



THE IMPORTANCE OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN THE EDUCATIONAL PROCESS

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Abstract: The article discusses ICT and electronic educational resources used in providing quality education to students and young people.

Keywords: ICT, Power Point, Excel, iSpring, MyTest.

Today, information and communication technologies are widely used in the educational process. Even though information technology has entered relatively recently, no educational institution can be imagined without it. MS Power Point, MS Excel, iSpring, MyTest programs have become excellent tools for presenting new material, repeating lessons, summarizing and evaluating knowledge in pedagogical activities.

One of the main directions of informatization of education is the use of ICT in order to perfect various approaches to the development of intellectual potential in the conditions of informatization of modern society.

A modern teacher should have the basic qualities, that is, he should have acquired the knowledge and skills necessary to solve educational problems with the help of general ICT tools, that is, he should be content within the subject of education. It is necessary to master special technologies and resources developed on the basis of the requirements, and to form readiness to apply them during their activities.

Obtaining digital and other specific information related to a large volume through active communication with a computer is more effective than boringly flipping through the pages of a book. In this case, the student can model the real process with the help of educational programs, that is, see the causes and results, understand their meaning. One of the important reasons for the negative attitude towards computer studies is the lack of understanding of the cause of the problem.

Creating multimedia presentations helps both the pedagogue and the student to perform creative and scientific-research work, and the student's use of information and communication technologies in project activities forms the skills of cooperation, working in groups, develops analytical knowledge, increases and strengthens information literacy.

The presenter of multimedia presentations (teacher or student) can display additional materials on a large screen or monitor. For example, an excerpt from a feature film, pictures, illustrations, diagrams, tables, etc.

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The use of information and communication technologies in education creates the following opportunities:

- development of inquisitiveness and creativity of the learner;
- increase the motivation to study;
- formation of students' ability to work with information, development of communication skills;
- active involvement of the learner in the educational process;
- high-quality organization of supervision of the learner's activities, etc.

Application of ICT makes it possible to realize the idea of differentiation and individualization of education. Modern educational manuals developed on the basis of ICT have interactivity (the ability to communicate with the student).

Let's see the application of information and communication technologies in the educational process. Information technologies are primarily used for:

- organizing the educational process;
- preparation of training manuals;
- learning new educational materials (creating an independent presentation or using ready-made programs);
- computer control of knowledge;
- Obtaining information from the Internet and working with it;
- working with and creating a site to connect parents, teachers and students.

Effective use of computer technologies in traditional teaching methods is very important. It should be noted that the time spent on additional training in the use of information and communication technologies will definitely increase. However, a methodical base is gradually formed, which greatly facilitates further preparations.

Modern technologies and communications make it possible to change the organization of the educational process: to fully engage the learner with the information environment, to increase the quality of education, to motivate the process of receiving information and mastering knowledge. New information technologies create a computerized and telecommunication environment in various fields of activity, including in the educational system, management and organization. The integration of information technology into educational programs is carried out at all levels: school, higher education and post-higher education.

References:

1. Makhmudovich, Khasanov Khayrullo. "The Importance Of Ict Competence Of Future Teachers In Informing Education." Open Access Repository 9.11 (2023): 80-84.
2. Makhmudovich, Khasanov Khayrullo. "The Importance Of The Blended Learning System In Organizing The Educational Process." Academia Science Repository 4.5 (2023): 715-718.
3. Xasanov, Xayrullo Maxmudovich. "Microsoft Word Dasturlash Dasturlash Imkoniyatlari." Academic Research In Educational Sciences 4.Kspi Conference 1 (2023): 167-169.
4. Xasanov, Xayrullo Maxmudovich. "Bo 'Lajak O 'Qituvchining Pedagogik Faoliyatida Akt Kompetensiyasining Ahamiyati." Academic Research In Educational Sciences 4.Kspi Conference 1 (2023): 221-224.
5. Xasanov, Xayrullo Maxmudovich. "Oliy Ta'lim Talabalarini "Informatka Va Raqamli Texnologiyalar" Bilan Ishlash Kompetensiyalarini Takomillashtirish Samaradorligi." Academic Research In Educational Sciences 4.Kspi Conference 1 (2023): 217-220.
6. Maxmudovich, Xasanov Xayrullo. "'Sanoq Sistemalari Ustida Amallar Bajarish" Mavzusini O'qitishga Doir Elektron Didaktik Vositalar Yaratish Metodikasi." E Conference Zone. 2023.
7. Maxmudovich, Xasanov Xayrullo. "Ta'lim Jarayonida O 'Quv Faoliyatini Tashkil Etishda Raqamli Texnologiyalarning O 'Rni." Conferencea (2023): 31-36.
8. Maxmudovich, Xasanov Xayrullo. "Culture Of The Use Of Information Technology In The Educational System." Galaxy International Interdisciplinary Research Journal 10.12 (2022): 268-271.
9. Makhmudovich, Khasanov Khayrullo. "Building Models Of Their Functions According To Singlevalued And Multivalued Compatibility Truth Table Of Cryptographic Accelerations." Texas Journal Of Engineering And Technology 15 (2022): 72-77.
10. Sharifovich, Akhmadaliev Shakhobidin, Hasanov Xayrullo Maxmudovich, And Botirov Muzaffar Mansurovich. "Application Of Information Compression To Create New Hash Functional Algorithms Of Rectangal Matrix Introduction." Texas Journal Of Multidisciplinary Studies 9 (2022): 54-57.
11. Sharifovich A. S. Electronic Digital Signature Protocol Of An Asymmetric Encryption Algorithm Based On The Complexity Of Performing Actions About Elliptic Curve Points And Multiplication Of Matrices With a Parameter On a Final Field //Texas Journal Of Engineering And Technology. – 2022. – T. 15. – C. 107-111.

12. Akhmadaliev S. S. Electronic Digital Signature Protocol On The Basis Of Asymmetric Encryption Algorithm Based On The Difficulty Of Discrete Logarification And Multiplication Of Matrixes With A Parameter On A Final Field //Galaxy International Interdisciplinary Research Journal. – 2022. – T. 10. – №. 12. – C. 370-377.
13. Sharipovich A. S. Theoretical And Practical Principles Of Creating Learning Systems On The Moodle Lms Platform //Conferencea. – 2023. – C. 1-6.
14. Khasanov P. F., Akbarov D. E. Axmadaliev Sh. Sh. Methods For Creating New Asymmetric Algorithms Based On Existing Computational Complexities Using Parametric Algebra Operations //Infokommunikatsii: Seti-Texnologii-Resheniya.-1 (9). – 2009. – C. 31-35.