

METHODS OF ORGANIZING TRAINING BASED ON TSIP-TECHNOLOGY

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Annotation. TSIP - the theory of solving inventive problems - is structured in such a way that the child not only acquires a certain amount of knowledge and skills, but also fantasizes, invents, thinks more than others and has a sufficient level of speech development technologies. This article provides information on how to use TRIZ technology to organize training.

Keywords: TSIP, ingenuity, speech, method, technology, modern, form, training, activity.

It is worth noting that today in our country, in the Republic of Uzbekistan, large-scale work is being carried out to take a place among the top 50 countries in the Global Innovation Index by 2030. For this, first of all, the draft law "On Science" was developed in order to strengthen the regulatory and legal basis of the field of science. In addition, during the past short period, decisions aimed at commercialization and increasing the efficiency of scientific research work were made.¹

Currently, innovative technologies are being introduced into work in preschool institutions. Therefore, the main task of preschool teachers is to choose innovative pedagogical technologies that optimally correspond to the goal of personal development. Modern pedagogical technologies in preschool education are aimed at implementing state standards for preschool education. A fundamentally important aspect in pedagogical technology is the child's position in the educational process, the attitude of adults towards the child. TSIP technology adapted for preschool age allows you to educate and train a child under the motto "Creativity in everything!" The purpose of using this technology in kindergarten is

¹ qizi To'rayeva, O. S. (2023, March). IVEN (IXTIROCHILIK VAZIFALARINI YECHISH NAZARIYASI) TEXNOLOGIYASIDAN FOYDALANISH TARIXI VA AHAMIYATI. In *INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE "THE TIME OF SCIENTIFIC PROGRESS"* (Vol. 2, No. 4, pp. 66-72).

to develop, on the one hand, such qualities as flexibility, mobility, consistency, and dialectical thinking; on the other hand, search activity, the desire for novelty; development of speech and creative imagination. The main goal of using TSIP technology in preschool age is to instill in the child the joy of discovery. The main criterion in working with children is clarity and simplicity in the presentation of material and in the formulation of a seemingly complex situation.

In order to develop the mental processes of each child using the main activity of a preschooler - a game, I decided to use TSIP technology games in classes to prepare for learning to read and write. The main word is preparation, that is, the child's readiness to learn at school.

The founder of this theory is Henrikh Saulovich Altshuller, Russian scientist-practitioner, fiction writer, teacher.

The main tool used in TSIP is pedagogical search, the child is not offered a ready-made solution, he is given the opportunity to find it himself.

Currently, TRIZ techniques and methods are used to develop creative imagination, thinking, attention, memory, and speech development in preschoolers.

What is TRIZ pedagogy? A legitimate question arises as to how this will be done.

— A set of teaching methods based on a creative approach, so there are no grades and no single correct answer in TSIP.

Using this approach, children develop flexible thinking and imagination, learn to solve complex problems elegantly and effectively.

What are the principles of modern TSIP pedagogy?

- ✓ provides the student with the right to choose in any teaching or management actions;
- ✓ uses tasks that encourage self-generation of ideas;
- ✓ to give students the opportunity to practice new knowledge, skills and abilities;
- ✓ management of the educational process through feedback;

- ✓ opportunities, knowledge, and interests created by students themselves can be used to the maximum to increase efficiency;

What are the advantages of this approach?

- ✓ students see the nature of the problem and unusual ways of solving it, learn to identify directions for finding information and systematize material;
- ✓ studying becomes more enjoyable, interesting and effective;
- ✓ familiar things are revealed from a new side;

Long-term use of TSIP forms creative thinking in inventors, its flexibility, range, systematicity, originality and many other qualities. These opportunities made it possible to develop pedagogical technologies for the development of thinking based on TSIP.

When using technology, classes with preschool children were conducted using non-traditional methods. The children were interested, they searched for the truth together. Exercises and games using TSIP developed intellectual abilities in children: imagination and creativity, dialectical and visual - schematic thinking. The use of TSIP technology helps to: search for irrelevant ideas, solve and identify creative problems, develop intellectual abilities, form mental movements, develop a complex of cognitive processes such as attention, perception, thinking, memory and imagination².

TSIP facilitates the generation of new ideas because solving inventive problems is based on a system of logical operations. Currently, TRIZ techniques and methods are successfully used in kindergartens to develop children's creative imagination, inventiveness and dialectical thinking.

TSIP technology is indispensable, multi-functional in nature, contributes to the development of creative abilities and creative imagination, self-awareness, self-expression, is interesting for children and adults, is a state of preschool education

² Erkinovna, U. S. (2023). TRIZ TEXNOLOGIYASI-MAKTABGACHA YOSHDAGI BOLALARNING INTELLEKTUAL QOBILİYATLARINI RIVOJLANTIRISH OMILI SIFATIDA. *Scientific Impulse*, 1(12), 340-343.

meets the requirements of the educational standard. , provides not only high-quality, but also an interesting learning process. The main tasks of TSIP technology are closely related to the modern concept of forming a creative person, and knowledge and skills are not the ultimate goal of learning, but creative activity, a means, a means, a field for each person's self-realization.

TSIP technology adapted to preschool age allows the child to "Creativity in everything!" Creates an opportunity to teach under the slogan.

The use of non-traditional methods of TSIP technology helps to use it in various types of children's activities, in everyday life, and in future life.

Today, in our country, TSIP technology is not implemented in the work system of preschool educational organizations, because the content of the TSIP program, as well as the forms and methods of teaching, are not sufficiently developed. Thus, objective social conditions create the need to search for effective methods and conditions for the formation of creative thinking, imagination and speech of preschool children.

The form of presentation of pedagogical experience is a pedagogical technology - a set of educational and educational tools, special forms and methods used systematically in the educational process³.

R. N. Yusufbekova considered innovations from a pedagogical point of view, while Russian scientists A. I. Prigozhin, B. V. Sazonov, V. S. Tolstoy, N. P. Stepanov and others focused on studying the innovation process and its components.

In our country, scientific and research work is being carried out on the problems of developing pedagogical innovations. Pedagogical scientists N. Azizkhodzjayeva, B. Farbemon, N. Sayidahmedov, K. Zaripov, M. Ochilov, O'. Tolipov, M. Usmonboyeva, M. Jumaniyozova and others can be mentioned.

³ Rustamova G.Yo. МАКТАБГАЧА YOSHDAGI BOLALARGA TA'LIM BERISHDA TRIZ TEXNOLOGIYASI METODLARIDAN FOYDALANISH // Экономика и социум. 2021. №11-1 (90)

Therefore, innovative technologies in preschool education are connected with game technologies.

TSIP technology can be used to improve children's speech in the process of familiarization with the environment in a preschool educational organization.

Children are asked what season it is now. Explain the new topic to them and ask them which season they like.

— "Guys, how many seasons are there in a year?" - are their answers.



Children are divided into 4 groups and pictures suitable for each season are placed on the tables. For example:

1. Swallow. 2. Picture of an apple. 3. Maple leaves. 4. Samples of pictures of snowflakes are placed.

Children are invited to take pictures corresponding to their favorite seasons, go to the table with this picture, and divide into four teams.

1. The spring team is the group of swallows.
2. Summer team - apple team.
3. Autumn group - maple leaf group.
4. The winter team is a group of snowflakes.

Children are asked to draw pictures according to their seasons. Poems are requested. In this way, training is conducted, children who actively participate are rewarded.

According to F. Kadirova, "Game is the main form of activity in preschool education organizations." Games using TRIZ technology lead the child to the world of knowledge, significantly develop thinking, the ability to find non-standard solutions, and ingenuity.

Adabiyotlar

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