

The Significance of the "Building And Constructing" Center in Developing the Cognitive Skills of Preschoolers

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ABSTRACT

Today, one of the urgent issues facing the pedagogues of preschool education organizations is to develop the creative abilities of students through the development of their mathematical abilities, to prepare them for calculation, life situations and communication. This article discusses the issues and methods of developing students' mathematical abilities, forming their imaginations, mastering new, more complex and broad aspects of mathematics.

KEYWORDS: *preschool education, mathematics, mathematical ability, calculation, speech, creative development, education, correct solution, experience, knowledge, education, game, didactic games, academic tasks, cognitive competencies.*

In fact, creative ability is an individual characteristic of a person's quality that determines the success of various types of creative activity. Since the element of creativity can be in any human activity, it is correct to talk about not only artistic creativity, but also technical creativity, mathematical creativity, etc.

Abilities are not innate qualities; they exist only in the process of development and cannot develop outside of specific activities. Everyone is capable of doing any activity, but depending on their innate inclinations, their level of development is different for everyone. Talented people can enter the highest level; they have a harmonious combination of different inclinations.

According to most psychologists, creative ability can be determined by specific aspects of thinking. It has been scientifically proven that children with mathematical creativity do not focus their efforts on finding the right solution, but start looking for solutions from all directions to consider as many options as possible. The fact is that the brain of a child of preschool age grows especially quickly and matures in the sixth and seventh years of his life. This is the most favorable period for the beginning of the development of the diversity of human abilities. But incentives and conditions are necessary for the development of children's abilities. The more favorable conditions are created, the more successful development begins. Preschool children are very curious because they have great imagination to explore the world. Both parents and educators contribute to expanding children's experiences by stimulating interest, educating children, and engaging them in various activities. Accumulating experience and knowledge is a necessary condition for future creative activity.

In addition, the thinking of preschool children is freer than that of adults. He is more independent. And this quality should be developed in every way.

Based on the above, we can say that preschool age provides great opportunities for the development of creativity. Surely, every child is born with innate creative abilities, but they are hidden and certain conditions must be created to reveal them.

It is very important for preschool children to strengthen their knowledge in order to increase their first mathematical perceptions. Because a person often encounters mathematical calculations

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throughout his life. The main goal of forming the first mathematical imagination in preschool children is to develop their logical imagination. Because life consists of logical calculations.

If we help children enter the world of mathematics using interesting interactive methods, if we equip them with sufficient mathematical knowledge, then we can achieve our goal. Therefore, various interactive methods are used for children of preschool age, for example, educational, action games, stories, problem tasks, practical work, games on arithmetical problems and etc.

For example:

“MATHEMATICAL ICE CREAM”

Didactic game "Mathematical ice cream" is intended for students of senior and preparatory groups. The game helps to enrich students' knowledge about numbers and to easily learn new information. The game teaches the child to be quick, helps to concentrate, has a positive effect on the development of memory and logical thinking. Supplies needed: Cardboard ice cream cones with numbers 1 to 10 on them. Round cartons for ice cream written from 1 to 10.

“WE LEARN TO ADD”

The teacher distributes the ice cream cone to the children. Each child will have to put a matching ice cream cone on a numbered wafer box placed in front of him. They have thirty seconds to do this. During the game, the educator shows up to ten waffle cards. Children are told to do the task independently without looking at anyone else. Participants who do it quickly and correctly are rewarded.

“WHO’S FAST?”

The teacher tells the children to collect ice cream with two red balls and three yellow balls. Who among the children in the group collects this ice cream the fastest is the winner.

Through these educational games, children can study with excellent grades in schools in the future, get high results, and not lose their way, master their profession perfectly, be able to set clear life goals, and become selfless people that our country needs. It is important that we achieve our goals. Because during our life, we face mathematical calculations. No matter what profession we take up, we will need to rely on our mathematical knowledge to do it well.

As we know, in order to form the first mathematical ideas, as stipulated in the "State requirements for the development of preschool children" and the "First Step" state curriculum, children learn about numbers and counting, geometric shapes, quantity and size, time and space.

As the first step is defined in the competences of the field of "Knowledge process and development" of the state curriculum, at the end of educational activities, a 6-7-year-old child:

- knows numbers, calculation, and can use them in life;
- behaves according to space, situation and time;
- Performs simple mathematical calculations.

Therefore, the ability to use the acquired knowledge, skills and abilities in daily activities is also formed in the child. For this, we need to give the child perfect mathematical knowledge in accordance with his age and improve the child's ability to think logically.

From all of the above, we can conclude that preschool age provides great opportunities for the development of creativity.

Human mind is extremely powerful, and the value of this power depends on how and how much he acquires knowledge from a young age.

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The results of the analysis of our scientists show that a person under the age of 7 absorbs 70% of the information he receives during his life, so it is important to give the necessary knowledge to a child under the age of 7 in accordance with his age, who and what kind of person the child will be in the future.

In conclusion, it can be said that when children with mathematical knowledge can think logically, they think correctly, and correct thinking leads to correct conclusions, which leads to persistence, increases self-confidence, the child can confidently express his opinion. Mathematical knowledge has a great impact on the development of the child's speech, along with the child's self-confidence.

References

1. Turdieva M. J. Content of Development Of Creative Skills Of Preschool Children Based On Individual And Innovative Approach //Berlin Studies Transnational Journal of Science and Humanities. – 2022. – Т. 2. – №. 1.5 Pedagogical sciences.
2. Jurakulovna, Turdieva Mokhira, et al. "Organization Of The Process Of Preschool Education And Upbringing Based On A Student-Centered Approach." *International Journal of Early Childhood* 14.03: 2022.
3. Олимов К. Турдиева М. Инновационный подход и государственная учебная программа «первый шаг» в реализации процесса дошкольного образования и подготовки //Общество и инновации. – 2021. – Т. 2. – №. 2/S. – С. 419-423.
4. Турдиева М. Мактабгача таълим ташкилотлари “Тил ва нукт” марказида тарбияланувчиларнинг ижодий қобилиятларини ривожлантириш //Центр Научных Публикаций (buxdu.uz). – 2021. – Т. 8. – №. 8.
5. Jurakulovna T. M. Pedagogical Creativity-Requirement of Today //European Journal Of Innovation In Nonformal Education. – 2022. – Т. 2. – №. 2. – С. 236-240.
6. Turdiyeva M.J. Maktabgacha yoshdagi bolalarning ijodiy qobiliyatlarini rivojlantirishning innovatsion metodlari. Metodik qo‘llanma. Buxoro.-2021.
7. Turdieva M. Preschool age is an important time to focus on creativity. //Матеріали конференцій МЦНД. – 2021.
8. Turdiyeva M. J., Islomova M. I. Q. A model for developing the creative abilities of preschool children based on a person-centered approach //Builders Of The Future. – 2021. – С. 10-14.
9. Турдиева М.Дж. Инновационный подход к дошкольному образованию //Проблемы науки. – 2021. – С. 71.
10. Рахмонова Г. Ш. Намозова Ш. ДУХОВНОСТЬ-ВАЖНЫЙ ФАКТОР РАЗВИТИЯ ОБЩЕСТВА //Scientific Impulse. – 2022. – Т. 1. – №. 4. – С. 1455-1460.
11. Рахмонова Г. Ш. и др. ОЛИЙ ТАЪЛИМ МУАССАСАЛАРИ ЎҚИТУВЧИЛАРИНИНГ КРЕАТИВ КОМПЕТЕНТЛИЛИГИНИ РИВОЖЛАНТИРИШ //Scientific Impulse. – 2022. – Т. 1. – №. 4. – С. 1347-1350.
12. Raxmonova G. TALABALARNI MA’NAVIY SHAKLLANTIRISHDA MA’NAVIY–AXLOQIY TARBIYANING O‘RNI //ЦЕНТР НАУЧНЫХ ПУБЛИКАЦИЙ (buxdu.uz). – 2021. – Т. 3. – №. 3.
13. Shavkatovna R. G. Improving Technologies to Develop Spiritual and Moral Competencies In Future Teachers //The American Journal of Management and Economics Innovations. – 2020. – Т. 2. – №. 09. – С. 1-5.

<https://cejsr.academicjournal.io>

14. RAXMONOVA G. MA'NAVIYAT-JAMIYAT RIVOJLANISHINING MUHIM OMILI //ЭКОНОМИКА. – С. 159-161.
15. Мирзаева Д. Ш. Хамраева А. Э. АРТПЕДАГОГИКА В СИСТЕМЕ ВОСПИТАНИЯ МЛАДШИХ ШКОЛЬНИКОВ //ЎТМОЎ FANLARDA INNOVASIYA ONLAYN ILMIY JURNALI. – 2022. – Т. 2. – №. 2. – С. 87-91.
16. Mirzaeva D. Art Therapy as Means of Adaptation of Young children to pre-scool: Art Therapy as a Means of Adaptation of Young children to pre-scool //ЦЕНТР НАУЧНЫХ ПУБЛИКАЦИЙ (buxdu. uz). – 2022. – Т. 11. – №. 11.