

TEACHER'S ROLE IN USING INFORMATION TECHNOLOGIES IN EDUCATIONAL PROCESSES

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ABSTRACT

This article discusses the role of the teacher in the use of information technologies in educational processes and the need for future teachers to keep up with the times.

Keywords: computer, technology, content, presentation, demand, creative, educational approach, education, training, teaching, quality.

Currently, it is difficult to imagine existence outside the sphere of information and information technology. The increasing number of different types of information forces us to introduce new, advanced methods and tools for its processing, and modern life conditions increase more and more requirements for its storage, transmission and security. Education is an integral part of human life, and at the same time, it is a source of new knowledge in this field and the field of application of this knowledge. Today, further improvement of the quality of education, organization of students' independent use of information technologies is giving positive results. The modern world level of the development of information and communication technologies is such that the creation of a national system compatible with the integration of the infrastructures of the world information space and the national information and computing network in the republic is an important factor in the effectiveness of the national economy, management, science and education. These problems are very complex and at the same time urgent for our republic. The results of the implementation of economic, structural and other changes currently being carried out depend on how and in what time frame the problems related to informatization are solved in the republic. The creation of electronic educational tools for educational subjects further expands the possibility of using modern information and communication technologies in teaching these subjects. This, in turn, is the main factor of students' in-depth assimilation of knowledge in these subjects and increases the quality and efficiency of education. The implementation of such efforts will further accelerate the wide application of modern pedagogical and information technologies in the educational process, equip professors and teachers with advanced pedagogical knowledge and technologies, improve their skills, and use the experience of foreign higher education institutions. provides an opportunity for in-depth study and introduction of their effective methods and tools into our national education system. Multimedia is a rapidly developing modern information technology. Its distinguishing features include;

- various types of information;
- integrates traditional (text, tables, decorations, etc.), original (speech, music, clips from video films, TV footage, animation, etc.) types in one software product. Such integration includes various devices for registering and displaying information;
- work at a certain time, unlike text and graphics, which are static by their nature, audio and video signals are considered only in a certain period of time. The speed of the central processor for processing and displaying video and audio information on the computer, the bandwidth of

the data transmission bus, the operating and video memory, large-capacity external memory, the size and the speed of exchange of computer input-output channels by approximately two times it is required to multiply;

- a new level of "human-computer" interactive communication, in which the user receives more extensive and comprehensive information during the communication process, which makes it possible to improve the conditions of education, work or recreation.

- teaching students and retraining staff on the basis of multimedia tools is an urgent issue today. The concept of multimedia entered our lives in the early 90s. What did he ask himself? Many experts analyze this term in different ways. In our opinion, multimedia is an embodied form of delivering educational materials to students based on audio, video text, graphic and animation effects based on software and technical tools of informatics. Informatics and information technologies, as a fundamental science, deals with the development of a methodology for establishing management processes with information on the basis of computer information systems. There is also an opinion that one of the main tasks of science is to determine what information systems are, what place they occupy, what structure they should have, how they work, and what laws are characteristic of them. The emergence of the multimedia system has led to revolutionary changes in several professional fields such as education, science, art, computer training, advertising, technology, medicine, mathematics, business, and scientific research. Although the idea of using computers in the educational system appeared much earlier, the use of information technology in all areas of the educational system became more complete after the advent of computers equipped with multimedia devices. was put into practice.

The use of multimedia tools in education provides the following opportunities:

✓ ensure the humanization of education;

✓ increase the efficiency of the educational process;

✓ development of the learner's personal qualities (assimilation, thirst for knowledge, independent education, self-education, ability to improve oneself, creative abilities, applying acquired knowledge in practice ability, interest in learning, attitude to work);

✓ development of the learner's communicative and social skills;

✓ with the help of computer tools and information electronic educational resources, the possibilities of individualization and differentiation of open and distance education will be significantly expanded due to the separate (individual) education of each person;

✓ looking at the learner as an active learning subject, recognizing his value;

✓ taking into account the personal experience and individual characteristics of the learner;

✓ conducting independent educational activities, in which the learner studies and develops independently;

✓ formation of skills in the use of modern educational technologies that help students to adapt to the current rapidly changing social conditions in order to successfully perform their professional tasks. The process of self-directed education with the help of multimedia tools requires the development and use of modern, multi-disciplinary, subject-oriented multimedia educational tools.

Interactivity allows you to control the presentation of information to a certain extent: learners can individually change the settings defined in the program, study the results, respond to the program's request about a specific desire of the user, set the speed of presentation of materials and the number of repetitions. possible But it is important to consider a number of aspects when using multimedia. Educational materials presented in multimedia should be easy to understand, presented through modern information and convenient tools. In order to fully reveal all the possibilities of multimedia technologies and use them effectively, students need the support of a potential (competent) teacher. As with the use of textbooks, in the use of multimedia tools, the educational strategy is enriched with content only when the teacher is engaged not only in providing information, but also in helping, supporting and guiding the learning process. possible Usually, presentations enriched with beautiful images or animations are more attractive than plain text and can complement the material being presented and provide the necessary emotional level. Multimedia tools can be used in harmony with different educational directions (styles) and can be used by people with different mental and age characteristics of learning and receiving knowledge: some learners directly o and some like to learn and acquire knowledge by hearing and others by watching (video films). Interactive multimedia technologies provide non-traditional comfort to the learner with academic needs. In particular, it ensures the growth of phonological skills and reading skills of students with hearing impairment, as well as their visual acquisition of information. For those with speech and physical disabilities, it allows them to use the tools based on their individual needs. Multimedia tools are effective and promising tools (instruments) of education, which provide the teacher with a large-scale array of information, rather than a traditional source of information; using not only text, graphics, schemes, but also sound, animations, video, etc. in a visual and harmonious manner; creates an opportunity to select types of information in a sequence in accordance with the level of reception (perception) and logical learning of learners.

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