



Improving the Teaching Methodology of Information and Information Technologies Using Mobile Educational Technologies

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ABSTRACT

In modern society, innovation technologies expand to almost every field of human activity, including such wide field as education. Due to integrating innovation technologies into the educational process practice, this phenomenon gained special significance within improvement and modernization of the established educational system. Currently, the problem of active integration and wide application of innovation technologies in education is highly significant. Present study explores innovation technologies of learning in the modern education.

Keywords:

Informatics, Information technology, teaching methodology, cluster method, technology..

In the current era, scientists use innovative educational technologies as an effective method and to systematize on the basis of tools and reveal their essence are achieving Especially rapid development of information and communication technologies to form an information-educational environment and organize innovative classes opens up possibilities. A modern teacher to work in the conditions of informing the society the following informational and communicative capacities that determine readiness are important is: modern tools and methods of informatics for professional tasks ability to perform using information and communication technologies; regarding the use of information and communication technologies in professional activities personal qualities that have been formed, reflecting the level of preparation; situation from information and communication technologies in correct assessment and pedagogical activity subject-specific knowledge that can make effective decisions using is to be able to organize.

Most powerful goal is to determine which methods of teaching computer science and information technologies are effective. Each model is unique and represents different

learning methods. According to the recommendations given, the methods that can be used in the teaching and learning of computer science and information technology may differ. Undoubtedly, a teacher of a general secondary school cannot work with each student individually. This factor definitely depends on time distribution. That is why the teacher's work in the classroom with groups of students gives effective results. The assignments given by the teacher serve to form not only the intellectual potential of the students in the groups, but also the ability to express their opinion in the team. The use of the cluster method in the teaching of informatics and information technologies causes students of the general secondary school to think creatively and work on new ideas. We conduct lessons using other methods to assess the knowledge of schoolchildren. Our goal is to determine which methods of teaching computer science and information technologies are effective. The opinions of general secondary school students are analyzed. Recommendations are given on the methods that can be used in the lessons conducted in the field of informatics and information technologies.

Innovations in the field of informatics and information communication technologies are one of the main directions of innovative development of education in Uzbekistan and around the world. The educational process should be organized in such a way that the student should participate in the lesson actively, with interest and enthusiasm, and see the results of his work. Only then can the student appreciate the lesson being conducted. In schools, classes are mainly conducted using the traditional form of education, and traditional education is dominated by teachers. Teachers rarely use information technology tools in teaching and management, they use computers only for conducting open lessons and recording basic teaching statistics. In schools, it is appropriate to use information technologies not only in open classes, but also in all types of lessons. Informatics and information technology classes can be conducted using various innovative methods. In this case, it is appropriate to use methods based on the essence of the training topic.

Teaching modern informatics and information technologies has its own didactic possibilities and advantages. Playing an important role in the formation of the new educational system of teaching modern informatics and information technologies, the purpose and content of pedagogical technologies, it allows to increase the effectiveness and quality of the educational process in its most diverse aspects. Innovation in education manifests itself as a creative search for new ideas and principles, which turns them into typical projects that include conditions for their adaptation and application in particular cases. In conducting the research, we used the following types of methods: theoretical (analysis, synthesis, classification, generalization, deduction, induction, analogy and modeling); empirical (observation, survey, questionnaire and interview); experimental (identification, development and diagnostic experiment); statistical (statistical analysis of data, qualitative and quantitative analysis of research results).

New technical tools for teaching computer science, including computers and

other interdisciplinary in today's era of rapid penetration of information technologies it is urgent to use the achievements of computer science in order to ensure integrity is one of the issues. Implementation of computer technology in educational institutions, opens a wide way to optimize the teaching process. In the next decade The use of computers in the teaching of mathematics is in several main directions was carried out. These include computer-assisted knowledge assessment, various types of tutoring development of programs, development of cognitive mathematical games exit etc. Another direction is the convenience of computers in teaching informatics is to model learning situations. Use modeling programs the purpose of which is to imagine when other methods of teaching are used is to ensure that difficult materials are comprehensible. Modeling with the help of information to students in graphic mode in the form of computer multimedia can be provided. Therefore, they are a deep study and study of mathematics tend to show considerable independence in the process.

In general, the science of informatics and information technologies has formed in the 21st century not only as an important science in scientific activity, but also as an indispensable element in every process of our daily life. As a guarantee of the consistency of this science, it can be said as an example that today's information technology age, our daily environment is rich with its elements, and our every step is connected with techniques.

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