperation between schools and enterprises, and more successfully complete the important task of teaching reform.

Fourth, the skills competition can be conducive to teachers' professional growth. In the skills competition, the role of teachers is to guide students and provide students with some important instructions. Teachers' teaching ability directly affects students' performance in the competition, which is an important challenge to the improvement of teaching level. The competition process is not only the process of students' growth, but also the process of teachers' professional growth.

### **3. The influence of skill competition on the teaching reform of computer specialty in higher vocational colleges**

#### **3.1 Further improving the teaching ability of computer teachers through skill competition**

In the higher vocational computer skills competition, through the analysis of students' competition results, it is found that the exertion of students' skills in the competition is affected by teachers. Therefore, if schools want to improve students' computer professional level, they need to start with teachers' professional skills and promote the improvement of students' computer professional skills by improving teachers' professional level. Vocational colleges can invite high-quality computer talents with excellent professional and skill levels from enterprises to train teachers in schools. For example,they can carry out targeted training on enterprise networks or specific practical projects according to the problems in the construction of enterprise intranet to improve teachers' teaching level. The problems in the server hypothesis are integrated and the system imparts knowledge to teachers. And organize teachers' field exercises and assessment, analyze and solve the problems in the erection of teachers' servers, so as to improve the efficiency of teachers' work. Through the training of teachers, we can effectively make up for the problems existing in teaching and truly learn and improve according to the needs of students. In addition, the school can arrange teachers to study outside to learn the teaching experience and skill level of other excellent teachers.

#### **3.2 Being student-centered and respecting students' dominant position in teaching**

When tutoring students in the skills competition, teachers will gradually realize the important role of students' subject status in the teaching process, actively change their teaching ideas, and begin to respect students' subject status. Based on the observation of students at ordinary times, teachers clarify the needs of students, and formulate appropriate teaching plans from the perspective of students and according to students' learning foundation and level. In classroom teaching, teachers should put forward problems that can arouse students' learning enthusiasm according to the teaching content. For example, when learning the knowledge point of "VLAN planning and deployment" in higher vocational colleges, you can first ask students: What is VLAN? What does it do? Let students learn the textbook content with problems and master knowledge purposefully. After the students have finished their study, the teacher will choose representatives to speak, encourage the students and recognize the students' views. At the same time, we should also focus on the problems existing in students' expression. When students are praised by teachers, their enthusiasm for participating in learning will become more high, they can correctly face their own problems, and put them into learning links faster with problems, so as to improve classroom teaching efficiency.

#### **3.3 Combining theory with practice and organizing students to practice on the spot**

In the context of skill competition, it is difficult for students to achieve a good effect if they only master theoretical knowledge. Only by combining theory and practice can they meet the requirements of skill competition. When carrying out computer teaching, teachers should scientifically integrate the teaching content into practical activities and fully reflect the main content of teaching. In the teaching activity of combining theory with practice, teachers can present the operation process in the form of micro class and display the operation process by using multimedia teaching equipment. Students can obtain and master knowledge by watching micro class and integrating the contents of textbooks, and have a preliminary understanding of the general operation

process. For example, when learning the content of “setting up DNS server”, teachers should use multimedia teaching equipment to visually present the operation process with reference to the text content. When students are generally familiar with the operation process, teachers should guide students to do practical training. In addition, the school will also arrange students to work in enterprise computer posts to establish a good cooperative relationship with enterprises. In the process of practice, students are bound to master more knowledge and skills, find their own problems in practical training, and calmly deal with them according to their own experience, in order to constantly improve and improve, continuously upgrade their computer professional skills, and better meet the requirements of future jobs.

### **3.4 Improving the construction of school computers and creating conditions for teaching reform**

For vocational colleges, to improve students' computer professional skills, we should not only improve the relevant teaching facilities and equipment. In the teaching of computer specialty in some vocational colleges, the computer facilities and equipment are not particularly perfect, and it is difficult for teachers to achieve a good effect in teaching. In addition, some computer facilities and equipment are not updated in time, and there are problems of aging and performance loss, so that students may have the problem of system paralysis during operation, which not only cannot meet the requirements of students' computer learning, but also cannot meet the requirements of skill competition. Therefore, higher vocational colleges should apply to local education departments or government agencies for financial subsidies in teaching, purchase and build computer facilities and equipment, so as to meet the requirements of students' computer practice training.

## **4. Conclusion**

In a word, the skill competition plays a very important role in the teaching reform of computer specialty in higher vocational colleges. The skill competition can promote the transformation of teaching ideas, promote the reform of curriculum content, and boost the development of practical teaching to help teachers' professional growth. Therefore, the majority of educational work should recognize the importance of skill competition, take students as the center and respect students' dominant position in teaching and combine theory with practice as well as organize students to practice on the spot, in order to improve the construction of school computer, create conditions for teaching reform, and improve students' computer professional operation ability and level.

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