

## **KINDERGARTEN, SCHOOL AND FAMILY PARTNERSHIP IN TEACHING CHILDREN IN MATHEMATICS**

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**Abstract:** This article talks about the importance and useful, superior aspects of cooperation between kindergarten, school and family in teaching children mathematics.

**Key word:** problem-based learning, problem statement, heuristic method, organization.

Today, large- scale reforms are being implemented in all areas in our country. Fundamental changes [have been made](#) especially in the field of preschool education , and the issue of education of preschool children has become an urgent issue at the state level. In this regard, our President Sh.M. The works being carried out on Mirziyoyev's initiative, the decrees and decisions being adopted are being implemented as planned. Establishment of the Ministry of Preschool Education, Resolution No. 2707 of the President of the Republic of Uzbekistan "On measures to further improve the preschool education system in 2017-2021", Republic of Uzbekistan "Preschool education and upbringing Law on ", Decision on measures to improve the management of the preschool education system, [State requirements for the development of primary and preschool children of the Republic of Uzbekistan](#) , "The first step" State education Adoption of normative legal documents such as curriculum, "Concept of development of the preschool education system of the Republic of Uzbekistan until 2030" is of particular importance in improving the quality and efficiency of education in the preschool education system. It is known that the main tasks of educating children of preschool age are to develop children physically, mentally and spiritually, to educate them based on national and universal values, taking into account their innate [abilities , interests, needs and opportunities. Scientific and methodological support of](#) future pedagogues, their professional training are among the main issues in improving the process of teaching children of preschool age . In particular, the development of mathematical imagination and knowledge in children has a special place in their growth as intellectually mature people.

Problems of developing elementary mathematical concepts. One of the goals of teaching children mathematics and improving the educational process in preschool education is the development of mathematical concepts in children . It is necessary to know the features and conditions to be studied. Mathematical knowledge in children makes it possible to study the world in depth without being separated from life. In this, the idea that children have before mathematical concepts is of great importance. Each innovation is preceded by an idea, and then this innovation also tries to understand a general method to prove the results and generalize this result. The process of solving mathematical problems at its core requires independent thinking. The level of development of mathematical concepts varies from person to person. Its formation requires constant training. These exercises begin with family and preschool education. Each independently solved problem, structured problem, and independent overcoming of the difficulties encountered in the process of solving the problem builds

resilience and develops creative abilities. According to spiritualists, the problem of forming mathematical concepts is complex and complex. In its essence, every thought is a product of a creative, lower or higher level. Each idea is an independent action aimed at researching and creating innovation and popularizing it. The analysis of the literature shows that the product of developing mathematical concepts is characterized by a high level of innovation, the uniqueness of the process of achieving it, and a significant impact on mental development. Some authors believe that the child's different thinking encourages them to independently solve new problems, to quickly acquire deep knowledge, and to easily move to a convenient opportunity. SL Rubinstein's first research on general mental development is appropriate.

Problem-based learning is of great importance in the formation of mathematical concepts in children. Problem-based education is a didactic system that involves the involvement of pedagogues (educators) in solving problems of a problematic nature. Psychologists believe that thinking begins with a question in a problematic situation. Therefore, the problem situation lays the foundation for problem-based education, creates conditions for solving the problem. Situation is a process that calls for the need to organize concepts through scientific debate.

A problematic process is a perceived difficulty that requires a search for its solution. If the given question creates difficulties and new knowledge and intellectual activity are required from the pedagogue (educator) in answering, then a problematic situation is created. In a problematic situation, pedagogues (educators) are fully directed to the solution of important questions, the thinking of pedagogues (educators) is inclined (corrected). When solving a problem, this tendency becomes a clear goal. Problem-based learning can be useful only when the basic knowledge, understanding, and oral problem-solving techniques are deeply and firmly mastered by the child. The importance of the problematic situation in the educational process is that children are "seekers" and the first discoverers. In this, a problem situation is first created and analyzed, a convenient way to solve the problem is determined, the problem is solved, and the conclusion is studied. In the process of using problem-based learning, a set of problem statement, heuristic conversation and research techniques can be used.

The essence of the problem statement is that the pedagogue (educator) himself gives the problem and shows the methods of verbal solution. The essence of the heuristic method is expressed by the pedagogue (educator) thinking in advance the system of questions that direct children to specific research. The research method arouses great interest in the surrounding world in children, they try to think, reason, study the surrounding events, use the acquired knowledge in practice and solving problems. In the research method, a pedagogue (educator) can pose a problem, make hypotheses, determine the main idea, make observations, compare and generalize, analyze, divide the whole into components and draw a conclusion.

for regularity and consistency in children's education is regular communication between the family and preschool education organizations. Raising a child is a difficult and complex task that requires not only the right attitude towards children, but also a high sense of responsibility for their fate from all members of the family. Family education in all aspects, including spiritual, moral, intellectual, aesthetic, physical and work education, will have a good effect.

Spiritual education should be taught to the child by telling about national heroes who fought for the development of the Motherland, peace and prosperity of the country in the past, introducing the symbolic symbols of our country, independence, memorizing poems and songs about the Motherland, value and can be inculcated by teaching our mothers. In the process of family education, a number of moral aspects of a person are formed, so that no other object of education gives as high a result as in the family. They have such human qualities as humanity, kindness, compassion, sympathy, courtesy,

duty and loyalty. The family also has an important role in providing aesthetic education to the future generation.

and analyzing plays and movies together , forming a culture of difficulty, taking care of flowers at home, painting, etc., are aspects of forming a child's aesthetic education.

Parents should be extremely responsible for the physical fitness of their growing children. For example: it is necessary to carry out morning physical exercises together with children, to give proper and vitaminized food, to arrange rest and sleep properly, they should be supervised by a doctor. Labor education is important in a child's life.

only when raising children in the spirit of love for work, forming the work ethic in them, and taking into account their interests in forming skills . When preparing a child for school, parents should pay serious attention to the formation of work skills and qualifications, to educate the need for work, to appreciate the work of others, to be careful about the results of work. Work is a means of educating children's organization, attention, coordination, as well as developing willpower such as persistence and perseverance in achieving goals.

It is an important task of employees of preschool education organizations, pedagogues, researchers and designers who conduct scientific work in this field to find ways to further improve the family upbringing of children of preschool education age, cooperation with parents, to strengthen the connection between family education and social education. . Education of children is a task of state importance. Its correct solution depends on the comprehensive approach to educational work, the complete interaction and unity of actions of educational institutions, family and society. The transition of a preschool child to school education always brings about serious changes in his life, morals, interests and relationships.

Therefore, it is necessary to prepare the child for school education in kindergarten or at home, to familiarize him with not so difficult knowledge , understanding, skills and abilities. Family education is effective in all aspects, including ideological, moral, aesthetic, physical and work education. For example: ideological education can be inculcated by telling a child about national heroes who fought for the development of the country, peace and well-being of the country in the past, introducing the symbolic symbols of our country, memorizing poems and songs about independence and the country. Also, it is to form a sense of readiness for the defense of the Motherland in our children. In the process of family education, a number of moral aspects of a person are formed, so that no other object of education can produce as high a result as in the family. These include great human qualities such as humanity, kindness, compassion, empathy, courtesy, duty and loyalty, and gratitude.

The family also has an important role in providing aesthetic education to the future generation. Singing songs in the family circle, reading a fairy tale or a work in the family circle, watching and analyzing plays and movies together , forming a culture of dressing, taking care of flowers at home, painting are aspects of the formation of aesthetic education in a child. Parents should take great responsibility for the physical fitness of their growing children.

we present the most common forms and methods of the cooperation of the employees of preschool education organizations with parents and families.

Work one-on-one with parents and families. This includes the visit of a tutor to the family, conducting an interview for parents, giving them advice, introducing parents to the life of the child in preschool education organizations.

2. Work organized with parents as a team. These are group and general meetings of parents , parents' school, conferences, Saturdays, question-and-answer evenings.

3. Instructional works. This type of work includes: organization of exhibitions, demonstration of children's work, open day, parents' corner, organization of libraries for parents. Visit the child's family and get to know the family members. Parents can show pedagogical training and others.

The importance of mathematical knowledge in the mental development of children of preschool age. The importance of mathematics for the development of logical thinking has been known since ancient times. When we talk about the mathematical style of thinking, which should be known by specialists of any specialty, we mean the high qualities of logical thinking, brevity, orderliness even if it is small, falsification-proof, full proof, etc.

can say that most of these abilities are developed in the process of learning language, literature, history, etc. Every activity should develop children's mental strength. However, in the formation of logical thinking, mathematics is undoubtedly of primary importance, because it cannot be reconciled with false claims, it is one of the rare sciences that prefers to reject verbal thinking rather than pretending to be true. This is one of the reasons why the mathematics teacher has a great responsibility in front of the society, after all, the style of thinking is largely dependent on the style of teaching.

In conclusion, it should be said that when we talk about the factors that affect children's readiness for school education, the issue of strengthening the relationship between family education and social education should be addressed to the employees of preschool education organizations, pedagogues, scientists, researchers and designers who conduct scientific work in this field. is setting urgent tasks.

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