

## MATEMATIKA FANINI O'QITISHDA KOMPYUTER TEXNOLOGIYALARIDAN FOYDALANISHNING AHAMIYATI

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**ANNOTATSIYA:** Maqolada matematika fanini o'qitishda kompyuter texnologiyalardan foylanishning ahamiyati haqida bayon qilinadi.

**KALIT SO'ZLAR:** matematika, fan-texnika, kompyuter texnologiyalari, kompetensiyaviy yondashuv, amaliy ko'nikma

## ВАЖНОСТЬ ИСПОЛЬЗОВАНИЯ КОМПЬЮТЕРНЫХ ТЕХНОЛОГИЙ В ПРЕПОДАВАНИИ МАТЕМАТИКИ

**АННОТАЦИЯ:** В статье объясняется важность использования компьютерных технологий в обучении математике.

**КЛЮЧЕВЫЕ СЛОВА:** математика, наука и технологии, компьютерные технологии, компетентностный подход, практические навыки.

## THE IMPORTANCE OF USING COMPUTER TECHNOLOGY IN TEACHING MATHEMATICS

**ABSTRACT:** The article discusses the importance of using computer technology in teaching mathematics.

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# BUILDERS OF THE FUTURE

**KEYWORDS:** mathematics, science and technology, computer technology, competency approach, practical skills.

**INTRODUCTION:** Mathematics plays an important role in the development of human intellect, attention, determination and will to achieve the desired goal, to ensure algorithmic discipline and to expand thinking. Mathematics is the basis of knowledge of the universe and plays an important role in the development of production, science and technology, as well as in the discovery of the specific laws of events and phenomena around us. Therefore, mathematical culture is an integral part of universal culture. It is time to abandon the theoretical approach to teaching mathematics, to form and develop the ability of students to apply mathematical knowledge in everyday life, to focus on the demonstration and activation of independent thinking skills of students. A competency-based approach to mathematics education involves the formation and development of practical skills that enable students to act effectively in situations encountered in professional, personal and daily life, as well as the strengthening of practical, applied areas of mathematics education.

## THE MAIN FINDINGS AND RESULTS

The integration of our country into the world community, the development of science and technology require the younger generation to be competitive in the changing world labor market, to master the sciences. This will be ensured through the introduction of standards in the education system, including the teaching of mathematics, based on best national and international practices. Taking into account the unique role of mathematics in our lives, this subject has been included in school textbooks since the first grade and great attention is paid to the introduction of information and communication technologies. In particular, it is important to connect the subject of study with life, rather than academic knowledge, to solve practical examples and problems, to engage students in independent research and study. During the lesson, the student should not feel forced to sit on the desk, but should participate in the lessons with great enthusiasm and desire.

It is important that he understands that mathematical knowledge is useful not only in questions and answers or exams, but also at home, in the workplace, in sports and the arts, in trade, in the arts -

in every moment of life. To do this, the teacher must be able to relate the topics directly to real life, to teach an example or a problem, to solve problems using simple situations in life.

In the current era of new technical means of teaching mathematics, including computer and other information technologies, the use of the achievements of computer science in order to ensure interdisciplinary integration is one of the most pressing issues. Pedagogical, computer and information technologies are reflected in an integrated system of organization, preparation, provision of scientific and methodological materials, implementation of the educational process, assessments of the quality of educational outcomes.

A competency-based approach to mathematics education involves the formation and development of practical skills that enable students to act effectively in situations encountered in professional, personal and daily life, as well as the strengthening of practical, applied areas of mathematics education. The integration of our country into the world community, the development of science and technology require the younger generation to be competitive in the changing world labor market, to master the sciences. This will be ensured through the introduction of standards in the education system, including the teaching of mathematics, based on best national and international practices.

Taking into account the unique role of mathematics in our lives, this subject has been included in school textbooks since the first grade. Much attention is paid to the introduction of information and communication technologies.

It is important that he understands that mathematical knowledge is useful not only in questions and answers or exams, but also at home, in the workplace, in sports and the arts, in trade, in the arts - in every moment of life. To do this, the teacher must be able to relate the topics directly to real life, to teach an example or a problem, to solve problems using simple situations in life.

### CONCLUSION

In conclusion, in the current era of new technical means of teaching mathematics, including computer and other information technologies, the use of the achievements of computer science in order to ensure interdisciplinary integration is one of the most pressing issues. Pedagogical, computer and information technologies are reflected in an integrated system of organization, preparation,

provision of scientific and methodological materials, implementation of the educational process, assessments of the quality of educational outcomes.

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