



USE OF DIGITAL TECHNOLOGIES IN THE FORMATION OF LOGICAL THINKING IN PRIMARY SCHOOL MATHEMATICS

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Annotation: *This thesis discusses the methodology of forming logical thinking in primary school.*

Keywords: *logical thinking, logic, logicity, logical task, primary education.*

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, and 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.

The word "logic" is derived from Arabic and is an Arabic expression of the Greek word "logic", which means "thought", "word", "and 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.

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

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List of used literature

1. Jonpulatovna S. M., Qizi I. M. F. An integrated approach to the use of pedagogical technologies in primary school mathematics //Middle European Scientific Bulletin. – 2021. – T. 8.
2. Ibrohimova M. Boshlang'ich sinf matematika darslarini o'`tishda" day game" dan



- foydalanish //центр научных ПУБЛИКАЦИЙ (buxdu. uz). – 2021. – Т. 3. – №. 3. 3.
3. Ibrohimova M. F. Improving integration in teaching arithmetic practices in primary school mathematics //ученый XXI века. – С. 31.
 4. Jonpulatovna S. M., Qizi I. M. F. Improve Pupils' Knowledge and Personal Qualities through Educational Tools in Elementary Mathematics Classes //Middle European Scientific Bulletin. – 2021. – Т.
 5. Ibrohimova M. Boshlangich matematika darolarida arifmetik amallarni qo'llashda talim texnologiyalaridan foydalanish metodikasi //центр научных публикаций (buxdu. uz). – 2021. – Т. 8. – №. 8.
 6. Ibrohimova Mohichehra Furqat qizi. Problems That Arise In the Classroom in the Educator and Their Optimal Solutions. European Journal of Innovation in Nonformal Education (EJINE) Volume 2 | Issue 2 | ISSN: 2795-8612
 7. Курбанова Ш. Н., Абдуллаева Ф., Очилова Г. О. Педагогическая технология – целостная система образовательного процесса //новые педагогические исследования: сборник статей IV. – 2021. – С. 20.
 8. Abdullayeva F. Methodological possibilities of organization of primary school technology lessons with pedagogical technologies //центр научных публикаций (buxdu. uz). – 2021. – Т. 8. – №. 8.
 9. Abdullayeva F. Ta'lim tizimi sifatini oshirishda pisa va timss kabi xalqaro tadqiqotlarning roli //центр научных публикаций (buxdu. uz). – 2021. – Т. 3. – №. 3.
 10. Qurbonova S. N., Abdullayeva F. Tarbiya darolarida interfaol metodlardan foydalanish //Scientific progress. – 2021. – Т. 2. – №. 6. – С. 1030-1035.
 11. M.Qosimova K. Karimova "Problems of finding the sum or difference of two numbers and their" Актуальные вопросы современной науки и образования.
 12. F.Qosimov, A.Qosimov, M.Qosimova "" To develop students', skills of nature conservation and respect for human labor by teaching them to solve environmental problems" Asian Journal of multidisciplinary Research (AJMR), January 2021
 13. Qosimov, Fayzullo Muxammadovich, and Mavluda Muxammadovna Qosimova. "Ikki (yoki bir necha) sonni ularning yigindisi va ayirmasiga kora topishga doir masalalar." Scientific progress 2.6 (2021): 1138-1145.
 14. Kasimov, Firdavs Fayzullo o'g'li. "Masalani muhokama qilib yechish orqali o'quvchilarda xulosa chiqarish ko'nikmasini shakllantirish." Scientific progress 2.7 (2021): 1038-1047.
 15. Kasimova, Mavluda Mukhammedovna, and Kamola Karimova. "Problems of finding the sum (or difference) of two numbers and their ratio." актуальные вопросы современной науки и образования. 2021.
 16. Rajabova Nodirabegim, Fayziyeva Dildora folklorism in the works of Dilshod Rajab актуальные вопросы современной науки и образования пенза, 20 февраля 2021 года
 17. Rajabova Nodirabegim Komilovna Methods and tools of educational technologies in the formation of the concept of figure face in students About the Journal 2021-04-10
 18. Rajabova Nodirabegim Kamilovna **Coaching approach at a mathematics lesson in grade 3 in the educational structure "equal partner"** Asian Journal of Multidimensional Research (AJMR) Asian Journal of Multidimensional Research (AJMR)
 19. Nodirabegim.K.Rajabova Pedagogical Conditions for Improving the Research Activities of Future Primary School Teachers International Journal of Social Science And Human Research Volume 05 Issue 01 January 2022.