

PROBLEMS AND SOLUTIONS OF TRAINING ENGINEERS IN VOCATIONAL SCHOOL PROFESSIONAL ACTIVITY

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Annotatsiya: Maqolada kasb-hunar maktablari uchun zarur bo'lgan avtomobilsozlik sohalarini jadallashtiruvchi muhandislarni tayyorlashning muammolari va yechimlari tahlil qilish barobarida, taklif va tavsiyalar ham keltirib o'tildi.

Kalit so'zlar: Bilim, ko'nikma, kapital, muhandis, avtomobilsozlik.

Annatation: In the article, along with the analysis of the problems and solutions of the training of engineers who accelerate the fields of automotive engineering necessary for vocational schools, suggestions and recommendations are also given.

Key words: Knowledge, skills, capital, engineer, automobile industry.

In the conditions of globalization, one of the strategic goals of professional education is to prepare intellectual potential personnel, to prepare "capital" that is created through competitive human labor in the labor market. Today, the need for a specialist is becoming a problem of every national society day by day. Today, it is to support the sustainable development of national societies and economies in the countries of the world by creating conditions for the professional development of individuals in our society. In this regard, there was a need to search for innovative, more intensive "teaching" approaches to the organization of the educational process in vocational schools. In this regard, "the engineer of the human mind is an educator and teacher", "the engineer of human life and health is the doctor." Of course, it is difficult to imagine the development of society without technology. In this case, the direct creator is the engineer. As we develop our own formula for development, we will also have to train the specialists necessary for development.

It is one of our highest goals to start this process in pre-school education (kindergarten), schools and vocational schools and to train potential and knowledgeable specialists through this.

The main competitive advantage of a highly developed country in the modern world is its human potential. The development of social intelligence is becoming the most important factor for successful and sustainable development, where it is more important than ever that vocational education plays the role of a leading mechanism of production. Because a large part of the population cannot get a higher education, professional education is an important element of the innovative potential of the society, taking into account the changing nature of the modern engineer's work.

The development of scientifically based recommendations in the professional education system of our republic is related not only to the understanding of national interests in the field of education, but also to the general trends of world development:

- globalization of processes and events that contribute to the mutual absorption of cultures;
- formation of education as a priority value of society;
- increase in the flow of information, constant updating of knowledge;
- the need for continuous education throughout a person's life;
- changing the nature of cognitive activity based on the unity of cognitive processes and scientific methods, flexibility and versatility of thinking;
- emergence of systematic-informational and evolutionary-synergistic paradigms as a new way of thinking;

- formation of information and information technologies as a strategic factor, a source of development and the main productive force of the modern information society;
- humanization of science, reconsideration of its role and place in human development; the need for the integrity of scientific knowledge.

At the current stage of world development, the transition to competence-oriented education, which is one of the areas of modernization of professional education, is becoming natural.

A competency-based approach:

- responds to requests in the field of production;
- manifests itself as an update of the educational content in response to the changing socio-economic reality;

consists of a generalized condition of a person's ability to act effectively outside educational plots and educational situations;

- appears as a basic tool of modernization.

Many researchers currently believe that the paradigm of educational outcomes is becoming a more complete, personal and socially integrated result of knowledge, skills and competences (SKM), which is short and they believe it will be beneficial in the long run.

The most important strategic task of education was the transition from a knowledge-oriented paradigm to a person-oriented paradigm. This meant adopting a new paradigm of educational outcomes - the competency approach. However, with such an approach, the study of science does not leave the list of requirements for student training, it performs a subordinate, directional function. Thus, G.S. Savolainen stated that the value and intrinsic value of knowledge does not decrease with this approach. Its essence is to change the attitude to knowledge and the methods of its acquisition: knowledge is transferred from the goal of pedagogical activity to the independent development of the individual, his professional growth.

Thus, building professional training on the basis of competence is a logical, socially and economically justified process.

Vocational schools not only solve the problem of finding "investment", which is important for the worldview of students at the current stage of "Automotive development" based on state educational standards, but also become the owner of a permanent profession that has become the meaning of his life. In order to further intensify this process, it is necessary to develop the skills of "engineering" in vocational school students through creativity and inventiveness. The student is not only a master car repairer, but also needs to gain knowledge, skills and experience in creating it. In this regard, adapting the existing equipment of vocational schools to the needs of the times, establishing mechanisms of continuous encouragement by our state for them should be one of the reforms that cannot be delayed in our current life.

Today, it is more important than ever that our "black-eyed" brothers and sisters studying at vocational schools find a suitable job in the labor market. Isn't it time to involve not only boys, but also girls in this industry in the current processes. In a society where a straight girl is seen as a "housewife", this may seem like a bit of a stretch. However, it is an important fact that in the labor market, not only boys compete with boys, but girls who are just starting to develop gender relations compete with boys in this field.

As these and other processes require the training of engineers today, it is important that we not only consider this higher education as the work of the system, but also consider it as a task on the shoulders of professional education. If only there was such an intensified competitive environment in engineer training, we would be able to produce the "masters of Chinese electric cars" that we dream of... This is definitely one of the suggestions and recommendations for solving the existing problems in this field. It's no wonder that girls take over the work that boys couldn't do or create.

Taking into account the effectiveness of this type of activity, we focused on positive changes in the motivational sphere, which are manifested in the student's research and creative activity. The study showed that research work at all stages of education is not only an effective means of justifying and developing some rules of the studied subject, but also the most important means of developing students' reflexive ability: self management, self-organization, self-control, as well as the starting point for the development of subjectivity and independent creative abilities in students.

In conclusion, the developed methods of testing sustainable motivation for research in professional activity allow students to determine the role of modern approaches in changes in the automotive industry.

Lack of preparation for effective management often leads to various difficulties. In modern conditions, knowledge and skills as a unit of educational outcome are necessary, but not sufficient, to achieve success in society. For a specialist, encyclopedic literacy is not important, but the ability to apply generalized knowledge and skills to solve specific situations and problems that arise in real professional activity.

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