Vocational College Computer Teaching Problems and Countermeasures

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Abstract. Current computer teaching career colleges generally follow the traditional teaching mode, still the classroom, books, teacher-centered, ignoring the practical exercises teaching, individualized teaching ignored. This paper analyzes the problems of computer teaching, proposed solutions to this problem and in Computer Teaching should change teaching ideas, focus on training students' creative thinking and innovation. Computer courses are vocational students in faculties of University foundation courses, also a student after graduation employment, entrepreneurship basic development needs. Computer knowledge learned solid or not, directly affect the students' employment and entrepreneurship. Vocational College Teaching and the current computer problems still exist, computer teaching innovation imperative.

Computer Teaching Problems

Vocational College opened a general "Computer Culture Foundation". "Computer Culture Foundation" is a computer professional basic course, students learn and master the knowledge of computer hardware and assembly introductory programming course. Through this course, students master the basic components of the computer from the theory and practice, working principle and hardware interface circuit connection, the establishment of the whole concept of the computer system, and has an initial capacity of micro-computer system hardware and software development. Therefore, the computer classes to students learning computer theory, meet the needs of the community, students learn computer theory, meet the needs of the community, to develop students ability to innovate has practical significance. However, the current vocational colleges and universities there are many problems in the teaching of computer courses. [1-3]

Traditional Teaching Model Constraints and Impact of the Cultivation of Students' Innovative Ability. Currently in computer teaching in vocational colleges generally followed in the classroom, teaching materials, teacher-centered traditional teaching mode. Teachers' self-centered, textbook-based, active classroom radius scripted. This traditional mode of teaching is difficult to mobilize, to stimulate student interest, students trained by the lack of practical ability, innovation ability, it is difficult to adapt to the new demands of talents under market economy conditions, but could not do the job, the task of entrepreneurship, has seriously It affects thinking, creative innovation ability of College Students.

The Impact of Differences in Teachers' knowledge on the Ability of Students. Although the computer courses is an emerging discipline, but because of computer theory, computer applications, rapid technological change, upgrade quickly, use is also more widely, so we are also more difficult to adapt to the development of teachers' subject knowledge, technology, knowledge is more obsolete, new knowledge, new technology is poorly understood. Especially for computer and application technology, maintenance means less understanding of many problems in the operational practice of students raised difficult to solve. Professional knowledge, professional technical deficiencies teachers, bound to affect the cultivation of students' abilities.

Outdated Equipment and Difficult to Adapt to the Needs of Teaching Students Skills Training. Currently, there are many professional colleges and universities is a new national institutions established in the integration of resources in higher education, generally poor school

conditions, teaching facilities and equipment are quite outdated, less maintenance expense, more failures, functional defects. Computer is a highly technical subject, students in the learning process, in addition to master the basic theoretical knowledge, the students themselves have to rely on more hands-on, practical improve operational capacity. Through hands-on, and facilitating the acquisition of theoretical knowledge, but because of these problems, the difficulties on student computers, a serious impact on improving students' skills.

Measures to Improve the Quality of Teaching Computer

Teaching ideas is the soul of teaching, teaching model is to determine the theoretical basis, theoretical guide promoting the teaching reform. Vocational College in computer teaching reform, we must change the traditional teaching ideas, and establish the concept of quality education, innovation and explore new ideas and talents.

Change Teaching Mode, Induce Students to Create Passion. Traditional teaching model to inspire students 'enthusiasm, initiative, and harder to induce students' creative passion. Students in the learning process, if it is never imposed a state of passive learning, it is difficult to live with the knowledge to learn, harder to knowledge fusion digestion. It is a computer application courses, technical courses and practical, very strong. Teachers in teaching this course, we should focus on explaining the status of the computer technology in modern society, the real-life role, the passion of students computer classes mobilized. As long as students have the desire to learn, passion, students will be able to play in the learning process of creativity, you can make teaching achieve a multiplier effect. Change teaching model, is to guide students to master the theoretical knowledge on the basis of further strengthening of practical teaching, the use of modern teaching methods, theory and practice, teaching and practice of the complete interactive.[4-5] To this end, we selected 2013 Medical Laboratory Technology vocational college students named 84 subjects, both Class1 and Class2 are 42. Evaluation of student groups, gender, age, degree of knowledge in the statistical analysis and other general information was no significant difference. Class1 as the experimental group, the use of modern teaching modern model-based, supplemented by traditional teaching Classe2 as control group using traditional teaching models and methods. Two class instructors, teaching materials, lesson plans, teaching standards are the same. After the end of the semester teaching tasks, the use of theory, practice exams and classroom questionnaires in two forms to be evaluated. Classroom questionnaire: a double-blind, randomized bearer fill classroom recycling, by the hand statistics, 100% recovery rate. Assessment: Theory scores accounted for 70%, 30% practice results. Two classes theory examination papers, time and practical subjects are the same. Two sets of examination results is shown as Table 1 and survey results is shown as Table 2.

Table 1. Two sets of examination results

Grouping	Number of cases	$\overline{x} \pm S$	t	P
The control group	42	77.2±8.2	2.72	0.006
The test group	42	77.2±8.2		

Table 2 Experimental group survey results (42) people%

Items	Great	Better	Ordinary
Evaluation of Modern Teaching Mode	80%	18%	2%
Stimulate interest in learning	65%	24%	11%
Improve the practical ability	70%	15%	15%
Cultivate self-learning ability	65%	20%	15%
Improve the ability to analyze and solve problems	58%	20%	22%

Statistical analysis showed that the experimental group was significantly higher test results, the difference was statistically significant (P <0.05). Survey results show that most of the students in

the experimental group of modern teaching model to give a higher rating, that it can effectively improve the efficiency of the class and the quality of teaching for understanding and mastering expertise have greater benefits.

Theoretical Teaching Should be Fine, Pay Attention to Practical Ability. In some professional colleges and universities teaching computer courses, the principles, theory class teaching too much, it sounds boring students. Quality of students and vocational colleges already the quality of students in colleges and universities have a large gap, if the majority of lessons are taught with the theoretical knowledge, students in the learning process are forced, Helpless, the harvest will be minimal, this course will lose the confidence and desire to learn. Thus, the theory of vocational colleges and universities to teach computer classes in fine, to try to teach practical, strong theoretical knowledge, profound, and sometimes difficult to get to know even less about speak. Bring students to participate in practice, in practice, teaching, practice teaching, the theory and practice combine to do, so that students continue to explore, discuss the process of theoretical knowledge, theoretical knowledge learned into the practice, their divergent thinking , the development of independent analysis, thinking and problem solving skills. When students complete the task independently, there will be a sense of satisfaction, pride, and thus better mobility, improve and inspire students to learn new knowledge, new technology desires. Teachers should train students diligent in thinking, change from passive to active, change negative into a positive learning ability, focus on training students' innovative consciousness and innovative spirit. [6]

Reform of Assessment System, Cultivate Innovative Talents. Vocational College Computer current assessment system is still followed the traditional book knowledge to assess led evaluation system, the relevant computer theory, principles, terms and concepts and other knowledge book knowledge as the main test sites. Such examinations require students to memorize, memory is a type of test, it is difficult to test the students to apply theoretical knowledge learned to solve practical problems and level, resulting Gaofendineng phenomenon. In the knowledge economy, in particular the advent of the information society, to accelerate the updating of knowledge, this abuse examination system more and more prominent, has seriously affected the cultivation of constraints and the information society needs new talent.[7] Thus, the traditional examination system reform, and the establishment of open-book closed book binding, both theory and practice of pluralism exam assessment system is very important. Vocational College in Computer Teaching, to change the concept of quality talents, explore and reform of education and teaching quality appraisal system, which is of great significance to the cultivation of innovative talents.

In the information society, the main way students access to information and knowledge is not limited to character says and teaching, the classroom teacher is no longer their responsibility to disseminators of information, teachers not only "preaching, Tuition, FAQ" ancient creed messenger, but it should be student guide, collaborator, facilitator and motivator. Teachers in the teaching process to students grasp the true feelings regarding the implementation of people-oriented, so the times, explore new teaching ideas in the Information Age, the new models and new ideas to promote students to create innovative ability.

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