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INNOVATIVE INFORMATION TECHNOLOGIES AND NEW METHODS AND TOOLS FOR THEIR APPLICATION IN TODAY'S EDUCATION

Abstract:the article highlights the advantages of using modern information technologies in classes of general education schools. Information about the role of information technology in conducting modern education is given.

Keywords: information technology, education, presentation, multimedia, video.

Abstract: v state vydeleny preimushchestva ispolzovaniya sovremennyx informatsionnyx tekhnologii na urokax obshcheobrazovatelnoy shkoly. Dana informatsiya o roli informatsionnykh tekhnologiy v provetenii sovremennogo obrazovaniya.

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Abstract: the article highlights the advantages of using modern information technologies in the lessons of a general education school. The information about the role of information technologies in modern education is given.

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Enter.Today, as Uzbekistan is consistently moving towards building a democratic legal state and a just civil society, fundamental reforms are being implemented in the personnel training system. In the social policy of the state, individual interest and priority of education are decided. The need to provide the educational process with advanced pedagogical and information technologies is one of the conditions for the implementation of the National Personnel Training Program.

As we all know, information is a collection of information about a person, object, evidence, event, event, and process, regardless of the form of presentation. Information technology is the total methods, devices, methods and processes used to collect, store, search, process and distribute information.

The main part. In the educational process, issues of information technologies and their application, innovative changes and approaches, the introduction of any innovation into the system, directly through updating and changing the teacher's activity, are of urgent importance. This activity is continuous work on the basis of news, which is formed and improved over a long period of time. Collection, storage, processing and distribution of information by the teacher contributes to the development of education by introducing innovations into pedagogical activity, has a positive effect on pedagogical activity. In improving the effectiveness of the educational process, information technologies play an important role in independent works such as booklets, informational bulletins, presentations, sample summaries, schemes, graphics and tables. Pupils were given ample opportunities for free creativity and independent work. Presentations prepared on the basis of Internet resources, Power Point, Word computer programs, and programs with informational information are important tools for covering the topic. In such a process, interrelationships between concepts and events are established, personal knowledge of students increases, they actively accept ready-made facts, concepts, and explanations in the situation of independent solving of problematic issues.

Videos also play an important role in creating knowledge in the teaching process. Viewing videos autonomously or optional does not give any results. Selected videos should be relevant to the topic and focus on specific goals.

The duration of videos should not exceed 5-7 minutes. According to the theorists of pedagogical technology, it is possible to put the didactic process, that is, technologies into practice, on the basis of clearly defining the didactic issues (didactic purpose, content, and student's mastery) on the topics. Accordingly, the didactic process will consist of the following components:

At the "Understanding" stage, the essence of acquired knowledge is clarified and understood.

At the "Application" stage, the acquired theoretical knowledge and the theoretical aspects of various forms of practical application are mastered (the student knows how to apply the acquired knowledge in practice, but this does not mean that he can apply it).

At the "Analysis" stage, the student has the potential to analyze the acquired knowledge.

At the "synthesis" stage, the student connects the acquired knowledge to each other and can identify common connections.

The "Evaluation" level is considered the highest level, and at this level, the student acquires the skills to express his opinion and evaluate certain concepts, arguments and principles based on the knowledge he has acquired.

The implementation of this process in a sequence creates conditions for the formation of skills and competences in the subject, not only for the student to acquire knowledge. The last component of the didactic process is management of educational activities. In the lesson, the necessary information is transmitted directly from the teacher to the students using communication.

SummaryBased on the requirements of the present time, in the training of highly qualified personnel, implementation of teaching on the basis of pedagogical and information technologies plays an important role in increasing the quality and efficiency of education. They plan and implement the educational process that guarantees the achievement of the set goals. Provides emotional impact to students through visual materials. After all, 80 percent of the successful course depends on the correct design, organization and implementation of the educational process.

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