

**BASED ON THE INDICATORS OF THE DEVELOPMENT OF THE DIGITAL ECONOMY,
STUDENTS IT CAREER GUIDANCE**

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Аннотация: *Разработка основ использования методов и средств передачи знаний, умений и навыков о показателях развития цифровой экономики при ориентации обучающихся на IT-профессию*

Ключевые слова: *учащийся, профессия, направление, ИТ, знания, урок, обучение, образование, цифровая экономика, ИТ-академия, интеллектуальная деятельность, современное информационное общество, инновационная деятельность*

Annotation: *Development of the basics of using methods and means of providing knowledge, skills and qualifications about the development indicators of the digital economy in directing students to the IT profession*

Key words: *student, profession, orientation, IT, knowledge, lesson, training, education, digital economy, It Academy, intellectual activity, modern Information Society, innovative activities*

INTRODUCTION

Under the leadership of our president, extensive reforms were carried out in the country, covering all areas, and this work is currently continuing at a new stage and on a larger scale. Whether it is the structure of public administration, health care, sports, education, it gives a positive result in all areas. Educating the younger generation in the spirit of patriotism and nationalism is an urgent task. This will require increased attention to education and upbringing in the family and educational institutions.

As we know, the prosperity, social, political, economic stability of any society depends on the high level of development of the mental and moral potential of its citizens. After all, the construction of a democratic legal state that ensures integration into the world community in the spiritual renewal of our society, in the formation of a socially oriented market economy, the national issue of personnel training is a priority criterion plays an important role. Since the formation of a new system of personnel training, based on the rich intellectual heritage of the people and new achievements of modern culture, economics, science, engineering and technology on the basis of universal values, has become one of the most important conditions for the development of the Republic of Uzbekistan..

RESEARCH AND RESULTS

As a human child grows up, he or she strives for science, education, and the first lesson he or she learns from school. As part of improving the education sector based on the latest achievements in the field of ICT and in order to meet the high demand for qualified IT personnel, the Resolution of the President of the Republic of Uzbekistan “On measures to further improve the education system in the field of information technology, the development of scientific research and their integration with the IT industry” was adopted. Based on this resolution, republican district (city) schools on the basis of existing comprehensive schools are organized in stages. Accordingly, in 2020, 14 basic schools were opened in this area, and in 2021-2023, it is planned to create a total of 205 specialized schools throughout the republic. “One Million Uzbek Coders” occupies an important place in a wide range of projects for training IT specialists. This major project was launched in Uzbekistan in November 2019 by the Ministry for Development of Information Technology and Communications of the Republic of Uzbekistan with the support of the Dubai Future Foundation of the United Arab Emirates and jointly with the IT Academy at IT Park, Inha University in Tashkent and the specialized school for advanced training in information technology named after Muhammad al-Khwarizmi. Today, there are many programs aimed at modernizing the content of education, improving the quality of education, and widely introducing innovative technologies in education. Of no small importance is the organization of independent work in the classroom and practical classes. In the current conditions, when the flow of information and the volume of knowledge are rapidly expanding, it is, of course, difficult to convey all the information to students only in the classroom. Therefore, teachers should pay special attention to the correct organization of independent work of students. Information technology is penetrating more and more into human life every day. Today, even the most ancient professions require computer programs and various IT technologies. In this regard, a computer science course has been introduced in schools, since children learn much easier and faster than adults.

In addition, almost all modern schoolchildren have a computer at home, they are happy to improve their knowledge after school. Studying at the university requires a student to have minimal knowledge in the field of computer technology. More and more often, teachers require that tests, term papers and theses on computer science be submitted for review only in printed form. Therefore, a future student cannot do without studying text editors and some other useful programs. It should also be noted that the computer skills acquired in computer science classes are useful both in studying the humanities and in studying specific sciences. Computer science is a leader in such connections between various subjects and disciplines. Some experts believe that computer knowledge from a computer science course at school may not be useful to all schoolchildren in the future, and therefore question the advisability of teaching this subject in comprehensive schools. But if we take into account the professional focus of graduates, then this subject of the school curriculum becomes very necessary and essential

for study. It is much easier for young people who have tried themselves in the field of computer technology to choose a future profession. Computer science is understood as a natural result of the historical development of the information sphere of society. Information processing technologies have existed for more than a century, and the evolution of their development has gone through several stages due to scientific and technological progress. At the present stage, the technology of intellectual activity is being implemented. Information technologies based on computer technologies are capable of implementing intellectual procedures: automated design, computer modeling, financial and economic activity, multilingual translation, various types of diagnostics, educational systems, data search, sorting, etc. This is the fourth stage, many new areas of theory and practice have appeared related to the study and production of technical means, methods, technologies that ensure the growth of new knowledge, as well as human activities related to the processes of changing information. Computer science is a science that forms a systemic and information approach to the analysis of the surrounding world, studying information processes, methods and means of obtaining, changing, transmitting, storing and using information.

Computer science is not only a science, but also an area of its widest application. They cover almost all types of human activity: production, management, culture, education, medicine, financial activity, environmental protection, etc. Computer science is also an area of human activity related to the processes of information transformation using computers and their interaction with the practical environment. The area of interest of computer science is the structure and general characteristics of information, as well as issues related to the processes of searching, collecting, storing, changing, transmitting and using information in various areas of human activity. It is impossible to imagine the processing of huge volumes and information flows without automation and communication systems, therefore electronic computers and modern information and communication technologies are simultaneously the main core and material base of computer science. It is impossible to include in school computer science all the diverse information that makes up the content of actively developing computer science. At the same time, a school subject that performs general educational functions should reflect the most important, basic concepts and information that reveal the essence of science, equip students with the knowledge, skills and abilities necessary to master the basics of other sciences. at school, and also prepares young people for future practical activities and life in the modern information society. In order to guide the profession, the computer science course should provide students with information about computers and professions directly related to computer science, as well as about the various applications of subjects studied at school using computers. In addition to the production side of the issue, the practical goals of teaching computer science include the "everyday" aspect - preparing young people for the rational use of computer technology and other information and communication technologies in everyday life - this is about preparing for use.

CONCLUSION

The educational goal of the school computer science course is ensured, first of all, by the strong influence of the students' worldview, which ensures awareness of the possibilities and role of computing technologies and information technology tools in the development of society and civilization. all. The contribution of the school computer science course to the scientific worldview of schoolchildren is determined by the formation of an idea of information, which is one of the three main concepts of science: matter, energy and information, which forms the basis of the modern scientific structure. picture of the world. In addition, when studying computer science at a qualitatively new level, a culture of intellectual work is formed and such important universal features as planning your work, its rational implementation, critical connection with the real process of its implementation are formed. The study of computer science, in particular the creation of algorithms and programs, their implementation on a computer, requires mental and volitional efforts, concentration, consistency and developed imagination from students, which should contribute to the development of such valuable personal qualities. determination and purposefulness, creativity and independence, responsibility and hard work, discipline and critical thinking, the ability to argue one's views and beliefs. The subject of computer science at school, like no other, makes special demands on the accuracy and brevity of thinking and actions, because the accuracy of thinking, presentation and writing is an integral part of working with a computer.

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