



INFORMATION COMMUNICATION TECHNOLOGY MATERIALS AND THEIR ROLE IN EDUCATION.

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Abstract: In addition to increasing the intellectual potential of students, information and communication technologies, the more effectively we can use them in the field of education, the more media education will improve. This, in turn, increases the professional competence of the pedagogue.

Key words: multiplexing, information technology, innovative, communication, information media, electronic library, multimedia, tool.

It is known that information and communication technologies are associated with discoveries in the fields of microelectronics, computing (hardware and software), electronic communications and antoelectronics - microprocessors, semiconductors and optical fiber cables.

These discoveries allow the development and storage of vast amounts of information and their rapid distribution through communication networks. Connecting computers and configuring them to communicate with each other allows creating a new powerful technological system, network information systems using a common protocol. They connect people, their homes and offices and develop and execute a huge number of tasks in a very short time. This will fundamentally change the nature of information use and the structure of communication. At the same time, computer networks allow communication with all points of the Earth. For the educational system, it creates new opportunities for communication between teachers and students.

The innovation and uniqueness of information and communication technologies from the point of view of human development is that they penetrate almost all spheres of human activity, they can be used for unlimited places and purposes. Such information and communication technologies make it possible to overcome obstacles in the process of human development with unprecedented effectiveness in three directions:

1) Overcoming obstacles to acquiring knowledge. The use of information is of great importance for the formation of human opportunities for education. If education leads to the development of cognitive skills, information is needed to provide a meaningful aspect of the knowledge acquisition process. The Internet and the "World Wide Web" serve as an information search channel for people of all social strata.

2) Eliminates obstacles to participation in social life. The ability to communicate with the whole world through the Internet has made it possible to spread many global citizenship initiatives in recent years. For example, the movement to provide feedback in the educational system.

3) Eliminates obstacles to expanding economic opportunities. Information and communication technologies and related fields, as well as the education system, are the fastest growing sectors. New information technologies dramatically expand access to information and communication. E-mail, electronic libraries - sites provide unlimited opportunities for the educational system, eliminate any borders, make it possible to receive educational and scientific information from anywhere in the world.

Informational and educational activities. The globalization of the educational problem - from conducting seminars to revealing the essence of terrorism and religious extremism - increases the importance of informational and educational opportunities of electronic networks. New information technologies allow connecting science and education with closer and more effective channels of conveying accumulated knowledge, supplementing and re-evaluating it. Today, science is the main, dominant tool for the development of the educational system. This was not always the case, advanced information technology has changed the importance of science in the education system. Society creates a new scientific structure related not only to the development of science itself, but also to the education and training system. The future of education. Currently, there are approximately 2.5 billion unique web pages that everyone uses on the Internet, and 7.3 million new ones are added every day.

Today, the number of wireless Internet-enabled devices, including mobile phones, exceeds the number of Internet-connected personal computers. Currently, the volume of e-commerce in the world is 233 billion. is a dollar. as the number of users increases, information technologies are limited only by the possibilities of human imagination. The problem of raising a mature, all-around developed person requires the education system to form the desire of the young generation to acquire not only the achievements of the national culture, but also the achievements of the universal world culture. The idea of educating a perfect personality is one of the priority ideas of national independence.

It is a task to increase the quality of education and the level of spiritual and ideological education. The implementation of the national personnel training program must be based on new information technologies. Civil society cannot be built without stimulating the education system. The educational system should not be a static system of closed points of view, but a continuous process. In order to guarantee the development of our independent republic, the education system must be dynamic and perfect.

Humanistic education system is a continuous process of re-understanding of personal thinking, development of new educational programs, constant exchange of ideas. Currently, in the era of computer networks, the characteristics of the creation and distribution of new technologies are changing, and this is happening in the following directions: first, in the modern global market, characterized by high competition, skills are more important than ever. Technology transfer and dissemination is a very complex process. Secondly, the development of new global norms that reflect the recognition of the value of technologies is also of great importance.

Adopted by almost all countries, new regulations are strengthening intellectual property protection regimes everywhere. Thirdly, the private sector plays a leading role in the scientific research and experimental design sector all over the world. A large part of the necessary financial resources, knowledge and personnel for the development of new technologies are concentrated in this sector. Fourthly, a global labor market providing employment for the most highly qualified technical specialists will be formed. Fifth, new



companies, R&D laboratories and financiers, and corporations are consolidating into global hubs for the production of new technologies. As a result of this, a new dynamic environment is emerging that provides the necessary interaction between scientists, financiers and entrepreneurs.

The best scientists and enterprising entrepreneurs from different countries work in such centers, which creates great opportunities for attracting investors. Investors are also looking at these things with interest.

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