APPLICATION OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN THE PROCESS OF EDUCATIONAL WORK IN THE PRIMARY SCHOOL

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Annotation: The article deals with the use of information and communication technologies in the process of educational work in the primary school and the conditions for further improvement of modern education using information and communication technologies in the primary education. Innovative educational technology is a combination of increasing the efficiency of the educational process and improving existing methods and means to create conditions for educational activities that best meet modern trends in socio-economic development, methodology for organizing educational activities.

Key words: computer, information and communication technologies, primary education, educational process, innovation, multimedia.

ПРИМЕНЕНИЕ СРЕДСТВ ИНФОРМАЦИОННО-КОММУНИКАЦИОННЫХ ТЕХНОЛОГИЙ В ПРОЦЕССЕ ВОСПИТАТЕЛЬНОЙ РАБОТЫ В НАЧАЛЬНОЙ ШКОЛЕ

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Аннотация: В статье говорится об использовании информационно-коммуникационных технологий в процессе воспитательной работы в начальных классах и условиях дальнейшего совершенствования современного образования с использованием информационно-коммуникационных технологий в начальных классах. Инновационная образовательная технология представляет собой совокупность повышения эффективности образовательного процесса и совершенствования существующих методов и средств, для создания условий образовательной деятельности, максимально отвечающих современным тенденциям социально-экономического развития, методологии организации образовательной деятельности.

Ключевые слова: компьютер, информационно-коммуникационные

технологии, начальное образование, образовательный процесс, инновация, мультимедиа.

AXBOROT-KOMMUNIKATSION TEXNOLOGIYALARINI BOSHLANG'ICH SINFLARDA TA'LIM ISHLARI JARAYONIDA QO'LLANISH

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Annotatsiya: Maqolada boshlang'ich sinflarda o'quv-tarbiyaviy ishlar jarayonida axborot-kommunikatsiya texnologiyalaridan foydalanish va boshlang'ich sinflarda axborot-kommunikatsiya texnologiyalarinan foydalangan holda zamonaviy ta'limni yanada oshirish shartlari haqida so'z boradi. Innovatsion ta'lim texnologiyasi - bu o'quv jarayoni samaradorligini oshirish va ijtimoiy-iqtisodiy rivojlanishning zamonaviy tendentsiyalariga, ta'lim faoliyatini tashkil etish metodologiyasiga eng yaxshi javob beradigan ta'lim faoliyati uchun shart-sharoit yaratish uchun mavjud usul va vositalarni takomillashtirishning kombinatsiyasi hisoblanadi.

Kalit so'zlar: kompyuter, axborot - kommunikatsiya texnologiyalari, boshlang'ich ta'lim, o'quv jarayoni, innovatsiyalar, multimedia.

Introduction. The modern world is a world with a computer. Today, the interest of teachers in the use of interactive methods and information technologies in the educational process is growing. To ensure visibility, beauty and aesthetic design of the lesson, we use information and communication technologies. And so every day the teacher is faced with a computer.

The concept of development of the system of public education of the Republic of Uzbekistan until 2030 provides for: improving the teaching methods, phased introduction of the principles of individualization into the educational process; introduction of modern information and communication technologies and innovative projects in the field of public education [1].

Currently, educational institutions based on modern computer, information and communication technologies require a new approach to the activities of teachers. The great advantages of information and communication technologies in the classroom are to attract the attention of children, to include the maximum activity of students, to develop speech, visual memory, auditory memory and thinking, based on these advantages, you can conduct lessons at a high level and achieve all the goals of the lesson.

President of our country Sh.M. Mirziyoyev: "Now we are working on all levels of the education and training system. We know improvement based on

their requirements is our top priority" [2].

Increasing the effectiveness of education today, innovative education and information communications in the educational process application of technologies, development of foreign experience and their it is important to direct activities. The flow of information is an important factor in the development of modern society.

The modern world of teachers and students is difficult to imagine without a computer, interactive whiteboard, video camera and various information media. Videos, animations, sound effects and audiovisuals are part of our lives and help to deliver interesting lessons at a high level. It also affects the effectiveness of the goals in terms of education [10].

The goals of using information and communication technologies in the classroom in the work of a teacher in the process of educational work are:

-development of the ability of free cultural communication, effective communication of a modern teacher with students;

- improving the educational process, computer skills and intellectual and creative activity;

- introduction of information and communication technologies tools in social and educational work;

- development of mindfulness, outlook, worldview and creative activity of students;

- formation of constructive interaction and mutual understanding;

- comprehensive development of students [3].

One of the areas of application of information technologies in the educational process of the school are: the development of methodological and didactic materials. The learning platforms created by teachers are modern, relevant and interesting.

Education in the modern world is a promising direction, because every day information technologies penetrate into all areas of activity.

For example: on the Bilimland platform, the structure and format of the course, the competencies formed, as well as video lessons and notes are described in detail.

After reading the description of the lesson, the complexity, duration and format, watching the introductory video, I wanted to suggest that teachers include these videos in their lessons. The creators have worked on the platform and picked up easy topics and tasks to make learning easy and interesting for students. Form of material presentation: short videos with presentations and interactive tasks.

Learning platforms are now modern, professional and fun. The study of each topic begins with watching a short video in which the author announces the topic to be studied during the year. Basic topics with video tutorials and

presentations on each topic [8].

In parallel with the study of topics, the listener is given the opportunity to see the lesson. And children visually remember these lessons. They also create pedagogical tools in which the technology of its study and the implementation of various types of educational activities are implemented.

The typology of pedagogical software used in education is very diverse: teaching, simulators, diagnosing, controlling, modeling, gaming. From practice, one can understand that the use of information technology is an integral part, without which it is not interesting to conduct lessons, where the computer is an important part of the lesson.

The most widely used at the moment are integrated lessons using multimedia tools. Multimedia plays an important role during the lesson. Educational presentations and didactic materials become an integral part of the training. The use of multimedia technologies in education has advantages over traditional teaching:

- use of color graphics, animation, sound accompaniment, hypertext;
- the possibility of constant updating;
- the possibility of placing interactive elements in it;
- allows for the possibility of non-linear passage of the material due to the multitude of hyperlinks [4].

The preparation of teachers for innovative processes and innovative activities in the education system is a unique pedagogical problem, which is based on the teacher's desire for professional development, understanding the significance of innovative areas, the content of changes and innovations.

Advanced pedagogical technologies help the teacher to express himself more deeply and individually in pedagogical activity, to reveal all the good that is in his personality, professionalism in dealing with students.

Pedagogical innovation activity consists in the dissemination of innovations that lead to the transition of the learning system from one state to another. The search for the most effective forms, means, methods, techniques of innovative education occurs as a result of the creation of new ideas. Therefore, innovation is an important element in the evolution of education.

In our time, computer literacy has become an important feature of culture, has become a necessity for every person, no matter where he works. Therefore, in the educational process, in particular, in higher educational institutions, the teaching of the science of information technology based on the requirements of the time has become a hot topic. This article is devoted to the issue of teaching information technology based on SMART technologies in higher educational institutions [5].

Prerequisites for engineering thinking are formed in children of senior preschool age, they get ideas about initial modeling, scientific and technical

creativity if an appropriate developing educational environment is created by introducing innovative educational technologies.

In this regard, the formation of technical thinking in preschool children, the development of research, engineering and design skills are becoming relevant. An effective tool for developing the technological competence of future engineering personnel within the walls of a modern preschool institution is STEAM – education [6].

This abbreviation includes – S – science – естественные науки T – technology – технология E – engineering – инженерное искусство A – art – искусство, творчество M – mathematics - математика

The advantages of using modern information technologies in the educational process are obvious. They contribute to the improvement of practical skills and abilities; allow you to effectively organize the learning process; increase students' interest in the subject; activate the cognitive activity of students.

STEM is a comprehensive education that simultaneously includes the study of the basic principles of the exact sciences. These include science, technology, engineering, and mathematics. Children learn to see the interconnection of ongoing events, begin to understand the principles of logic better, and discover something new and original in the process of creating their own models.

Advantages:

- curiosity develops;

- engineering skills are developed;

- the qualities necessary for working in a team are acquired;

- learn to analyze the results of the activities carried out;

- contributes to the best cognitive activity of the preschooler [7].

The guide includes the following games:

"S" - (science) - The game "What do I know?"

Purpose: To exercise children in the ability to ask a question; consolidate knowledge about signs and their meanings.

Game "Yes – No"

Purpose: To exercise children in the ability to classify objects by features, to teach them to structure information on their own, to discard unnecessary parameters, to narrow the search field.

"T" - (technology) - Game "Route"

Purpose: Development of coordination of movements, orientation in space, development of memory, attention.

"E" - (engineering) - Pattern Folding Game

Purpose: Development of the ability to design according to the model; dictionary activation; development of fine motor skills.

"M" - (mathematics) - The game "Nikitin's Cubes"

Purpose: Development of independence in decision-making; development of logical thinking [9].

The use of interactive methods and educational games, modern information and communication technologies in elementary school helps students to think independently, expand the scope of creative search and logical thinking, and also connect them with what they study in the lesson, increase their interest. The effective use of the conditions created by teachers on the basis of such modern requirements, the organization of lessons based on advanced pedagogical and information and communication technologies guarantees the quality of the educational process.

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