



## AXBOROT TEXNOLOGIYALARINI TA'LIM JARAYONIDAGI IMKONIYATLARI

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## POSSIBILITIES OF INFORMATION TECHNOLOGIES IN THE EDUCATIONAL PROCESS

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## ВОЗМОЖНОСТИ ИНФОРМАЦИОННЫХ ТЕХНОЛОГИЙ В ОБРАЗОВАТЕЛЬНОМ ПРОЦЕССЕ

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*Annotatsiya. Ushbu maqola ta'limda axborot-kommunikatsiya texnologiyalaridan foydalanish mavzusini ochib beradi. Ta'limdagi AKT vositalari qanday vazifalarni hal qilishga qaratilgan. Axborot-kommunikatsiya texnologiyalaridan umumiy ta'limda foydalanishning asosiy yo'nalishlari.*

*Kalit so'zlar: modernizatsiya, kompetentsiya, modernizatsiya, universal forumlar, bloglar, professional veb-seminarlar.*

*Annotation. This article covers the topic of using ICT tools in General education. To solve which tasks ICT tools are used in education. Key areas of use of information and communication technologies in General education.*

*Keywords: modernization, competence, modernization, universal forums, blogs, professional webinars.*

*Аннотация. В этой статье рассматривается использование информационных и коммуникационных технологий в образовании. Какие задачи направлены на решение инструментов ИКТ в образовании. Основные направления использования информационных и коммуникационных*

*технологий в общем образовании.*

*Ключевые слова: модернизация, компетенции, модернизация, универсальные форумы, блоги, профессиональные вебинары.*

In the context of continuous modernization of education, taking into account different teaching methods and emerging modern trends, the full development of professional pedagogical skills, the use of information and communication technologies is an important direction in the development and education of intellectual society in general. . The generation of new teaching methods and technologies leads to a really important value of informatization, which helps to increase the high level of knowledge and the formation of students' creative thinking, as well as their interest in the successful study of science. Information and communication technologies, which are the key to the socio-economic growth of the state and a solid foundation for further strengthening the intellectualization of future generations, are recognized as a key mechanism for the development of education in the XXI century.

Indeed, modern society needs to recognize the need for an integral knowledgeable and creative individual who can easily master the latest technologies to obtain and analyze a variety of data. Explaining new material to students in an understandable way should be based on the principles of consistency and convenience, so teachers and educators should try to enrich the learning process and work harder than they require. This means that information and communication competence is central to the general education system, and this is due to a variety of reasons. [1]

Thus, it should be noted that today educational and communication technologies operate as modern computer equipment, as well as software that provides modern teaching technologies using software and methodology. At the same time, absolutely any teacher has a variety of opportunities to improve the learning process, using ICT as an important tool in teaching.

Textbooks and reference books, electronic dictionaries, teaching materials, innovative programs, information from the Internet, conversations, universal forums, blogs, professional webinars and teleconferences are constantly modernizing the development of education and keeping pace with the times. gives the opportunity to be. It is not enough to gain relevant knowledge on a topic, the most important thing is to convey it to your readers fully and confidently, trying to improve yourself over and over again and help others improve. With the development of the latest information technology, the teacher gets a strong hand for the opportunity of intellectual development and the formation of the child's creative worldview, as well as himself continues to grow professionally. Focusing on the need to improve the theoretical and practical knowledge of students, we note that the universal introduction of information and communication technologies (ICT) in education solves the following tasks.

- formation of positive motivation of students;
- development of information culture and computer literacy;
- increase the intensity of the pedagogical process;
- Facilitate the flow of information in terms of universal computerization;
- providing the educational process with new and constantly updated information;
- Provide information based on the individual characteristics of students.

Everyone learns in different ways, so the use of modern ICT tools in all types of education makes an important contribution to the development of the entire education system. Let's look at the main areas of ICT use:

- in the presentation of new material and information - visualization of the theory (Power Point presentation program, etc.);
- perform virtual laboratory work;
- Consolidation of material (trainings and seminars);
- control and verification of acquired knowledge (testing);
- self-study of students (development programs);
- training of different abilities of students (memory, attention, etc.).

Teaching ICT has a significant positive impact on the learning process, as they "enrich" the teaching methods and information scheme. The use of high-tech equipment and telecommunications allows teachers not only to provide students with the necessary knowledge, but also to form new approaches in modern teaching methods. We live in an age of automation, computerization and artificial intelligence, so it is necessary to train a wide range of professionals who are well versed in various technologies and methods of their management. This highlights the urgency of introducing ICT into the educational process. [2]

This sets very high standards for teachers' qualifications. Pedagogical practice includes two levels of the model of information and communication professionalism:

Level 1. Functional literacy, including:

- Professional knowledge of modern computer programs, skillful processing of digital, text, graphics, audio and video data (creation of various presentations, audio background during lessons, watching educational videos, etc.).
- Ability to work on the Internet, use its services.
- Use of multifunctional devices (multifunctional devices - scanner, printer).

Level 2. Active in achieving results:

- Introduce a variety of specialized media resources developed in accordance with the methodology of this topic.
- Improving a creative and creative approach to the learning process associated with creating your own electronic tools.

Along with ICT, e-learning tools have been actively developed. These are textbooks created using computer information technology. They are diverse and include computer simulators, game training programs, a variety of multimedia software packages, laboratory workshops, electronic libraries and textbooks, training databases, information retrieval systems, testing and monitoring programs and so on.

The need to foster a personal internal professional culture of teachers, to introduce innovative teaching methods and to increase the intellectual development of students necessitates the adherence to major trends in education. Information and communication technologies (ICT) in education is a truly important modern achievement that has enabled both teachers and students to make the learning process interesting and comprehensible. While many topics cover a very large amount of information, ICT is an aid in assimilating and analyzing the flow of knowledge that comes in this case. However, despite the many unique positive functions of ICT, it must be remembered that nothing can ever replace the value of man and his word. [3]

Today, the most important task of the educational process is the search for

new forms and tools in the transition from traditional education to innovative education, the need to increase the effectiveness of teaching, to plan and organize their activities for students. and to enable independence in control.

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