

THE MOST IMPORTANT ROLE OF MATHEMATICS IN PRIMARY SCHOOL

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ABSTRACT

Today, in this article, I want to provide information about the role of mathematics in primary school.

Keywords: Mathematics, teaching methods, pedagogical methods, integration of education, observation, experiment, achievements of information technology, pedagogical research.

INTRODUCTION

The word mathematics is derived from the ancient Greek word meaning "knowledge of science." The object of mathematics is the spatial forms and the quantitative relationships between them. This system of mathematical knowledge is communicated to students through certain methods. "Methodology" is a Greek word, "method" means "way". 'applies the laws of the unit at a certain stage in the development of mathematics.

The setting of modern students and educational goals in front of the school has led to a radical change in the content of teaching mathematics.

In order for primary school students to be taught mathematics effectively, the teacher must be able to master and master the teaching methods for primary school students.

The subject of mathematics in the methodology of primary education is:

1. Substantiate the objectives of teaching mathematics (Why is mathematics taught?).
2. Scientific development of the content of teaching mathematics (what to teach), how the level of knowledge brought into a system is distributed in accordance with the age characteristics of students, consistency in the study of the basics of science is provided, The learning load provided by the students is solved, the content of education corresponds to the real cognitive abilities of students.
3. Scientific development of teaching methods (how to teach, that is, what is the methodology of teaching so that students acquire the economic knowledge, skills, abilities and intellectual abilities needed today? must be?

Completion of such tasks encourages children to establish a one-valued correspondence between the elements of the specified sets, which is important in the formation of the concept of natural numbers.

On the one hand, the methodology of mathematics is based on the general theory of pedagogy and is formed on this basis, which ensures the integrity of the methodological and theoretical approach in solving problems of teaching mathematics.

On the other hand, in the formation of the general laws of pedagogy is based on the results achieved by private methodologies, which ensures its vitality and specificity.

Thus, pedagogy is "fed" from the specific material of the methodology, which is used in pedagogical generalization and, in turn, serves as a guide in the development of methodologies. Methods of teaching mathematics are related to pedagogy, psychology and youth psychology. The theory and methodology of the elementary mathematics course is related to other teaching methods (mother tongue, natural sciences, drawing and other disciplines).

It is important for the teacher to take this into account in order to properly implement integrated learning in primary education. Scientific research methods are methods of obtaining scientific information in order to establish legitimate connections, relationships, connections, and to formulate scientific theories.

Methods of scientific and pedagogical research include observation, experimentation, acquaintance with school documents, study of student work, interviews and questionnaires.

Recently, the use of mathematical and cybernetic methods, as well as methods of modeling teaching has been noted.

(Draw the student's point on the board and read the student's point on the chart.) Mathematics teaching methodology answers the following three questions related to the educational process:

1. Why study math?
2. What should you learn in mathematics?
3. How to study mathematics?

The concept of mathematical method was first described in the 1803 book "Visual study of numbers" by the Swiss mathematician G. Pestalozzi. In their free ideas about education and upbringing, they advanced progressive ideas in their time about the problems of learning the basics of primary education.

The methodology of teaching elementary mathematics is used in all pedagogical research, as well as the methods used in the achievements of pedagogical technology, information technology. The method of observation is a direct goal-oriented perception of the pedagogical process, with the appropriate recording of the results of observation under normal conditions.

The methodology of teaching mathematics is inextricably linked with other disciplines, first of all, mathematics - its basic science. Modern mathematics is based on the theory of sets to substantiate the concept of natural numbers.

In recent years, the teaching of mathematics in schools in our country has undergone and is undergoing significant changes, especially in the primary education system.

For example, Article 12 of the Education Act of August 27, 1997 deals with the teaching of grades I-IV. Paragraph 3.3.1 of the National Program of Personnel Training in the Republic of Uzbekistan of October 6, 1997 outlines plans for the organization of teaching in grades I-IV in the development of continuing education.

The introduction of fundamentally new goals for school education has led to a radical change in the content of mathematics education. Mathematics requires development in both the content of the elementary course and the methodology of using textbooks and manuals.

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1. General methods of teaching mathematics.

2. Special methods of teaching mathematics.

This section shows how to apply the laws and rules of general mathematics teaching methods to specific topic materials.

3. Specific methods of teaching mathematics.

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REFERENCES

1. Rakhimovich F. I., Ibrokhimovich F. J. The Use of Information Technology in Primary Schools //Texas Journal of Multidisciplinary Studies. – 2021. – Т. 2. – С. 7-10.
2. Mirzaxolmatovna X. Z. et al. The role of logical issues in teaching mathematics to primary school pupils //ACADEMICIA: An International Multidisciplinary Research Journal. – 2021. – Т. 11. – №. 5. – С. 465-467.
3. Хурсанова З. М., Фозилов Ж. И., Давыдова Е. П. ВАЖНОСТЬ РАЗВИТИЕ ЛОГИЧЕСКОГО МЫШЛЕНИЯ В ПРЕПОДАВАНИИ МАТЕМАТИКИ УЧАЩИХСЯ НАЧАЛЬНОЙ ШКОЛЫ //Интернаука. – 2021. – №. 24-1. – С. 87-88.
4. Mirzaxolmatovna X. Z. et al. The role of logical issues in teaching mathematics to primary school pupils //ACADEMICIA: An International Multidisciplinary Research Journal. – 2021. – Т. 11. – №. 5. – С. 465-467.
5. Fozilov J. I., Toychiyeva M. M. THE ROLE OF MENTAL ARITHMETICS IN THE DEVELOPMENT OF ATTENTION AND THINKING IN ELEMENTARY SCHOOL //Студенческий форум. – 2021. – №. 12. – С. 101-102.
6. Фозилов Ж. И. и др. СОВРЕМЕННЫЕ МЕТОДЫ И ТЕХНОЛОГИИ ПРЕПОДАВАНИЯ В НАЧАЛЬНОЙ ШКОЛЕ //Студенческий вестник. – 2021. – №. 1-1. – С. 55-56.
7. Ibrokhimovich F. J. et al. Teaching Mathematics in Elementary School: Issues and Solutions //Eurasian Journal of Learning and Academic Teaching. – 2022. – Т. 4. – С. 84-87.

8. Fozilov J., Davidova E. ON THE FORMATION OF TOLERANCE IN FUTURE PRIMARY SCHOOL TEACHERS //Студенческий форум. – 2020. – №. 27. – С. 79-81.
9. Ibrokhimovich, F. J. (2022). The Importance of Mother Tongue and Children's Literature in Primary School. Eurasian Journal of Learning and Academic Teaching, 5, 1-3.
10. Fozilov Z., Sharobidinova S. INFLUENCE OF COMPUTERS ON THE DEVELOPMENT OF COGNITIVE ABILITIES OF PRIMARY EDUCATION PUPILS //Студенческий вестник. – 2020. – №. 25-3. – С. 86-88.
11. Makhmuda, Q., & Maftuna, K. (2020). Creative tasks in mathematics lessons in primary classes. Proceeding of The ICECRS, 6, 398-400.
12. Adkhamjanovna, Q. M. (2020). Development of creative abilities in primary schools using ICT. ACADEMICIA: An International Multidisciplinary Research Journal, 10(4), 807-811.
13. Kuchkarova, M. A. (2020). РЕШЕНИЕ НЕСТАНДАРТНЫХ ЗАДАЧ МЕТОДОМ РАССУЖДЕНИЯ НА УРОКАХ МАТЕМАТИКИ В НАЧАЛЬНЫХ КЛАССАХ. Theoretical & Applied Science, (1), 682-685.
14. Кочкарова, М.А. (2021). РЕШЕНИЕ ТЕКСТОВЫХ ЗАДАЧ ПРОСТЫМИ И УДОБНЫМИ СПОСОБАМИ. Теоретические и прикладные науки , (4), 234-236.
15. Adxamjonovna, Q. M. (2021). Emphasis on thinking in elementary grade mathematics lessons. ACADEMICIA: An International Multidisciplinary Research Journal, 11(5), 952-954.