

MATHEMATICS IN HIGH SCHOOLS ADVANCED PEDAGOGICAL
TECHNOLOGIES IN TEACHING USAGE

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Abstract: *Solving a mathematical problem quickly and with a given accuracy for a professional mathematician known at the same time as his profession knowledge of algorithmic language programming is required. This article is high from advanced pedagogical technologies in teaching mathematics in classes content of use.*

Key words: *focus development, goal achievement, math modeling, formation of thinking, expansion of thinking, thoroughness, rationality.*

We all know that the science of mathematics increases a person's intelligence develops attention, determination and will to achieve the goal educates, ensures algorithmic discipline and most importantly, his thinking expands. Our first president is Islam Karimov as they emphasized in their speech, "Deep analysis, logic unsubstantiated thought leads people astray. It was only the result of discussion and analysis only conclusions can guide us." So, modern man able to make independent decisions, able to work in a team, initiative, able to adapt to news, hardy and resistant to nervous situations, this should be able to get out of situations. Is everyone like that? based on the use of the competence approach in mathematics education can be achieved. In the 21st century, not only mathematics, information in all subjects the role of technology is incomparable. So computer education The use of technologies for online and traditional teaching change the whole process, implement a personalized education model increase, strengthen online classes, self-training of students to improve, thereby self-education of high school students allows to prepare.

Mathematical problems that arise in many cases are quickly solved a professional mathematician with his profession to solve with the given accuracy it is required to know a certain algorithmic language and programming. That's it in the 90s of the XX century, it has many conveniences for mathematicians mathematical systems were created. It is different using special systems numerical and analytical mathematical calculations, from simple arithmetic calculations except for solving partial differential equations from to graphing can also be done. Expression of information and The need for communication is in speech, writing, visual arts, printing, telegraphy, telephone, radio, window of the world, postal communication and production All other aspects of management are computerized is easily solved. There is another direction of the convenience of computers in teaching mathematics modeling of learning situations. Use modeling programs the goal is to imagine when other methods of teaching are used is to ensure that difficult-to-present materials are comprehensible.

In computer technology, texts, images, sounds, shapes and the possibilities of doing other similar work are special programming is solved very easily and quickly. that is why Other subjects including mathematics, algebra, geometry and physics the use of computer technology in teaching brings positive results is coming.

The advantages of computer-based teaching are many: - students know the time of formation of skills is reduced and students' educational activities motivation increases, the number of practice tasks increases and the speed of students' work accelerates; - the computer is active as a result of being required to manage, the student becomes an educational subject;- processes that are difficult for students to observe and observe the possibility of modeling and direct demonstration is created;- remote resources of the lesson using communication tools it is possible to provide with; It is given using an electronic table solving problems based on the algorithm, different according to the values in the table forms can be made and printed.

Numeric values using Excel's autocomplete feature and text elements can be easily inserted. This is an opportunity especially helpful in tabulating function values.

It is often fundamental in creating test programs for mathematics general knowledge in support and solving non-standard problems it is desirable to determine and determine the level.

In conclusion, from computers in teaching mathematics Today, it is used in several main directions the need to use advanced pedagogical technologies in all fields is a sign of increasing. Computer-assisted knowledge assessment, development and development of different types of educational programs, related to knowledge It is an exaggeration to say that the development of mathematical games is important it won't happen.

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