

Development of Professional Competence of Future Teachers of Technological Education

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Abstract

The organization of practical classes in technology requires teachers to have high professional skills. They must have a deep knowledge of student psychology, practical skills, new pedagogical and computer technologies, life experiences. The author expressed his views on the direction of students in choosing a profession in the teaching process of technology in secondary schools.

Keywords: Modern production, development of scientific technology, experience, knowledge, ability, skills, professional mobility, creative features, complex automatic processes.

The main purpose of technological education in general secondary schools and vocational schools is to provide students with effective, efficient education that develops the skills and abilities to perform technological operations, prepares them for future work in manufacturing, as well as forms a technical outlook. The content of technological education should also be aimed at preparing students for career choice by providing students with a system of knowledge about the field of production, as well as the formation of skills and competencies to teach the use of the most common tools, technical means in practical work.

The higher the effectiveness of the content of technological education in general secondary schools, the less the solution to the problems of career choice. Because technological education should serve as a basis for preparing students for the profession.

In the process of technological education, it is expedient to carry out the work of sending students to the profession through the formation of the basis of knowledge, skills and abilities, involvement in scientific and technical circles, creative work. The content of technological education in directing students to choose a profession will be:

- Knowledge of the scientific basis of technology and their application in practice, as well as mastering the methods of practical assessment of information, the search for knowledge, the use of knowledge in the process of improving effective labor, interdisciplinary knowledge in the analysis of industrial phenomena, computer literacy;
- In directing students to career choices, the content of technology lessons should be seen as a factor in unlocking students' talents and abilities, especially technical, design, and research work;

- Technological education performs didactic (teaching) and educational (formative) functions. The didactic function is one of the main tasks, that is, it prepares students to make maximum use of scientific achievements in various fields of modern production.

To this:

- 1) formation of a technical worldview on the basis of modern production;
- 2) transfer to the basics of the world of science with the development of scientific technology;
- 3) equipping students with the basics of scientific knowledge necessary for universal practice;
- 4) teaching the general economic principles of modern production, which are important for the application of intersectoral relations;
- 5) orientation to a market economy, which is necessary for the professional mobility of young people;
- 6) development of the student's strengths and abilities, which then determines the creative nature of the work and the choice of profession;
- 7) psychological and practical preparation of students for the management of complex automatic processes.

The common goal of all forms of technological education content is to connect students with the level of development of life, production, science and culture.

However, in this regard, the development prospects of the production of technological education content should also be taken into account.

The task of creating theoretical and practical conditions for full-fledged high-tech education of schoolchildren is carried out in the following main ways:

- 1) effective and appropriate use of technological training aimed at solving problems for the full development of the student's personality;
- 2) the relationship between labor and vocational education in the process of career guidance, career choice and vocational adaptation;
- 3) strengthening and deepening the practical direction of teaching all subjects;
- 4) introduction of compulsory regular production work of the student for formation of various work experience;
- 5) further strengthening the school's close ties with key manufacturing enterprises.

Technological education plays an important role in ensuring the right choice of profession, the formation of the ability to react quickly to the ongoing scientific and technological changes and innovations that are constantly applied to technological processes.

It is possible to improve career choice through the organization of targeted workshops in cooperation with industrial enterprises, the use of existing production training facilities in educational institutions, strengthening the study of the theoretical foundations of labor processes in industrial enterprises, the acquisition of practical knowledge and skills. At present, in order to prepare students for career choice by finding the most effective ways to solve the problems of technological education and labor education, the experience of conducting various extracurricular activities in the field of technical creativity should be carefully studied and generalized.

The content of technological education plays an important role in ensuring that students make the right career choices, in developing the ability to react quickly to ongoing scientific and technological changes and innovations in technological processes.

In the process of teaching the basics of technological education in modern schools, first of all, students get acquainted with the scientific principles of processes based on the most important modern branches of engineering - mathematics, physics, chemistry, biology, geography and a number of other disciplines. Production is carried out in the process of equipping them with knowledge in the field of modern production technology and organization, as well as special labor education.

Technological education included in the curriculum as an academic subject starts from 1st grade and aims to provide students in grades 1-8 with an initial range of knowledge and skills necessary for life in the field of technology, agriculture and domestic labor, to develop their technical thinking, design skills, general work culture. One of the important technologies in teaching general secondary school students is to teach them to acquire labor skills based on an understanding of the general principles of modern production activities. This knowledge is provided on the basis of general and technological education.

It is important to participate in scientific and technical seminars in the form of practical training at school or in special production practice.

In order to effectively solve the problems of developing creative technical thinking, it is important to involve students in different types of technical creativity and design.

This type of training can be in the process of practical training, as well as in extracurricular activities - in various types of technical circles and departments, technical re-equipment of the school: equipping classrooms with modern equipment, automated programmed training, language laboratories, school radio center installation. and so on.

Choosing the right profession is an important step in a person's life, the success of the younger generation throughout their lives depends in many ways on how well they choose the right profession.

The right choice of profession should take into account the health, mastery and feelings of each student in order to suit the objective arguments, interests, inclinations, abilities and capabilities of each student, who are more determined and manifested in socially useful and productive work.

If a person has a creative approach to his work, constantly increases productivity, looks at his chosen profession with great interest, understands the social significance of his work, improves his skills at work, then he will be satisfied and happy with work, so everyone in society benefits.

It is from these considerations that career choice has a very important social significance. If a person loves and respects his profession, he will be happy, satisfied, show great initiative, tirelessly increase productivity.

The choice of profession by school students should be a conscious necessity and at the same time in the interests of society, to meet the personal interests of boys and girls on the path to maturity. This requires a high level of education, and in our century, without such knowledge, science and technology can not develop rapidly. Such opportunities for the formation of general and special skills, interest in the profession have an objective basis and are realized every day in reality. The rapid development of industry, great strides in mechanization and electrification of agriculture, achievements in science, technology and culture have created practically unlimited opportunities

for young people to choose a profession based on their interests and abilities, on the one hand, and the needs of the national economy. , there are conditions for a positive solution to the problem of vocational guidance in the context of labor polytechnic education in general education school.

It is important to educate the younger generation to be creative in their approach to work. Creativity is something inherent in human activity in general. There will be an opportunity to develop their abilities in all respects, because children become interested in work from an early age, they imitate their parents, people around them in their games, repeat their labor actions. It serves as a favorable factor for the acquisition of universal labor skills at this age.

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