

USE OF MODERN TECHNICAL TOOLS IN TEACHING INFORMATICS AND INFORMATION TECHNOLOGIES

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Abstract:

This article is about the relevance of the issue of using modern tools in education, how modern technical tools of teaching can be used in the continuous education system.

Keywords: technical tools, continuing education, task, e-learning process, ET, computer and technical tools, supply, users.

The massive increase in the amount of information places new demands on the educational process. There is a need to use convenient tools for assimilation of information and sufficient and effective use of it in the educational process. The revolutionary changes taking place in today's technology have led to the use of computers and technical tools to ensure adequate use of information in the educational process. Today, computers and technical tools are rapidly entering the educational process, but it is natural that the level of training of their users is not yet adequate. It is necessary to take into account the proportionality of experts with reforms.

Continuous education consists of a perfect combination of various forms, methods, means, methods and directions of providing deep, all-round basic education and training of specialist personnel. The interrelationship between its various components, the rational application of certain methods and techniques to the educational environment ensures the quality of continuous education.

Today's task of the educational system is to intensively teach students (students, listeners) its content in the conditions of the information-educational environment that is increasing day by day. For this, it is necessary to use modern technical means of teaching in education.

The main tasks of the department of technical means of education:

- Improving the quality of training of graduates by introducing modern technical tools and educational technologies into the educational process. It is achieved by



equipping the classrooms with technical training, improving the material and technical base of the school.

- Increasing the level of technical training of school staff. Work with technical tools and new educational information technologies (introduction of network educational tools, computer programs in language laboratories) to the methodological manuals of school teachers. Organizing the use of modern technical training manuals in the school education process.
- Providing educational process at all levels with technical educational tools (students, teachers, school staff).
- Provide technical and methodological support to teachers and students in comprehensive and full use of computers and multimedia equipment during the educational process.
- Advising and training teachers on OTV basics and equipment maintenance.
- Consultation with professors and teachers on the use of technical training manuals in the educational process.
- Ensuring compliance with the methods and means of implementing OTV in accordance with the applicable standards and requirements.
- Rapid study and research of promising new directions in the field of new technologies, devices and equipment.
- OTV security, development and introduction of new technologies, maintenance.
- Support, introduction and development of new teaching technologies.
- Performing work in the profile of the center on the order of school departments.

The possibilities of modern telecommunications are a very wide system, which includes, in addition to the known concepts such as computer, multimedia tools, computer networks, and the Internet, as well as a number of new concepts. These can be examples of information systems, management of information systems, information transmission systems, data warehouse, data warehouse management system, knowledge warehouse, etc. Introduction of electronic education in the field of education in the 21st century information age, in every educational institution:

- teaching and learning process;
- management of the educational institution;
- requires information about the educational institution's activity environment.

The stages of creating an ET environment in an educational institution begin with the creation of a psychological information environment. The need to use modern tools and methods is formed on the basis of technological and scientific results, created software products. It is necessary to organize a system of independent and



computer education of pedagogues on the basis of individual and advisory training in each educational institution. In our country, special attention is paid to the organization of information resources in the field of education and their use in education. The introduction of IT into the educational system depends, first of all, on the intellectual potential of the society, including the informatization of the educational sector, the development of information and educational resources. Development of basic mechanisms of integration of education with science and production, its implementation, individualization of study, independent learning, development and mastering of educational system technology and tools, acceleration of student learning using ET based on new pedagogical and information technologies are among such important tasks.

It will be necessary to make certain changes to the principles of organizing the educational process based on ET, including improving the presentation of educational materials. The use of ICT in the educational process is mainly carried out in two ways. The first condition is that it is technical equipment, and the second condition is that it is provided with special software. In training, it is necessary to consciously master the topics, to explain to the students the necessary scientific and technical knowledge in practical and theoretical training, to use the tools correctly, and to be able to choose the correct processing of the product. It is clear that the competence approach given by the teacher has been developed only if he can apply the knowledge given to him in the organization of classes. Ways to develop students' creative abilities are defined. The results of scientific research allow to confirm that the activity of current schoolchildren should be classified as creative research, and for this, it is necessary to use methods that teach students to independently identify, verify and explain the phenomena of objective existence. The knowledge that is given to students in a ready state weakens their abilities. Each stage should have a clear result, this result is the perceived and accepted idea in the first stage, the development of the idea from a constructive and technological point of view in the second stage, bringing it to the possibility of implementation, the implementation of the decision in the third stage, the analysis, completion of the work and the evaluation of the solution in the fourth stage. is considered We teachers should be able to set a positive example for young people. Because if we perfectly teach young students the secrets of technology, if they can use it in life, we will achieve our goal.



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