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## MODERN METHODS OF CAREER GUIDANCE IN TECHNOLOGY

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### Abstract

This article provides a detailed description of modern methods of career guidance for students in the field of technology. It analyzes the role of innovative pedagogical technologies, interactive methods and practical exercises used in the educational process in developing students' professional interests and abilities. It also considers the issues of combining theory and practice in lessons, and the formation of students' work skills by teaching them independent thinking, creative approach and problem solving. The article also describes effective methods that help students make a conscious choice of their future profession, as well as modern forms and tools of career guidance.

**Keywords:** Technology science, competence, innovative approach, profession, labor education, digital education, creative thinking, practical activity.

### Introduction

In today's conditions of globalization and technological progress, one of the important tasks facing the education system is to guide students to consciously choose a profession. Technology plays a particularly important role in this regard, as this subject serves to form practical skills in students, develop an attitude towards work, and arouse professional interests. In modern educational conditions, the use of innovative and competency-based approaches in teaching technology is an important factor in correctly determining the professional direction of students.

The modern education system requires equipping students not only with knowledge, but also with professional competencies. In the 21st century, with the



acceleration of economic and technological processes, the emergence of new professions, and digital transformation, the readiness of students to work and their orientation to the profession have become one of the strategic goals of education. Technology is of particular importance in this regard, as it teaches students, along with theoretical knowledge, practical work, understanding production processes, and forming a work culture. The competency-based approach transforms the student from a passive learner into an active subject in this process, thereby developing a professional orientation and creative thinking.

The Law of the Republic of Uzbekistan "On Education" and the "New Uzbekistan – 2030" strategy identify the organization of the educational process on an innovative basis and the development of professional competencies in students as one of the important priority areas.

In the modern educational process, the issue of directing students to a profession is considered one of the most important factors of socio-economic development. In the current labor market, competitive, technologically minded, creative young people are becoming the decisive force for the development of society. From this point of view, technology plays an important role in forming students' practical thinking, preparing them for hard work, responsibility, discipline, and a professional career.

However, there are a number of problems in the education system that reduce the effectiveness of this process. First of all, the content of technology lessons in many secondary schools is still based on a traditional approach. Students are given priority over skills aimed at memorizing theoretical knowledge, rather than competencies related to real production processes. Therefore, the practical significance of the concepts of "labor" and "profession" is not fully formed in students.

Secondly, many educational institutions lack modern equipment, innovative technical means, and conditions close to the production environment for teaching technology. This reduces students' interest in their careers. Thirdly, some teachers have not sufficiently implemented the use of digital technologies, engineering approaches, and project-based learning elements in their lessons.

At the same time, the mechanisms for identifying students' personal interests, individual inclinations and talents in the educational process are not fully



functioning. Students often choose random directions without knowing the professions that suit their interests. This leads to a lack of motivation in their future work.

As a solution to these problems, it is necessary, first of all, to introduce a system of innovative approaches to teaching technology. Lessons should not be limited to making objects or simple practical exercises, but should be enriched with areas such as project-based learning, STEAM approach, digital design, robotics, 3D modeling. Such an integrated approach will increase students' creativity, develop engineering thinking, and prepare them for a real professional environment.

Also, one of the important solutions is to establish close cooperation between vocational education and general education schools. The organization of "vocational weeks", "practical laboratories", and the "teacher-student" system in cooperation with colleges, industrial enterprises, and vocational centers within the framework of technology lessons will help students understand the real professional environment. Through this, the student will feel not only the labor process, but also its social and economic value.

In addition, the extensive use of digital educational resources in technology lessons, such as career-oriented virtual simulators, 3D models, online project platforms, and video master classes, can ensure active student participation. This approach not only develops students' independent thinking, but also brings them closer to the requirements of the modern labor market.

The pedagogical environment is also important in this process. The teacher must identify the student's interests, create appropriate conditions for them, and conduct the career guidance process in a personalized manner. In this sense, the professional potential, level of innovative thinking, and digital competence of the technology teacher are among the main factors of the quality of career guidance.

Another solution is to develop gender equality and an inclusive approach to education. Through technology, not only boys, but also girls should have the opportunity to choose careers that suit their abilities. Every student should have the opportunity to realize their creative potential and find their place in society.

As a result of the use of modern methods of career guidance in technology, students' interest in education increases, they begin to realize their abilities and potential. However, to effectively organize this process, the teacher is required to



have high professional skills and master modern pedagogical and information technologies.

At the same time, it is also important to strengthen the material and technical base of educational institutions and provide them with modern equipment. By strengthening cooperation with parents and society, students can be encouraged to take a more conscious approach to the process of choosing a profession. This will increase the effectiveness of the career guidance system.

Summarizing the above points, it can be said that the teaching of technology serves to form students not only for practical activities, but also as creative, economically and socially mature individuals. The main task of this subject is to instill in the student the concept of "labor is value", to direct him to modern professions and prepare him for independent life.

In conclusion, the use of modern methods of career guidance in technology is an important factor in the development of students' professional competencies. The combination of innovative approaches, digital technologies and practical activities helps students make a conscious choice of their future profession. Therefore, the widespread use of modern methods and tools in teaching technology and improving the educational process is one of the urgent tasks of today.

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