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INFORMATION TECHNOLOGIES IN TERMS OF EDUCATION'S MEDIATIZATION

The influence of information technology on the educational process has increased significantly over the past few years. Education of the twenty-first century has put forward new requirements for the education system, new perspectives have opened up for teachers in educational activities. First of all, this is due to modern information and communication technologies, computer technology, various mobile devices used as a means of acquiring computer literacy, studying school subjects, acquiring knowledge and experience. The modern information and educational environment has provided educational institutions with ample opportunities, implying fundamental changes in the preparation of students who are able to work creatively and independently in the conditions of mass computerization of society. The electronic environment, along with the qualified guidance of the teachers, have become important conditions for the development of the creative potential of the students.

Today, modern information technologies can be considered a new way of transferring knowledge that corresponds to a qualitatively new content of education and development. This method allows the student to study with interest, find sources of information, fosters independence and responsibility in obtaining new knowledge, develops the discipline of intellectual activity. Information technology is an educational technology that uses special methods, software and hardware (cinema, audio and video tools, computers) to work with information. The use of new information technologies in education has two main aspects: a computer as a subject of study and a computer as a teaching tool. These aspects are closely interrelated in the learning process, since any communication with a computer assumes both.

Informatization of education has introduced a lot of tasks: first, to improve the existing education system, second, to develop the individual with the help of new technologies, third, to activate the internal potential of the individual, to promote

his/her self-improvement and self-development, and fourth, to simplify many processes and tasks that a person faces. As A. Einstein said: "Everything should be stated as simply as possible, but not simpler." These words can be said to be the slogan of the development of informatization, which simplifies many complex processes and functions. Computers contribute to the development of the creative potential of composers, artists, writers, journalists and many other professions, especially those related to the hard science.

The main ICT tool for the information environment of any education system is a personal computer, the capabilities of which are determined by the software installed on it. The main categories of software are system and application programs. In modern education systems, universal office applications and ICT tools are widely used: word processors, spreadsheets, presentation preparation programs, database management systems, organizers, graphics. With the advent of computer networks and other ICT tools similar to them, education has acquired a new quality, associated primarily with the ability to quickly receive information from anywhere in the world. The global computer network Internet provides instant access to the world's information resources (electronic libraries, databases, file storages, etc). At the moment, distance education has become widespread, providing for a complete reliance on ICT in the learning process, since only innovative methods of control and knowledge acquisition are used. Separately, it is important to highlight a whole type of training used in educational organizations of all levels, completely based on the use of ICT - distance learning. With the competent use of ICT in the learning process, a teacher can achieve significant results, solve a number of problems and speed up the process of assimilation of knowledge thanks to a combination of technologies that are improving every day. The advantages of using computer technology in education are: individualized education; intensification of independent work of students; an increase in the volume of tasks completed in the lesson; the possibility of obtaining various kinds of materials via the Internet and the use of special disks; the integration of a regular lesson with a computer allows the teacher to transfer part of his work to a PC, making the learning process more interesting, varied, and intense; increasing

cognitive activity and motivation for the assimilation of knowledge due to a variety of forms of work; the use of computer tests and diagnostic complexes in the lesson will allow the teacher in a short time to get an objective picture of the level of assimilation of the studied material by all students and to correct it in a timely manner. Therefore, it is important to take them into account when using ICT in the learning process in order to diversify and improve the learning process, but not to spoil it.

ICTs take a special place in the education process, since such an important stage in the life and development of every person cannot be imagined without the introduction of innovations. The use of ICT in the learning process is fully justified, since it allows to intensify the activities of students, makes it possible to improve the quality of education, makes it accessible to people of different statuses and from different cities, improves the professional level of the teacher, diversifies the forms of interpersonal communication of all participants in the educational process. And also, ICT tools used in modern education make it possible to achieve high results in learning. New technologies allow to ensure interaction between teacher and student in the system of open and distance learning. They provide access to a huge amount of material, make the learning process less energy-consuming and more interactive. In the context of the influence of ICT on educational processes, a type of modern teacher is formed, who must not only possess knowledge in the field of information and communication technologies, but also be able to apply them in their own professional activities.

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