

GENERAL CONCEPT OF MATHEMATICS TEACHING TECHNOLOGY

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ABSTRACT: - This article discusses concept of mathematics teaching technology. Mathematical education in elementary grades is aimed at forming students' logical thinking, being able to express their ideas independently, and forming the skills of applying knowledge to the activity process. The organization of the educational process, its effectiveness and quality management depend on the level of knowledge, professional skills of the teachers working in the continuous education system, and the ability to scientifically analyze and observe the unique characteristics of the educational process.

KEYWORDS: Concept of mathematics, teaching technology, mathematical education, elementary grades, logical thinking, professional skills, quality management, education system.

INTRODUCTION

In the documents on the reform of the education sector in Uzbekistan, the main goal is to train competent and mature competitive personnel.

The changes taking place in the socio-political sphere, economic and spiritual life of our republic, achievements in science and technology, are among the effective results in the field of education. Educational programs created by pedagogues are aimed at educating mature individuals in all aspects. Regular updating and continuous enrichment of educational goals is a priority direction that serves as a basis for choosing new models of educational content.

THE MAIN FINDING AND RESULTS

Today, the needs of the individual, society, science and technology, and production are closely connected in the content of education. Accordingly, education, science and technology, technology, and production should form a single system. This is the main goal of the educational reforms implemented in Uzbekistan.

The main directions of fundamental reforms in the field of education:

- Reforming the educational system and content;
- Reforming education management;
- Creating a mechanism of education based on the market economy;
- Formation of new views of parents, teachers, students on the educational process;

The main driving force of these reforms is the implementation of new pedagogical technology.

A new model of education was created to implement educational reforms and achieve the intended goals.

Based on the Law “On Education” of the Republic of Uzbekistan, educational programs and state educational standards were introduced for various areas.

Education programs and state education standards provide for strict integration between higher education institutions and general education schools.

In general, we can express the minimum requirements for elementary school students in the subject of mathematics based on the State Education Standard as follows:

– A) Regarding numbers and calculations:

- Number and count;
- Natural numbers and zero;
- Amount of items;
- Comparison of numbers;
- Quantities, their measurement and comparison;
- Arithmetic examples and their implementation rules;
- Relationship between quantities;
- Numerical and literal expressions;
- Procedure for performing actions in fractions, brackets, numerical expressions;
- Numerical equalities and inequalities;

– B) Regarding geometric figures;

- Geometric measurements;
- Concepts of point, section, cuboid, circle, circle, length, height;
- Describe geometric figures using a circle and a ruler;
- Mutual arrangement of figures;
- Properties of figures;

– mathematical relationships such as “big”, “small”, “.. times more”, “.. times less”;

Mathematical education in elementary grades is aimed at forming students' logical thinking, being able to express their ideas independently, and forming the skills of applying knowledge to the activity process.

In mathematics classes, students have an understanding of how to perform and check oral exercises get acquainted with the methods of solving problems, the procedure for keeping notebooks, organizational work, the implementation of independent education, the use of technical means of teaching, and problem situations.

The above-mentioned will help the students to form clear ideas about technology, the structure of relations with the teacher, and mental state during the lesson. These formed ideas serve as a factor in the formation of abstract concepts about the teacher.

A real teacher should be a person who is mentally healthy, believes in himself and others, understands the hearts of others, can solve problems positively, is demanding and kind in his place. Continuous education is of primary importance for the younger generation to take their rightful place in the society. The organization of the educational process, its effectiveness and quality management depend on the level of knowledge, professional skills of the teachers working in the continuous education system, and the ability to scientifically analyze and observe the unique characteristics of the educational process.

The educational process based on pedagogical technology is carried out on the basis of equal communication between the teacher and the student. During this dialogue, each of them performs certain types of activities.

The law on education and the National Personnel Training Program repeatedly emphasize the need to reform the education system and introduce advanced pedagogical technologies. Because our country is developing rapidly and its economic and political position in the world society is increasing day by day. But in the social sphere, especially in education, there are cases of lagging behind the general development.

CONCLUSION

In conclusion, this situation can be eliminated with the technologicalization of the education process. The following cases show the relevance of applying advanced technologies to the educational process. In order to realize the goals and objectives of the national personnel training program, to take a place in the ranks of the developed countries of our society, which for certain

reasons has lagged behind the development of the world community, to accelerate the education of the population and increase its efficiency.

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