Tulakova Ziyodaxon Rivojidinovna, Senior Lecturer of the Department of Natural Sciences, TUIT FF Shokirov Asrorjon Murodjonovich , Assistant of the Department of Natural Sciences, TUIT FF METHODS OF TEACHING MATHEMATICS IN AN INTERACTIVE WAY, USING PEDAGOGICAL TECHNOLOGIES (ON THE BASIS OF PRACTICAL ANALYSIS)

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Abstract: This article describes the interactive methods used in the teaching of mathematics and the state of formation of mathematical skills in students using them on the basis of practical analysis.

Keywords: distance learning, interactive methods, pedagogical skills, modern mathematics, axioms, brainstorming, problem-based learning

The science and mathematics of stellar judgment is the best product of the sciences. **Abu Rayhan Beruniy**

One of the most important requirements for the organization of modern education is to achieve high results in a short time without spending too much mental and physical effort. Delivering certain theoretical knowledge to students in a short period of time, developing in them the skills and competencies for a particular activity, as well as monitoring student activities, assessing the level of knowledge, skills and abilities acquired by them requires high pedagogical skills and requires a new approach to the educational process.

One of the most important and urgent tasks in the field of training today is to cultivate a strong, well-educated, independent-minded person. It is important to organize the independent work of students. In today's fastpaced world of information flow and knowledge, it is difficult to get all the information to students in the classroom alone. Therefore, professors should pay special attention to the organization of independent work of students.

Compared to other disciplines, mathematics is characterized by the highest dimension and accuracy of abstraction. The extreme logic of mathematical knowledge shows that the human mind lacks a basic mind. Mathematical proof is the most reliable method of determining the validity of properties and assertions. Achieving the highest level of accuracy for modern mathematics of the XX-XXI centuries is a complete generalization of this problem. If proof is not required for the initial problem under consideration (axiom), then a proof can be given by generalization. Today, one of the most innovative ways to organize the teaching of mathematics is distance learning. Distance learning tools include a dedicated screen and projector, an Internet browser, and online video that can be used to remotely teach a pre-selected topic, either through video conferencing or zoom.

To date, many pedagogical technologies have been developed, and pedagogical scholars classify it differently. Russian scientist GK Selevko, who made a significant contribution to the development of the theory of pedagogical technologies, distinguishes among educational technologies educational technologies based on the growth and intensification of cognitive activity of students. This category includes the following educational technologies:

1. Game technologies;

2. Problem-based learning technology;

3. Project method technology;

4. Interactive technologies;

Interactive technologies mean education that ensures active interaction between the learner and the teacher in the pedagogical process. In the process of teaching based on interactive technology, the main task of the teacher is to direct and facilitate this process of information exchange.

To do this, the teacher must do the following:

-determines the fact, the different attitudes to the event, the ideas;

- The personal experience of the participants activates the knowledge and imagination previously formed in them;

- uses methods and forms that ensure their activity;

-connects theory and practice;

-forms pedagogical situations that encourage participants to share experiences;

- Ensures that participants understand each other;

- Encourages creativity in participants;

New pedagogical approaches need to be taught to the student using a variety of methods. For example:

"Brainstorming" is the main goal at this stage of the method is to create as many ideas as possible (in which case no idea is accepted without denial, even if they are absolutely wrong or unreal).

"Problem-based learning" - in which the student is given a certain level of problem and his solution is approached differently (the problem can be real or unreal).

"Categorical interpretation" - this method helps to organize and understand the ideas formed in students during the mental attack.

"Insert" - this method helps students to study the information independently in depth, and during reading it is required to put certain

symbols on the edge of the book page, which reflect the process of receiving the student's information.

"Venn diagram" - it develops students 'analysis and generalization skills. "Syncway" is a non-rhyming poem consisting of five lines. This method is used at the stage of learning (understanding) more new information.

Today, professionals trained in educational institutions are able to think independently, solve problems through the use of modern technologies, provide independent education, continuously improve their skills, quickly find the information necessary for effective work and use them. must be able to apply, innovate, work collaboratively with colleagues, feel responsible for their actions, have management skills.

Primary classes are taught using many methods. At the same time, it teaches students to count as well as possible, to be orderly, to take an interest in science. First of all, all teachers teach students how to teach in the same way, to teach, to qualify economic knowledge, we will consider the question of how to conduct educational work in order to acquire skills, mental activity and abilities. First in the primary grades, the teacher should study the student and explain the school concept in simple and straightforward language. The child was taught to count through more pictures and to answer the concept of quantity, ie "how many", and then the concepts of addition, subtraction, multiplication (multiplication), division were given a simple explanation. When mathematics is taught in the primary grades in an integral way with other disciplines, the student learns not only mathematics but also the essence of other disciplines in relation to each other.

Pedagogical technologies will be based on the exchange of knowledge between the student and the teacher, to what extent they have mastered it. Therefore, the development of science and technology, reforms in the economy, changes in the social sphere, have led to changes in the requirements for specialists. The training of such specialists requires the implementation of large-scale reforms in the education system, and the introduction of modern pedagogical technologies in the educational process of educational institutions is one of the most important issues.

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