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TRANSITION OF USING OF THE INFORMATION AND COMMUNICATION TECHNOLOGIES - TIME REQUIRED

The article deals with the problems of introduction of information and communication technologies in the educational process of secondary education institutions, defines the state of the studied subject and prospects of introduction of the latest educational technologies. The importance of introduction of educational innovative and information technologies is clarified.

Key words: newest technologies, secondary education, traditional education, teaching aids.

У статті розглянуто проблеми запровадження інформаційно-комунікаційних технологій в освітній процес закладів середньої освіти, визначено стан досліджуваної тематики та перспективи запровадження новітніх освітніх технологій. З`ясовано значення запровадження освітніх інноваційних та інформаційних технологій.

Ключові слова: новітні технології, середня освіта, традиційна освіта, засоби навчання.

Innovation is the result of an innovation process that is defined as an innovation process that is related to its production, reproduction and implementation. Although many researchers do not refer to "innovative" processes for the development, use and dissemination of educational innovations, limited to defining only activities to create a new, from a practical point of view, the concept of "educational innovation" must be considered systemic. Innovative processes in the field of education should be the processes of searching for innovative ideas, creation of innovative products in pedagogical science and in the education system, their

perception by the social and pedagogical community [1, p.255]. Introduction of educational innovative and information technologies is one of the priority directions of the state policy on development of educational environment of Ukraine.

Traditional education as a system of knowledge acquisition is lagging behind the real needs of society. Today, we need education that is constantly updated with knowledge, technology, learning tools, organizational and management approaches. The essence of innovative education can be conveyed with the words: "not to catch up with the past, but to create the future" [2].

The development of forms of innovative education is part of the overall process of using information and communication technologies.

Any information process requires the teacher to possess information resources and communication technologies. To properly own the latest technologies, you need to build the right system for their use.

Innovative education aimed at the use of information and communication technologies is a model of education that requires maximum development of creative abilities and creation of strong motivation for self-development in teachers and students.

Introduction in the educational process of information technologies allows to implement the principles of differentiated approach to learning, to use distance learning. Possession of information technologies is along with such qualities of the student as ability to read and write. According to V. Bykov, in educational activities in educational institutions the problems of informatization should be given priority [3].

The development of the information society involves the use of information and communication technologies in education. Among the main factors in this process are:

• The introduction of information and communication technologies into education accelerates and improves the process of transferring knowledge and experience from generation to generation;

• New technologies, enhancing the quality of learning, enable the learner to adapt more quickly to the environment, to changes in society;

• Active introduction of information and communication technologies into education is an important factor in creating an updated education system.

The effectiveness of the introduction of information and communication technologies depends on the knowledge and skills of the teacher, who must be able not only to use technology in the educational processes and to develop educational and methodical materials, to create favorable conditions for effective use.

The pedagogical employee must meet the criteria of the new information personality: to have information technologies, to apply them effectively in their professional activity.

The achievements of the last decade in the field of creation of new pedagogical technologies in education using the means of information and communication technologies will allow to predict the implementation of new types of informational interaction between students and teachers [4].

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