

## THE ROLE OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN QUALITY TEACHING OF MATHEMATICS

Malika M. Tokhirova

Teacher Presidential School In Tashkent Tashkent, Uzbekistan

**ABSTRACT:** This article discusses the role of information and communication technologies in quality teaching of mathematics. Creating all the opportunities for the student to understand and comprehend the topics is very helpful. In order to teach students to be independent people who feel the needs of today, we need to shape their worldview. Today's youth is demanding, interested in different things, wants to receive a lot of information through television, press, computer. Therefore, the teacher may not be seriously prepared for the lesson. The teacher should teach each lesson in an unconventional way.

**KEYWORDS:** Information technologies, communication technologies, opportunities, student, independent people, different things, worldview, unconventional way.

### INTRODUCTION

Today, many new pedagogical technologies have been developed that are non-traditional, convenient and thought-provoking in order to develop students' ability to think independently of mathematical sciences and develop the ability to search for new ideas.

The effective use of these methods is one of the most important tasks facing all teachers today. Learning with the help of information technology contributes to a sharp increase in the effectiveness of student learning in a higher educational institution.

### THE MAIN FINDINGS AND RESULTS

Various training manuals and tools are currently being developed. For example, an educational lesson, a movie lesson, a theater lesson, a drawing lesson, an extended lecture, and so on. These

advanced methods play a very important role in improving the effectiveness of teaching mathematics, the ability of students to think independently.

The use of Internet resources in mathematics lessons encourages students to work independently, because working with different information, its analysis, evaluation is one of the most pressing problems. Creating all the opportunities for the student to understand and comprehend the topics is very helpful. In order to teach students to be independent people who feel the needs of today, we need to shape their worldview. Today's youth is demanding, interested in different things, wants to receive a lot of information through television, press, computer. Therefore, the teacher may not be seriously prepared for the lesson. The teacher should teach each lesson in an unconventional way. The teacher should be so experienced that even the most silent student attends the lesson on his own, joins and takes an active part. To do this, if the teacher uses different methods on each lesson, it is recommended to allow more students to speak. Regularly modeled on television games such as "Zakovat", "Intellectual Ring", "Step-by-step", "Small Group Work", "Business Game" it helps to broaden the horizons of students.

It is very easy to prepare each quiz, crossword or task on the computer. Classes are also productive. Dividing the class into groups and giving each group the opportunity to complete crossword puzzles or additional crossword activity on a regular basis will encourage them to explore and read more. Learning with these methods helps to increase the ability of students to think independently, look into the future, and independently solve any problems. In the process of organizing training based on modern technologies, such features as mood, interests, lifestyle, worldview, thinking, mental and professional abilities of a student who wants to master the subject.

Today, involving students as active participants in the lesson, encouraging them to act, gives very good results. This will be the basis for the work of students as highly qualified personnel. It should be noted that in today's rapidly changing world, it is important to increase the ability of young people to think independently, involve them in greater self-improvement, and use more information technologies in the educational process.

Information and communication technologies also create great opportunities for professional development of teachers in the field of education. These are the creation of reusable educational materials; exchange of teachers via the Internet; students can access study materials at any time;

preparing multimedia materials that make the content understandable; record attendance and growth of participants; providing a stress-free learning system.

The main benefits for teachers are efficient management, storage and maintenance of student work, as well as time savings. Saving time allows you to prepare well for training.

Teachers will have the opportunity not only to update their knowledge, but also to gain theoretical knowledge using the resources of information and communication technologies. Learning communities in education are commonplace. Teachers carry out the process of teaching groups in Web 2.0 through the following programs: Blogs, Youtube, Wikis, Facebook.

Social sites help in professional development in various aspects. Here are some of their benefits. There is always access to the database using information and communication technologies. There will be an opportunity to share experiences with other participants.

They can unite in groups for joint implementation of projects. Save time and money by looking for information in books, magazines and publications. The emergence of educational opportunities through the presentation of videos on the Internet.

The assessment of participants using information and communication technology programs is an assessment of this knowledge, the material taught, and their ability to use technologies such as the Internet, intranet, and CD-ROM. It combines a number of activities. The teacher can send questions in the form of e-mail or letter, information. The student can answer these questions or write a story and send it to the teacher to view online and get a quick response.

### CONCLUSION

Testing can be entered in the online system. There, the participant is evaluated using an automatic scoring system. Various test options can be designed to assess students. Interactive assignments can be one of the most effective assessment options. Proper assessment of students contributes to the quality of education.

### REFERENCES

1. Ulugov, B. D., Nurmatov, F., & Durmonova, S. (2021). The effectiveness of the use of Ict in the teaching of general engineering in universities in Uzbekistan. *Annals of the Romanian Society for Cell Biology*, 4038-4056.
2. Makhmudova, D. M., Tadjibaev, B. R., Kholboevna, G., & Yuldasheva, G. T. (2020). Information and communication technologies for developing creative competence in the

process of open teaching physics and maths. International Journal of Psychosocial Rehabilitation, 24(09)..

3. Muradillovich, I. U., Tanzilovch, O. K., Anvarovich, A. A., & Baxodirovna, S. I. (2020). Improvement of teaching methodology by using modeling programs of engineering education in higher education of uzbekistan. Journal of Critical Reviews, 7(14), 81-88.
4. Rokhatalievna, A. N., & Kadiralievich, A. A. (2022). DIDACTIC FOUNDATIONS OF IMPROVING THE CREATIVE ACTIVITY OF FUTURE MATHEMATICS TEACHERS BY MEANS OF INFORMATION AND COMMUNICATION TECHNOLOGIES. Emergent: Journal of Educational Discoveries and Lifelong Learning (EJEDL), 3(07), 22-26.
5. Shavkatovna, S. G. (2022). IMPROVING THE USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN TEACHING THE SUBJECT OF FUNCTIONS IN SECONDARY SCHOOLS. World Bulletin of Management and Law, 9, 96-97.