



DOI: **10.5958/2249-7137.2021.00181.6**

THE IMPORTANCE OF USING DIGITAL TECHNOLOGY IN PRIMARY SCHOOL MATHEMATICS EDUCATION

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ABSTRACT

This article discusses the advantages and opportunities of digital technologies in the education system. It has been said that high efficiency can be achieved through the organization of education through digital technologies. One of the important achievements of the lesson process was the creation of software tools that make use of the components of computer technology. Especially in the organization of the educational process, these programming tools are of particular importance. The role of Information Technology in our present time, where there are updates, economic and social developments at every step, is incomparable. There are huge changes, especially in the field of Education.

KEYWORDS: Digital Technology, Education, E-Textbook, E-Software, Computer, Internet, Digital Education, Independent Study, Presentation, Video File.

INTRODUCTION

Today we all know that the concept of the 'digital economy' has become one of the most pressing issue in the world. At the same time, our national economy is very needy to modern specialists with deep knowledge and skills in the field of information technology, who can use them effectively. We all need to work hard to achieve this goal with a deep understanding of the issue. If we do not start it today, it will be late tomorrow". said Mirziyoyev Sh. M.

Having digital technologies in the educational system plays a special role in solving the problem of providing the economy with personnel. After all, the digital vision of the whole industry is becoming an important part of our lives, which is why teaching students through digital technology is an important factor in the training of cadres at the talabi level of today's era. For this, of course, in the educational process, it is necessary to use modern information technologies.

Today, the teacher is assigned a responsible task as an adult, educating a harmonious generation. And this requires the determination of tasks aimed at improving the content of education, being in harmony with the Times and having introduced modern technologies of education, students are required to be interested in their science, to formulate a sense of respect.

The achievement of positive results in education is determined primarily by careful teaching of the basis of scientific knowledge to the younger generation, expansion of the scope of worldview and thinking in them, effective organization of educational-educational work on the formation of moral and moral qualities. In this regard, many changes are being made to the educational process, new comrades are being introduced. One of these is the achievement of increasing the effectiveness of training in the transition to a course using information and communication technologies.

In the "national program of Personnel Training" of the Republic of Uzbekistan, the issue of strengthening the material technical and information base of educational institutions, providing the educational process with high-quality educational literature and advanced pedagogical technologies, informatization of the system of continuous education was emphasized. Proceeding from this, the introduction of information and communication technologies into the educational process is a period demand. To increase the interest of students in the sciences, to develop their mental and creative thinking, intellectual abilities, to ensure interdependence in science, is one of the important tasks of today's pedagogy. The organization of classes on the basis of advanced pedagogical technologies, teaching students to operate independently, rational use of the opportunities of information technology, improving the quality of mastering the subject in the teaching is a priority task. In this regard, different methods are also used in the teaching of primary education. One of them is the use of modern information technology.

The rapid development of modern information technologies, rapid entry into the sphere of education, the importance of which is important in our lives, also necessitates the appropriate formation of our knowledge and skills in this regard. Therefore, in the primary classes it was recommended to pass a course using a computer. One of the important achievements of the lesson process was the creation of software tools that make use of the components of computer technology. Especially in the organization of the educational process, these programming tools are of particular importance. The convenience of electronic handsets is that they are created using software tools such as Macromedia Flash, GIF Animation, Microsoft Front Page, Adobe Photoshop, 3D Max, Microsoft Power Point. Because they allow you to create moving, colorful, sound images. This will help elementary school students to quickly understand the topic, improve the quality of their mastering.

Electronic textbooks, manuals and presentations created for Primary School students are widely used in the educational process. With the help of Information Technology in the teaching of Reading, native language, mathematics and Natural Science, a variety of visual slides can be used in the course processes. For example:

- reading and reading letters on the big screen in native language subjects, adding words to each other, then reading small fairy tales and stories, writing letters correctly and beautifully;
- solving issues with the help of slides, using simple actions in mathematics, organizing various computational games or assignments in the style of play;

- it is possible to give concepts from natural science with the help of simple slides about phenomena in nature. It also provides an opportunity to demonstrate the animated appearance of natural phenomena.

The use of these methods will be an impetus for the development of oral speech of an age-old and knowledge-hungry student, an increase in verbal computing skills, the development of creativity, research and thinking skills.

The use of electronic presentations as a demonstration and visual material in the lesson is of great help to the teacher. The provision of instructional material in the form of animations in an electronic presentation will facilitate the understanding of the subject and increase visibility. Slides made in the presentation can also be given to the readers as a distribution material. Electronic textbooks can be used in independent learning and effective mastering of all aspects of instructional materials. In the electronic textbook, educational materials of the subject are used to the reader in interactive ways, with appropriate psychological and pedagogical aspects, modern information technologies, opportunities for audio and video animations.

The use of presentations, video graphs in the lesson allows the following:

- better implementation of the principles of visibility and accessibility in the process of teaching, teaching;
- more effective and interesting use of time;
- creation of problematic situations in which students experience cognitive activity;
- acquisition of basic knowledge on the subject;
- systematization of acquired knowledge;
- formation of self - management skills;
- formation of learning motivation;

In our country there are electronic lessons of Reading, native language, mathematics and Natural Sciences, that is, Multimedia for students of 1-4 classes. Electronic textbooks are given in the form of text and sound, the video file is visible. The interoperability of Audio and video information dramatically increases the effectiveness of training. Multimedia is prepared on the basis of the topics given in the curriculum, so that at the time of 45 minutes of the lesson to 12 minutes of the lesson the students will be able to pass the lesson. This once again shows how effective digital technologies are in education.

Electronic programs such as “learn to count”, “alphabet lessons”, “Aljabr”, “5x5” , created by the Republican Educational Center for Primary School students are important because of their interest, compatibility with the age of the students, simplicity for use, development of potential, students can use independently and motivate them to think logically.

“Learn to count ” is an electronic educational tool in mathematics for Primary School students. Through this electronic course work, students of primary classes will formulate the ability to use the computer's “mouse” device together with the formation of 4 practice skills.

"Lessons of the alphabet" -is a program for teaching the Alphabet, designed for students of the 1st Class. The advantage of the program is that it helps to grow the verbal and written speech of

students (to pronounce and write the letter, to learn the names of things that begin with this letter). Also, after the study of the letters, a picture is given for the purpose of reinforcement. The given checkbox is explained by compiling the name of the thing in the picture. It is here that the writing skills of the student through the computer are formulated, he is also taught to work with the test. In addition, the skills of using information communication technologies are formed.

"Aljabr" is an application designed to be used in mathematics lessons of the 1st Class. Through the program, students learn to perform numbering, sorting, addition and subtraction operations, comparison within 10. The program allows the reader to master the automatic level of oral sample solution. Also serves to develop independent working skills.

"5x5 " is a program that is designed to be used in 2-th grade mathematics lessons and teaches the multiplication table. In the repetition part of the program, the computer itself teaches the order from 2 to 9 decimal table. In the exam section, the reader independently develops the table. It is noteworthy that the fact that one room does not pass without performing the other, forces the reader to work on himself. We can say that the program is a real assistant to the teacher. Because, 30-40% of the class students face difficulty in learning the multiplication table. The program guarantees those students the automatic learning of the multiplication table. Today, the demand for the teacher consists in the fact that in the process of lessons he can use information technology, teach students to use the computer freely, acquire modern knowledge, become a spiritually mature person.

The role of Information Technology in our present time, where there are updates, economic and social developments at every step, is incomparable. There are huge changes, especially in the field of Education. Dear Priezident Sh.M.As Mirziyoyev said in his appeal to the Oliy Majlis: "we need to give our youth a decent education and realize their aspirations for science. To this end, we need to develop the system of preschool education, radically improve the material and technical base of secondary and higher educational institutions, the quality of scientific and educational processes."

In fact, if we raise the quality of education, in the near future it will not remain without its fruit. There are many different ways to do this. Using the experience of developed countries, we need to improve our educational process in a situation that is not limited to our nationality. One of the necessary conditions for this is the use of digital technologies in the educational process. In 2017, the Ministry of information technologies built 2300 km fiber optic networks in the regions of our country and attracted 5.7 million dollars. This in turn serves to strengthen the material technical base of higher educational institutions and radically improve the quality of training of highly qualified specialists.

The use of digital technologies makes it possible to:

- increase the motivation of learning;
- For individual activity;
- Formation of information competence;
- For creative freedom;
- For interactivity of training.

What is the original content of digital technology itself? The question "technology" is derived from the Greek words "techne"-art, skill and logos - doctrine, meaning science about art, doctrine. Computer memory is a set of special electronic circuits, each of which consists of a combination of zero and one information is retained. That is why this type of technology is called digital technology. In addition to being the basis of the computer, digital technology is the backbone of the Internet, which is the basis of modern life. The Internet is a world global computer network operating on the basis of a single standard. Its name means "networklararo". How will it be if we enter the same Internet in the course of the lesson? Along with quickly searching for any necessary information via WiFi, it is also possible to conduct various discussions in the group. In addition, through the program "Imo" on the Internet, the foreign professor standing in any part of the world, the reader can put any person with an exchange of views. Information technologies used in distance learning can be divided into the following three groups:

- providing educational information;
- Transmission of educational information;
- Storage and processing of educational information.

Together they form distance learning technologies. Over time, digital technology has developed and reached its current state. In such a situation, digital technologies have become an integral part of our lives.

The application of computer technology in education allows to carry out the following:

- The student - will be able to acquire knowledge of the youth;
- enrich the content of the teaching, personalize the acquisition of knowledge;
- will be able to model the knowledge of the students and teach them independence;
- Ability to use all kinds of educational tool seksextiradi;
- with the help of a computer, he will be able to check his knowledge, determine the mistakes he made and teach them to look for ways to get rid of them, etc. World experience shows that whichever country pays great attention to education, then of course the economic upsurge will be so.

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