



## The Role Of Digital Technologies In Reform Of The Education System

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### ABSTRACT

This article discusses changes in the education system, effective means in this process. In addition, the educational process introduces various forms of digital technology, as well as the conveniences in the application of these technologies.

### KEYWORDS

Digital technology, online, educational, process, text, animation, educational process, presentation, education, knowledge, integration, problem education, modern education, interactive, innovation.

### INTRODUCTION

In the information age, teachers have a key role to play in shaping the state's innovation capacity. Such an important task can be solved only by a teacher who is well versed in modern pedagogical and information technologies,

constantly working on himself, improving his knowledge, skills and abilities, taking a creative approach to his work.

At a time when education is booming, education is not standing still. Nowadays, the traditional forms of education have been replaced by non-traditional forms of education: integrated lessons, observation lessons, problem-solving. Classes organized through such forms of education are enjoyed by students, arouse their interest and give them a lot of news.

Modern education sets goals for the student: to acquire knowledge freely, to know how to interact with different people in different situations, and at the same time to feel free and confident. Therefore, the communicative technology of education is innovative in the process.

The educational process is a set of student-teacher interactions aimed at achieving a set goal and changing the individual qualities of students.

All of the above elements play an important role in achieving good results in the educational process. One of them is educational tools. The role of educational tools in educating the younger generation is invaluable. It is no exaggeration to say that digital technology is the main tool of education today. Because in this age of technology, it is impossible to imagine the educational process without digital technologies. Digital technologies not only help students develop knowledge, skills, competencies and competencies, but also facilitate the work of the teacher.

### **MATERIALS AND METHODS**

Digital technology in education is one way to create a modern learning environment based on digital technology.

In order for a student to develop his knowledge, skills and abilities, it is necessary to organize his activities properly. There is no development in the process of poor comprehension of the material. For example, no matter how many pages a child reads, if he does not remember the numbers, he will not be able to learn to make examples from them, he will not develop any problem-solving skills. The student's own actions will be the basis for the development of his / her abilities in the future. Therefore, the task of education is to create situations that motivate students to action. In short, teachers need to create a special learning environment that helps each student form individual tools and methods to solve tasks correctly in different situations. This, in turn, is one of the most important issues in the technology of achieving the results set by the education system.

Elementary students are distracted and often have difficulty concentrating. However, the student's attention is enhanced when he or she is given the opportunity to change any object on the board, electronic shapes, notes, color, size, shape. For example, the use of computers, projectors, and whiteboards in mathematics lessons increases children's interest in lessons and increases the activity of the educational process. The sheer volume of information does not weigh on students. Because the process allows for active reading as a game. An electronic whiteboard is an effective tool for making elementary math teaching a visual, colorful, and interesting process. Digital technologies are very important in the development of the educational process.

It is well known that today the use of digital technologies is a basic requirement in many

areas. This, in turn, is important for education. Now, with the help of digital technologies, teachers can present materials more effectively, so the teaching opportunities are significantly expanded and the quality of education is improved.

Today, teachers can interact with colleagues, other institutions, and schools around the world. They have the opportunity to participate in webinars, video conferences, online chats.

In our daily lives, digital technologies are evolving at a tremendous rate. The activities of many industries are moving to digital systems: hospitals, catering establishments, educational institutions and so on. Specialists are increasingly working to convert the school curriculum into electronic form. In the process of implementing this idea, not only the education system but also its meaning and purpose will change.

It will be interesting and effective for students and teachers to organize and conduct the educational process in a classroom equipped with information and communication devices.

Digital technologies - the collection of information in the interests of the user, consists of a set of combined methods, production processes, and software and hardware for editing, storage, distribution, and use.

According to scientists, the use of digital technologies in education should be aimed at:

- To ensure and develop the structure of students' thinking;

- Support all types of student cognitive activities in the development and strengthening of knowledge, skills and competencies;
- Implementation of the principle of individualization of the educational process while maintaining the integrity of the educational process.

Digital technologies can be categorized according to a number of indicators of educational tools:

1. On pedagogical issues:

- a) Basic training tools: e-textbooks, educational systems, knowledge control systems;
- b) Practical training tools: problem sets, digital technologies, virtual constructors;
- c) Auxiliary means: literature, developmental computer games, multimedia video lessons;

2. On the organization of the educational process:

- a) Information-educational resources;
- b) Interactive;

The education system is independent of digital technologies because it implies work, students understand that they should strive for knowledge from a young age, to achieve it with their own strength, hard work. Such digitalization of the education system will further strengthen the ability of students to think independently in the future.

## CONCLUSION

Studies show that color images help people remember information better. It also contributes to the development of creative abilities. Therefore, the colorful presentation of learning materials through digital technologies not only stimulates students' curiosity, but also allows them to better remember information. This, in turn, will contribute to improving the quality of education. After all, every change and innovation in the educational process is aimed at bringing up the younger generation in a comprehensive and harmonious way!

In conclusion, the use of digital technologies helps to increase the interest and positive motivation of students, as the maximum consideration of individual learning opportunities and needs of students, a wide range of opportunities to choose the content, forms of training, revealing students' creative potential, helping students master modern information technology. The possibilities of digital technology can be used to organize digital learning resources, individual tests and distance learning.

## REFERENCES

1. ogli, Yarashov Mardon Jobir; ,THE IMPORTANCE OF USING DIGITAL TECHNOLOGY IN PRIMARY SCHOOL MATHEMATICS EDUCATION,ACADEMICIA,1,11,5,2021,ACADEMICIA: An International Multidisciplinary Research Journal
2. Косимов Ф. М., Ярашов М. Ж. ТВОРЧЕСКИЕ САМОСТОЯТЕЛЬНЫЕ РАБОТЫ НА УРОКАХ МАТЕМАТИКИ В НАЧАЛЬНЫХ КЛАССАХ //ИННОВАЦИОННЫЙ ПОТЕНЦИАЛ РАЗВИТИЯ НАУКИ В СОВРЕМЕННОМ МИРЕ: ДОСТИЖЕНИЯ И ИННОВАЦИИ. – 2020. – С. 178-181.
3. Yunus Y. S. Methodology Of Teaching Assignments To Work With Non-Standard Solution In Primary School Mathematics Education //The American Journal of Social Science and Education Innovations. – 2021. – Т. 3. – №. 02. – С. 439-446.
4. Саидова Г. Э. Ситуация свободного выбора на уроках математики в начальных классах //Вестник науки и образования. – 2019. – №. 7-3 (61).
5. Jumayev M.E, Boshlang'ich sinflarda matematika o`qitish metodikasidan praktikum. (O O`Y uchun ) Toshkent. "O`qituvchi" 2004 yil
6. Xoliqulovich J. R. Toponymics-a Linguistic Phenomenon in The Work of Sadridin Aini //Middle European Scientific Bulletin. – 2021. – Т. 8.
7. Yo'ldashev J. G., Usmonov S.A. Zamonaviy pedagogik texnologiyalarni amaliyotga joriy qilish. – T: Fan va texnologiya, 2008.
8. Adizova N. B. RHYME, RHYTHM IN FUN GENRE //Theoretical & Applied Science. – 2019. – №. 10. – С. 65-67.
9. Raximqulovich, Ismatov Sobirjon; ,METHODS OF WORKING WITH TEXT IN LITERARY READING LESSONS IN ELEMENTARY SCHOOL,EPR International Journal of Multidisciplinary Research,1,,345-347,2020,EPR Publishing

10. Rustamova G. B. THE INTERPRETATION OF THE WILLOW IMAGE IN UZBEK FOLKLORE //ЛУЧШАЯ НАУЧНАЯ СТАТЬЯ 2020. – 2020. – С. 53-57.
11. Yusufzoda, Shabnam. "Organization of independent work of students in mathematics." Bridge to science: research works. 2019.
12. YARASHOV M. BOSHLANG 'ICH SINF МАТЕМАТИКА ТА'LIMINI IJODIY TASHKIL ETISHDA TA'LIM TAMOYILLARINING O 'RNI //ЦЕНТР НАУЧНЫХ ПУБЛИКАЦИЙ. – 2020. – Т. 1. – №. 1.
13. YUSUFZODA S. O 'QUVCHI MANTIQIY TAFAKKURINI SHAKLLANTIRISH OMILLARI //ЦЕНТР НАУЧНЫХ ПУБЛИКАЦИЙ. – 2020. – Т. 1. – №. 1.
14. Olloqova M. O. Intensive education and linguistic competence in mother tongue //ACADEMICIA: AN INTERNATIONAL MULTIDISCIPLINARY RESEARCH JOURNAL. – 2021. – Т. 11. – №. 1. – С. 580-587.
15. Хамраев А. Моделирование деятельности учителя при проектировании творческой деятельности учащихся //Педагогічні інновації: ідеї, реалії, перспективи. – 2018. – №. 2. – С. 23-26.
16. Yunus Y. S. DEVELOPMENT OF LOGICAL THINKING IN MATHEMATICS LESSONS AS THE BASIS FOR IMPROVING THE QUALITY OF THE EDUCATIONAL PROCESS.
17. Yunus Y. S. et al. Use of innovative technologies in improving the efficiency of primary school students //Middle European Scientific Bulletin. – 2021. – Т. 11. – №. 1.
18. YUSUFZODA S. O 'QUVCHI MANTIQIY TAFAKKURINI SHAKLLANTIRISH OMILLARI //ЦЕНТР НАУЧНЫХ ПУБЛИКАЦИЙ. – 2020. – Т. 1. – №. 1.