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Development of Logical Thinking in Elementary Mathematics Classes

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ABSTRACT

This article discusses the methodology of forming logical thinking in primary school. The concept of "Logical thinking" is widely covered in primary education. In the article, many examples aimed at developing logical thinking are presented based on evidence.

KEYWORDS: *logical thinking, logic, logicality, logical task, primary education*

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I. INTRODUCTION:

After gaining independence, the Republic of Uzbekistan, especially on the threshold of the XXI century, pays more attention to the socio-economic, spiritual and educational spheres. Many areas are developing and prospering. It should be noted that it is no secret that today more attention is paid to education. In the context of developing Uzbekistan, which is carrying out reforms in the socio-economic, material and spiritual spheres, the growing need for broad-minded, logical-minded youth is a requirement of the times. Because only people with a broad mind and a diverse outlook will be able to ensure the development of society.

It is important to develop the logical thinking of primary school students. Because at a young school age, the conscious activity of students is a thirst for knowledge. At this age, students will have the opportunity to increase the knowledge, morals, memory, stability of attention, which they need to learn from the outside. It is at this age that the development of logical thinking in students is the main task of the primary school teacher. At this age, it is necessary to guide primary school students and increase their interest in science, technology and other professions. It is important to form a sense of patriotism in the hearts of primary school students in order to inspire them, increase their interest in the profession, to look to the future with deep vision.

The development of logical thinking is associated with thinking as a way of perceiving reality, is formed in the primary school in the process of working with arithmetic operations, working on logical problems, conscious use of digital technologies in education, the organization of independent work.

Requirements for students by the teacher often do not serve to develop logical thinking. Focusing only on the content of knowledge in education leads to a decrease in the quality and effectiveness of education. However, only students with a wide range of logical thinking can independently acquire knowledge. That is why it is very important to develop logical thinking in primary school.

II. LITERATURE VIEW

The word "logic" is derived from Arabic and is an Arabic expression of the Greek word "logic", which means "thought", "word", "law". (encyclopedic dictionary of philosophy)

"Logic" means logic, logical basis, legitimacy, basicity. It is no secret that the basis for the development of logical thinking in primary school students is mathematics. Solving mathematical problems makes it easier for primary school students to think. It is important to develop logical thinking in primary school students. Because at a young school age, students acquire the basic knowledge they need. It is this knowledge that facilitates and serves as a program for future studies.

The doctoral dissertation "Didactic bases of formation of cognitive activity in primary school students" written by Doctor of Science, Professor of Nizami Tashkent State Pedagogical University "Ibragimov" is widely covered in the dissertation. explained.

It should be noted that the use of more logical tasks to develop logical thinking in primary school gives good results. To work on logical tasks, we refer to the textbooks of primary school.

III. Analysis and results

In the 1st grade math textbook, many topics are developed to develop students' mathematical thinking skills by finding similarities and differences, and developing thinking through comparisons. In particular, Chapter 1, entitled “Properties of Things,” includes 10 lessons. All topics are similar and aimed at identifying differences, identifying differences through the relationship of things to each other.

This task describes the idea of dividing collections into sets according to their properties. These and similar assignments serve to broaden the thinking of 1st graders.

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Ask which of the items shown in the picture is shown one at a time.

In this case, the student's answer should be:-door, wall, chair, table, swing, cat, teapot, mother, daughter.

Examples of this kind have the character of developing logical thinking. Examples of this type are used by students in elementary school to solve logical puzzles to develop logical thinking.

In short, tasks that develop logical thinking are of great importance for primary school students. Because young people who think highly in all respects are the future of our Motherland.

List of used literature

After gaining independence, the Republic of Uzbekistan, especially on the threshold of the XXI century, pays more attention to the socio-economic, spiritual and educational spheres. Many areas are developing and prospering. It should be noted that it is no secret that today more attention is paid to education. In the context of developing Uzbekistan, which is carrying out reforms in the socio-economic, material and spiritual spheres, the growing need for broad-minded, logical-minded youth is a requirement of the times. Because only people with a broad mind and a diverse outlook will be able to ensure the development of society.

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IV. CONCLUSION

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