



ORGANIZATION OF METHODOLOGICAL WORK OF MATHEMATICS EDUCATION BASED ON INNOVATE TECHNOLOGIES

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Abstract

This article presents scientific opinions about the importance of innovative technologies in mathematics and reveals its role in improving the methodological work of mathematics education.

Keywords: mathematics, science, technical means, logic, type, gender, computer, innovative technology.

Mathematics is the basis of knowledge of the universe, and it is important for the development of production, science and technology, revealing the specific laws of events and phenomena. Therefore, mathematical culture is a component of universal human culture. Abandoning the theoretical approach to teaching mathematics, achieving the formation and development of the student's ability to apply mathematical knowledge in daily life, increasing attention to the manifestation and activation of students' independent thinking skills is the demand of the times. Mathematical education Competency approach to mathematics implies the formation and development of practical skills that allow students to act effectively in situations encountered in professional, personal and everyday life, as well as strengthening the practical, applied directions of mathematical education. The integration of our country into the world community, the development of science and technology and technologies require the young generation to be competitive in the changing global labor market, to master the sciences perfectly. This is ensured by the introduction of standards based on advanced national and international experiences into the





education system, including the teaching of mathematics. Taking into account the incomparable role of mathematics in our lives, this subject is included in school textbooks from the first grade. In our country, along with all specific subjects, great attention is being paid to improving mathematics education based on the requirements of the times, introducing the latest pedagogical and innovative methods, multimedia tools, and information and communication technologies. rather than imparting knowledge, the importance of connecting with life, solving practical examples and problems, involving students in independent research and learning is incomparable. During the course of the lesson, the student should not feel as if he is forced to be pinned to the desk, but on the contrary, it should be achieved that he participates in the activities with great enthusiasm and strong desire. It is important for him to deeply understand that mathematical knowledge will benefit the student not only in questions and exams to get a grade, but also at home, in the work process, in sports and art, in business, in business - in every moment of life. For this, it is necessary for the teacher of this subject to directly connect the subjects he is teaching with real life and to teach him how to solve an example or a problem, using simple situations in life. New technical tools for teaching mathematics, including computers and other In the current era of rapidly advancing information technologies, using the achievements of computer science in order to ensure interdisciplinary coherence is one of the most urgent issues. implementation of the process, it is expressed in the integrated system, which consists in evaluating the quality of educational results. Application of computer techniques to educational institutions opens a wide way to optimize the teaching process. In the following decade, the use of computers in the teaching of mathematics was carried out in several main directions. [4] These include computer-aided knowledge assessment, development and development of various types of educational programs, development of mathematical games related to knowledge, etc. Another direction of the use of computers in teaching mathematics is the modeling of certain learning situations. The purpose of using modeling programs is to make the material that is difficult to imagine and visualize when using other teaching methods understandable. With the help of modeling, information can be presented to students in the form of computer multimedia in graphical mode. Therefore, they tend to study mathematics in depth and show a significant degree of independence in the educational process. knowledge of an algorithmic language and programming is required. For this purpose, in the 90s of the 20th century, mathematical systems were created that were more convenient for mathematicians. With the help of these special systems, it is possible to perform various quantitative and analytical mathematical calculations, starting from simple arithmetic





calculations, to solving partial differential equations, as well as making graphs. The methodology of using modern information technologies in teaching mathematics. One of the urgent issues is the use of the achievements of computer science in order to ensure interdisciplinary coherence in the present era, when new technical tools, including computers and other information technologies, are rapidly entering the teaching of mathematics. Implementation of computer technologies in educational institutions opens a wide way to optimize the teaching process. In the following decade, the use of computers in the teaching of mathematics was carried out in several main directions. These include assessment of knowledge with the help of computers, development and development of various types of educational programs, development of mathematical games related to knowledge, etc. Another direction of the use of computers in teaching mathematics is the modeling of certain learning situations. The purpose of using modeling programs is to make the material that is difficult to imagine, visualize when other teaching methods are used, understandable. With the help of modeling, information can be presented to students in the form of computer multimedia in graphical mode. Therefore, they tend to study mathematics in depth and show a significant degree of independence in the educational process. knowledge of an algorithmic language and programming is required. [2] For this purpose, in the 90s of the 20th century, mathematical systems were created that were more convenient for mathematicians. With the help of these special systems, it is possible to perform various numerical and analytical mathematical calculations, from simple arithmetic calculations to solving partial differential equations, as well as making graphs. printing, postal communication, telegraph, telephone, radio, glass world and the management of other aspects of production are all easily solved with the help of computer technology. It is that the methods of storing, processing and transmitting all the text, drawings, paces, and sounds in the form of information in the EHM without being stored outside the EHM have been developed.[3]

Conclusion:

In computer technology, the possibilities of making texts, images, sounds, forms and other similar works are solved very easily and quickly with the help of special programming. Therefore, the use of computer technology in teaching mathematics, physics, chemistry, biology and other subjects brings positive results.





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