



## **USE OF INTERACTIVE METHODS IN MATHEMATICS LESSONS**

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### **ABSTRACT**

This article discusses the use of interactive methods in mathematics classes. Another benefit of using interactive methods in mathematics classes is that they provide versatility in teaching methods.

### **KEYWORDS**

Problem, interactive  
methods, thinking,  
Mathematical, individual,  
games.

### **INTRODUCTION**

Interactive methods have emerged as a popular approach to teaching mathematics to students of all ages. These methods use technology and other innovative tools to encourage active participation and critical thinking skills, providing a more effective and student-centered approach to learning. In this article, we will explore the benefits of using interactive methods in math lessons. One of the primary advantages of interactive methods is that they promote "active learning." Active learning is based on the idea that students learn best when they are hands-on with the learning process, and it does so through hands-on activities. For example, visual aids that support conceptual understanding, interactive games, and group activities are effective in encouraging active learning and student engagement. By making the math classroom fun, interactive methods lead to deeper learning, long-term retention, fostering creativity, and problem-solving skills. Another benefit of using interactive methods in math classes is that they provide versatility in instructional styles, allowing teachers to personalize instruction to meet the diverse needs of students. Some students may do better with visual materials, while others may do better with verbal explanations or interactive activities. Using technology that combines audio-visual elements, games, and simulations helps teachers support math learners, thereby promoting understanding and achievement. In general, interactive methods provide versatile learning methods that allow more students to learn mathematics and enjoy the subject. Interactive learning also provides students with immediate feedback, allowing them to solve problems as they arise. Traditional methods rely on reviewing homework, sometimes during teachers' office hours, before learning how students are doing or identifying and addressing learning gaps. However, interactive methods provide immediate feedback, which helps students identify areas of weakness and

correct their mistakes immediately. This allows students to focus conscientiously on their learning while working to improve their performance.

Today, the great creative works in our country, the laws and decisions adopted in the field of education, the great goals set in our "National Program" encourage today's teachers to work harder and search. To have a positive result of these goals, first of all, to thoroughly teach the young generation the basics of scientific knowledge, to create in them a broad worldview and scope of thinking, to effectively organize educational and educational work on the formation of spiritual and moral qualities. is related to After all, creating a bright perspective of the country, spreading its name to the world, showing the national and cultural heritage created by great ancestors to the society, and enriching them depends on educating the young generation as a perfect person and qualified specialist.

According to 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" its essence has been fully revealed. Each stage of the process of training qualified personnel should carry out certain tasks in order to effectively organize the educational process, raise it to higher levels, and bring it to the level of world education.

It is important that the employees of the continuing education system, pedagogues-teachers are aware of the nature of modern educational technologies and their ability to effectively use them in the educational process, as well as the decision of a creative approach to the organization of the educational process.

The educational process makes it possible to express a set of theoretical and practical knowledge on a specific topic that serves to illuminate the content of the educational material. In the content of education, it is also necessary to be able to express the concept, skills and competences that should be mastered by students. After all, the ideological perfection of the educational content is determined by the level of acquisition of certain knowledge, skills and abilities by students. The effect of this is manifested in the development of conditions that ensure the acquisition of certain concepts by students, the formation of skills and qualifications.<sup>1</sup>

In conclusion, it can be said that interactive methods are necessary in today's mathematics classes. They provide students with an engaging, multifaceted learning experience that encourages critical thinking, creativity, and problem-solving skills while providing ongoing student engagement. With immediate feedback and a variety of behavioral supports, teachers can help students learn more effectively, develop a lifelong love of math, and achieve academic success.

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<sup>1</sup> "Science and Education" Scientific Journal Volume 1 Issue 1 Ismoilova Barnoxon