INFORMATION IN TEACHING MATHEMATICS USE OF TECHNOLOGIES

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Abstract: Information technology, data management and processing technologies. Computer technology is usually understood under this term. Various information in the field of information technology through EHM and computer networks carrying out activities such as collection, storage, protection, processing, transfer Applying students' theoretical knowledge in practice, their modern pedagogy and information-communication in developing worldview the importance of technologies is incomparable. Because the human brain only hears. He remembers more things by seeing and hearing than by understanding can place.

Keywords: Information technology, mathematics, mathematical knowledge, independent reasoning, geometric problems, differential equations.

The science of mathematics is aimed at developing human intelligence and attention it plays a major role in training determination and will to achieve the goal, in ensuring algorithmic order and discipline, and in expanding one's thinking. Mathematics is the basis of knowledge of the universe, and is characteristic of the surrounding events and phenomena revealing the laws of production, science and technology important in development. That's why math culture is a component of universal human culture.

Abandoning the theoretical approach to teaching mathematics, the student's ability to apply mathematical knowledge in everyday life achieve the formation and development of students' independent thinking increasing attention to the manifestation and activation of skills – period requirement. Competency approach to mathematical education in students, professional, personal and that allows you to act effectively in situations encountered in everyday life formation and development of practical skills and mathematical education refers to the strengthening of practical, applied directions. The world of our country integration into the community, the development of science and technology and technology generation to be competitive in the changing world labor market, sciences requires

perfect mastery. And this is the educational system, including mathematics by introducing standards based on advanced national and international practices into teaching is provided.

Considering the incomparable role of mathematics in our life this subject is included in school textbooks from the first grade, and all of them in our country to improve the education of mathematics along with specific sciences based on the requirements of the time, the latest pedagogical and innovative methods, multimedia tools in teaching it and great attention to the introduction of information and communication technologies is focused on. In particular, the study subject is more life than giving academic knowledge connecting with, solving practical examples and problems, independent research of students, The importance of engagement in learning is immeasurable. During the lesson, the student himself it doesn't feel like you're forced to a desk, but instead, it's great in training participation should be achieved with passion, strong desire.

Mathematical knowledge is not only in quizzes or exams to get grades, but also at home, at work, in sports and in dealing with art, trade, trade - in every moment of life it is important that he deeply understands that it will benefit the student. This science is for that The teacher directly connects the topics he is passing with life, giving an example or the problem is to learn to solve tasks using simple situations in life necessary. New technical tools for teaching mathematics, 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 coherence one of the issues.

Pedagogical, computer and information technology educational process organization, preparation, provision of scientific and methodical materials, educational process implementation, in a holistic system that consists in evaluating the quality of educational outcomes finds its expression. Constantly from information and communication technologies use of students' ability to remember, memory and speech helps to develop. The science of mathematics is from the student according to his weight requires both memorization and logical thinking. Teaching mathematics the use of information and communication technologies has a number of advantages:

Saves time. Makes the lesson interesting.

Demonstration is achieved during the lesson. In the teacher's preparation before the lesson and even during the lesson also allows to have a lot of information. To strengthen the learned knowledge, to be able to apply them in

practice helps to form skills and qualifications. Facilitation in the organization of supervision - trial lessons and practical lessons will give.

Develops students' ability to guess. The use of information and communication technologies, especially in mastering the science of geometry, which is considered a branch of mathematics can be a close assistant for both the teacher and the student. Because in order to get the correct answer to the problem when solving geometric problems A correct drawing drawn according to the correct understanding and content is an important basis serves.

If the student can imagine a drawing that matches the conditions of the problem if multimedia tools are used for what it is about if it is shown on the basis of moving drawings, the student will understand the condition of the issue will be further supported. A new technique for teaching mathematics Rapid penetration of tools, including computers and other information technologies computer science in order to ensure interdisciplinary in the future use of achievements is one of the urgent issues.

Pedagogical, computer and organization, training, scientific-methodical process of information technology education provision of materials, implementation of the educational process, educational results It is expressed in a holistic system of quality assessment. Computer to apply techniques to educational institutions, to optimize the teaching process opens a wide path. Teaching mathematics in the next decade the use of computers was carried out in several main directions. To these assessment of knowledge with the help of computer, development of various types of educational programs output and development, development of mathematical games related to knowledge and include others.

Another direction is the convenience of computers in teaching mathematics modeling of some learning situations. From the modeled programs purpose of use, imagining when other methods of teaching are used, from ensuring that difficult-to-visualize materials are comprehensible consists of With the help of modeling, information is presented to students in a graphic mode can be presented in the form of computer multimedia. That's why they are in-depth study of mathematics and considerable independence in the educational process tend to show. A mathematician who arises in many situations he is a professional mathematician to solve the problem quickly and with the given accuracy along with his profession, it is required to know a certain algorithmic language and programming.

For this purpose, in the 90s of the 20th century, mathematicians had many facilities mathematical systems were created. It is different number using special

systems and analytical mathematical calculations, from simple arithmetic calculations to special ones In addition to solving derivative differential equations, you can also make graphs can be done. Today, it is implemented in the education system on a large scale reforms, created conditions are thorough at the level of global demands of all of us to get knowledge, to work more on ourselves and to give thorough knowledge to students serves as the main foundation.

But information and communication inability to use technologies, in particular, the Internet causing the impact of foreign elements on the minds of our students. that is why and we pedagogues use information and communication technologies in every lesson, effective use of multimedia tools, students' interest in science to raise, in the minds of young students, love for the Motherland, for its holy land we need to inculcate the virtues of loyalty and gratitude. According to experts, analytical and logical thinking of a student who has mastered mathematics well ability will be high. He is not only in examples and solving problems, but in life make quick decisions, discuss and negotiate in different situations develops the ability to go, to do things step by step.

Also Mathematician's thinking is about future activities and happenings around him leads to the level of predicting the happenings. Mathematics in developing a person's intelligence and attention, achieving the intended goal in educating determination and will, ensuring algorithmic order and discipline, is important in expanding his thinking. Know the world of mathematics as a basis, revealing the unique laws of surrounding events and phenomena is important in the development of production, science and technology is important. Therefore, mathematical culture is universal human culture is a component. To teach mathematics subject to theory giving up the approach, mathematical knowledge in the student's daily life to achieve the formation and development of students' ability to implement attention to the manifestation and activation of independent thinking skills strengthening is the demand of the times.

Information technology in education of the support system in the educational system helps to increase efficiency. This puts the burden of teachers on the leaders of educational processes during the period of rapid development. To the students The knowledge provided should have a fundamental basis and analyze any information should be able to do and have the ability to create a logical network.

Students are modern in acquiring such intellectual knowledge distance from technology leads to loss of quality in the education system inevitable. Modern technical development for meaningful organization of all processes output can be

used effectively. In this process of communication, technology, information, in computer, multimedia, Internet and similar information technologies is to make changes. Conclusion: At this point, the above techniques are mastered by the reader increase the level, the level of understanding of the given knowledge, memory retention and it also provides opportunities to improve application.

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