

USE OF INTERACTIVE METHODS IN TEACHING MATHEMATICS

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ABSTRACT

The article discusses the possibilities and advantages of using interactive methods in mathematics lessons.

Keywords: education, interactive, method.

INTRODUCTION

The great creative work taking place in our country today, the laws and decisions adopted in the field of education, the great goals set out in our "National Program" encourage today's teachers to work harder and do more research. The positive results of these goals, first of all, are the effective organization of educational work to teach the younger generation the basics of scientific knowledge, to form in them a broad outlook and scope of thinking, the formation of spiritual and moral qualities. associated with. After all, the creation of a bright future of the country, the spread of its name in the world, the presentation of national and cultural heritage created by great ancestors to the public, their enrichment depends on educating the younger generation as full-fledged and qualified professionals.

MATERIALS AND METHODS

The Law of the Republic of Uzbekistan "On Education" adopted at the IX session of the Oliy Majlis of the Republic of Uzbekistan (August 29, 1997) and the "National Program of Personnel Training" the essence of which has been fully revealed. Each stage of the process of training qualified personnel must carry out certain tasks to effectively organize the educational process, to raise it to a higher level, to bring it to the level of world education.

It is important that employees of the system of continuing education, teachers are aware of the essence of modern educational technologies and be able to use them effectively in the educational process, as well as to take a creative approach to the organization of the educational process. . The ability of teachers to organize the process of teaching mathematics in non-traditional forms, to design the educational

process on the basis of a perfect standard, to use these projects rationally, requires a thorough theoretical knowledge of students. , deep mastery can be a guarantee of the formation of practical skills and competencies in them.

The educational process allows you to express a set of theoretical and practical knowledge on a particular topic, which serves to illuminate the content of the educational material. The content of education should also reflect the scope of the concepts, skills and competencies that students need to acquire. After all, the ideological perfection of the content of education is determined by the level of acquisition of certain knowledge, skills and abilities by students. The effect of this is reflected in the development of conditions that enable students to master certain concepts and develop skills and competencies.

It is the form, methods and tools of the lesson that contribute to the success of the learning process. With their help, theoretical knowledge about the subject of the subject is transmitted to students, and this knowledge is accepted by students. Determining the most appropriate form, method, and tools for the course will ensure almost 90 percent success in the learning process. It is at this stage that the essence of new, modern pedagogical technologies is revealed. The right choice of forms, methods and tools of education that encourage students to be creative, active, free-thinking will help to make the teaching process more effective, interesting, full of debate, and creative debate. Only in this case, students take the initiative, and the teacher is able to direct their activities in a certain direction, to control the overall activity, to provide guidance in difficult situations, giving advice, as well as evaluating their performance.

RESULTS AND DISCUSSION

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. To provide students with specific theoretical knowledge in a short period of time, to develop skills and competencies in a particular activity, as well as to monitor the activities of students, to assess the level of knowledge, skills and competencies acquired by them from the teacher requires high pedagogical skills and a new approach to the educational process.

Forced use of pedagogical technologies is not possible. On the contrary, it is advisable to develop them creatively, while using the advanced technologies based on or used by experienced educators.

Today, there is a great deal of experience in the use of pedagogical technologies that increase the learning and creative activity of students and ensure the

effectiveness of the educational process, and the methods that form the basis of this experience are called interactive methods. Let's look at the essence of some of the interactive methods used in mathematics lessons and how to use them.

The "intellectual attack" method. This method is used in the early stages of the process of ensuring the activity of students in the classroom, encouraging them to think freely and freeing them from the inertia of the same thinking, collecting colorful ideas on a particular topic, as well as solving creative tasks. serves to learn to overcome existing ideas.

CONCLUSION

"6x6x6" method. Using the 6x6x6 method, it is possible to solve a specific task or problem by involving 36 students in a specific activity at the same time, as well as to identify the capabilities of each member of the group and find out their views. In this method-based activity, 6 groups of 6 participants each discuss the problem posed by the teacher. At the end of the time, the teacher reorganizes the 6 groups. Each of the reorganized groups will have one representative from the previous 6 groups. The newly formed group members present to their teammates the conclusions presented by the group as a solution to the problem and discuss these solutions together.

"Cluster" method. The cluster method is a specific form of pedagogical, didactic strategy that helps students to think freely and openly about voluntary problems and to express personal opinions. This method requires the identification of a structure that allows one to think about the connections between different ideas.

The cluster method is a form of thinking that is not object-oriented. Its use is linked to the way the human brain works. This method serves to ensure that the thinking process is smooth until the students have mastered a particular topic in depth and thoroughly.

The method is presented in the form of group lessons and a set of ideas expressed by students. This allows you to summarize the ideas put forward and find connections between them.

Zakovatli zukko method. Students' ability to think and reason is important in mastering existing knowledge. The "smart" method helps to develop students' quick thinking skills, as well as to determine their thinking speed. The method provides a convenient opportunity for students who want to test their knowledge. They need to be able to answer the teacher's questions as quickly and accurately as possible. Depending on the level of difficulty of the questions, points are awarded for the

correct answer to each question. The method can be used with students individually, in groups and in groups.

Charxpalak method. Charkhpalak technology can be used in all types of training, at the beginning and end of the lesson, after the completion of a section, to assess the level of mastery of the topics covered, to repeat, reinforce, intermediate and final control. Classes can be organized individually or in groups. It also helps in the study of topics of various content and nature, including oral and written forms of work.

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