

## **METHODS TO IMPROVE THE QUALITY AND EFFECTIVENESS OF PRIMARY EDUCATION USING INTERACTIVE COMPUTER TECHNOLOGY**

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**Annotation:** Today, for primary general education, the priority is the formation of general educational skills among students. The level of their development also determines to a large extent the success of all subsequent training.

**Keywords:** interactive, interesting, multimedia, presentations, individual characteristics, effectively develop.

### **Introduction**

Our century is the century of high computer technology. The term “active teaching methods and forms” unites a group of pedagogical technologies that achieve a high level of student learning activity. A modern child lives in a world of electronic culture. The role of the teacher in the information culture is also changing - he should become the coordinator of the information flow. Consequently, the teacher needs to master modern methods and new educational technologies in order to communicate in the same language with the child. A computer today is a powerful tool for obtaining and processing information.

Possession of information technology is placed in the modern world on a par with such qualities as the ability to read and write. A person who skillfully, effectively owns technology and information, has a different, new style of thinking, has a fundamentally different approach to assessing the problem that has arisen, to organizing his activities. Currently, a new education system is being established in Uzbekistan.

Today, a new unit — the computer — is being introduced into the traditional “teacher – student – textbook” scheme, and computer learning is introduced into the school consciousness. One of the main parts of the informatization of education is the use of information technology in educational disciplines.

Information technology penetrates deeper into human life, and information competence increasingly determines the level of his education. Therefore, it is necessary to develop an information culture from elementary school, because an elementary school is the foundation of education, the success of a student and then a graduate in the modern world who will live and work in the current millennium in a post-industrial society depends on what this foundation will be. He must be able to independently, actively act, make decisions, flexibly adapt to changing living conditions.

A lesson using information technology becomes more interesting for students, the consequence of which, as a rule, is a more effective assimilation of knowledge, and the level of visibility in the lesson improves.

For a teacher, a computer is no longer a luxury - it is a necessity.

Indeed, right now, the teacher had the opportunity, together with the students, to immerse themselves in the bright colorful world of knowledge, not only by pushing the walls of the classroom with imagination, but also using ICT resources.

Lessons mathematics using ICT - this, in my opinion, is one of the most important results of innovative work in our school. In almost any school subject, computer technology can be applied. One thing is important - to find the line that will make the lesson truly developing and informative. Students using the example of a teacher should know that a computer - a smart machine is not only for games. Using a computer, you can get a lot of interesting information, create books, newspapers, new teaching aids, programs, write letters, essays, etc.

First of all, these are computer technologies that have immense opportunities in terms of rationalizing educational activities and stimulating the cognitive interests of children. Communicating with a computer, children want to learn how to draw, write, look for information of interest to them, use CDs and the Internet. In order for the elementary school student to be able to use the computer as an educational assistant in accordance with his desires, we must take care of the versatility of his user skills. Children have the right to use modern means of labor today.

One of the most successful forms of preparation and presentation of educational material for lessons in elementary school is the creation of multimedia presentations. In class 2, I spent several lessons, master classes, in which I showed the children how to create an elementary presentation in Microsoft Power Point. They became interested and began to create not so much the simplest presentations for the lessons of the world, the Russian language. Then I introduced them to animation, the ability to insert sound — and the presentations went to a different level. Even parents became interested. Today, when my children are in 4th grade, we have a collection of presentations in all subjects. Children with great pleasure are preparing for the lessons of the world and are happy to answer them. In reading lessons, students draw drawings for poems they read, and then create filmstrips in the Power Point program.

Computer support allows you to take into account the individual characteristics of students and enhance the educational process, as well as provides the opportunity to combine different means and expands the possibility of presenting educational information. So, the program in mathematics allows you to quickly and efficiently develop oral computing skills, work with geometric material and arithmetic values. I use a computer in the lessons when

studying the world, in the lessons of computer science, mathematics, the Russian language in the development of basic knowledge, skills.

For example, while developing knowledge in Russian, I use the interactive tests “Determine the declension of nouns,” “Insert a letter,” etc. Performing such a test is of great interest to the guys, and most importantly, the student immediately gets the result. The program itself puts a mark for implementation. Here it is - an independent examination.

Modern psychologists, didactic educators, defining the educational culture of a person, identify key competencies that are characterized by knowledge, mastered methods of activity and experience in carrying out this activity, positive motivation, personal qualities that contribute to effective problem solving. One of the main key competencies of a student is the educational, cognitive and informational competency.

It is very important to teach a child how to work with information today. You can get it from various sources - from a textbook, from a teacher, from additional literature, from the media. Now there are multimedia encyclopedias. It is important to teach the student to choose the necessary specific information, to direct students to search for the necessary information, for which it is necessary to teach them how to use the search program, work in multimedia programs.

I believe that already in elementary school it is possible and necessary to use elements of design technology that allows you to create conditions under which students independently and willingly acquire knowledge from different sources, learn to use the acquired knowledge to solve cognitive and practical problems, acquire communicative skills in working in various groups, develop research skills, systems thinking. The project method of teaching encourages students to search and fill out the information collected, to gain the ability to collaborate in a group, teaches how to negotiate, distribute responsibilities, put forward ideas, draw conclusions.

I consider project training as developing, based on the consistent implementation of complex educational projects and giving the opportunity to pause for information search in order to master basic theoretical knowledge.

First, the use of ICT in the classroom enhances the positive motivation for learning, activates the cognitive activity of students.

Secondly, the use of ICT allows you to conduct lessons at a high aesthetic and emotional level; provides visibility, attracting a large amount of didactic material.

Thirdly, the volume of work performed in the lesson is increased by 1.5-2 times; a high degree of differentiation of education is ensured (almost individualization).

Fourth, the possibility of independent activity is expanding; genuine research activities are being formed.

Fifthly, access to various reference systems, electronic libraries, and other information resources is provided.

And all together, of course, helps to improve the quality of education

So, I was convinced that with the use of ICT in the lessons, the educational process is aimed at developing logical and critical thinking, imagination, and independence. Children are interested, involved in a creative search; the mental activity of everyone is activated. The process becomes not boring, monotonous, but creative. And the emotional background of the lesson becomes more favorable, which is very important for the educational activities of the child.

But do not get carried away immensely in computer resources. Indeed, the ill-conceived use of a computer affects children's health. The continuous duration of classes with a PC should not exceed for students: 1 class - 10 minutes; 2 - 5 classes - 15 minutes.

One must always remember that ICT is not a goal, but a learning tool. Computerization should concern only that part of the educational process where it is really necessary.

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