

THE IMPORTANCE OF IMPROVING THE USE OF THE MEANS OF INFORMATION TECHNOLOGY IN THE TEACHING OF NATURAL SCIENCES IN ELEMENTARY GRADES

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Annotation: The article describes modern educational technologies for improving the effective use of Information Technology in the process of teaching Natural Sciences in primary classes, identifying the possibilities of Information Technology in teaching Natural Sciences, increasing students' interest in science, analyzing facts and continuity of knowledge in various educational disciplines studying problems related to natural sciences.

Base words: natural sciences, school, education, information technology, use, interactive method, ecological worldview, teaching, upbringing, attitude, explanation, Teacher, Primary class.

Nowadays, the interest in the use of interactive methods and information technologies in teaching in the educational process is increasing day by day. One of the reasons for this to happen is that until then, in traditional education, students were taught to acquire only ready-made knowledge, while the use of modern technologies teaches them to search for the knowledge they are acquiring, to learn independently and think, analyze, even to bring up the final conclusions themselves. The teacher creates conditions for the development, formation, knowledge and upbringing of the individual in this process, and at the same time performs the function of stewardship, orientation.

The main purpose of teaching Natural Sciences in primary education is to teach each child to master and use a very large amount of information in a short period of time. This means that the combination of traditional teaching methods and modern information technology, including computer technology, can help the teacher solve this difficult task. At present, the teacher is assigned the responsible task of raising and raising a competent generation, setting tasks aimed at improving the content of Education, Keeping Up With The Times and developing an interest in his science in students with the introduction of modern educational materials by interactive methods to the student, psychological and pedagogical aspects, modern Information Technology, Audio and video animation opportunities are The effective use of Information Technology in the education system in the schools of our country in the teaching of general education is an urgent issue.

It is information technology that is considered a universal tool of Education, which allows not only to form knowledge, skills and qualifications in students, but also to develop personal characteristics, satisfy their interest in knowledge. An obvious example of this is the rapid development of ICT today by the transition of all higher education institutions to the credit - module, and schools to the Daily com system. In our republic, great work is being carried out in the direction of informatization and the use of Information Technology in the educational process. The education law adopted by our state describes the fundamental essence of this program. Because the use of modern teaching technologies in the course of the lesson gives great

positive results. It should also be noted that computer modeling effectively saves lesson time, facilitating the teacher's lesson preparation process. In natural sciences, animation is understood by us as a model in which it is possible to reflect a natural phenomenon or process, the movement of objects, without the influence of the user on this action, process or phenomenon. At the same time, all educational institutions are equipped with modern computer and telecommunication technologies.

This requires a new approach of educators to their work activities. The introduction of new information and pedagogical technologies in the educational process leads not to squeezing the teacher by technical means, but to a complication of teaching activities, changing the tasks and role of the teacher and increasing them.

Excellent knowledge of the teaching of Natural Sciences makes it possible to properly organize the teaching of a child of a small school age. School teachers with developmental disabilities are armed with the theory of teaching Natural Sciences, making it possible to master teaching skills. The main goal of this system is to prepare the child for life.

To achieve this, it is important what and how to form in it. State educational standards for the improvement of Natural Sciences in the primary grades through information technology are a set of requirements established by the state in relation to the content and quality of Education. As a consumer of Educational Services, a person is guaranteed to receive public education and undergo professional training. In the process of obtaining education, a person is obliged to fulfill the requirement expressed in state educational standards. Once an individual has received the appropriate qualification level as the creator of educational services, they will work in the field of education, material production, science, culture and services and participate in teaching their knowledge, skills and experience to young people. The rapid development of Science and technology in foreign countries puts a complex problem in the eyes of scientists.

Therefore, the inclusion of new theoretical and practical knowledge about the laws of the development of nature and society in the content of education to generate the most necessary knowledge and skills in mutual subordination from all disciplines social life experiences and educational learning, which is important for different areas of science, are extremely necessary for students to acquire high knowledge and skills. Indeed, today the stage of a new approach to the unification of school subjects begins. In interdisciplinary connectivity, the approximation of different closely related objects is addressing the problem of integrated integration. In order to scientifically substantiate the provision of interdisciplinary communication in the educational process in order to solve the task of qualitative teaching of science, it is necessary to select the content of each academic discipline in interdisciplinary communication, to form an interconnected system of educational disciplines using modern educational technologies used in the educational process. Therefore, it provides the opportunity to ensure interdisciplinary involvement in the educational process, to read the content of the topics of the lesson, to activate the following processes in mastering the environment rule in it by distinguishing it: - first-class importance in revealing important ideas of science to attract the attention of students to the main aspects of the academic subjects they have; - constantly complicating perception, students to expand the scope of creative initiative and independence of educational activities, to improve the effectiveness of interdisciplinary communication in the multilateral educational process, to use interdisciplinary communication in the educational process, using various types of didactic medialming to facilitate the implementation of the step-by-step implementation of the work of buych atshkili; - achieving mutual integration of academic disciplines with the help of various didactic tools; - creating creative cooperation between teachers and students quit. Currently, the

modern school is considered as a factor that finds a solution to integration and pedagogical treatment, improves school performance, increases the capacity of the team of educators, and serves to find optimal ways to influence them.

This means that training goals will not be permanent. They are formed on the basis of social demand, and as society develops, they also change in a suitable way. Based on today's social requirements, educational goals should be aligned with the goals of working in the medium of Information Technology. Because, in the context of today's globalization, social demands are closely linked to the information sphere. Therefore, it will be advisable to clarify the goals and objectives of the software and pedagogical tool, created using information technology tools integrated into a particular educational discipline.

List of literature used:

1. Suyunov, D. A. (2022). Boshlang'ich sinf o'quvchilarida ekologik tafakkurni shakllantirish vositalari. Science and innovation. International scientific journal, (5-P), 43-47.
2. Suyunov, D. A. (2024). Boshlang'ich sinf o'qituvchilarda tabiiy fanlarni o'qitishda tabiatga nisbatan ijobiy muhitni shakllantirish. Inter education & global study, (8), 349-354.
3. Suyunov D.A. Boshlang'ich sinf o'quvchilarda matematika fanini o'qitishda aqliy tafakkurini shakllantirishda mental arifmetikaning o'rni. "Boshlang'ich ta'lim: samarali ta'lim amaliyoti, muammolari, istiqbollari"., mavzusida Xalqaro ilmiy-amaliy anjuman materiallari to'plami. 17-18-may 2024-yil. II qism
4. Narbayev A.B. Hozirgi jamiyat va ta'limda medianing o'rni "Muhammad al-Xorazmiy izdoshlari" Respublika ilmiy – texnikaviy anjumani materiallari. Urganch. 2018. B.173-175.
5. Suyunov, D. A., & Axmedova, Z. I. (2025, February). Boshlang'ich sinflarda ekologik dunyoqarashini tarbiyalashda konseptual tamoyillardan foydalanishni takomillashtirish. In INTERNATIONAL CONFERENCE ON MODERN DEVELOPMENT OF PEDAGOGY AND LINGUISTICS (Vol. 2, No. 2, pp. 8-11).
6. Xoliqov A. Pedagogik mahorat. O'quv qo'llanma. - T., 2010
7. G'aybullayev N. va boshqalar. Pedagogika. O'quv qo'llanma. - T., 2005
8. Suyunov.D.A (2021). METHODOLOGY OF USING THE HERITAGE OF CENTRAL ASIAN THINKERS IN THE FORMATION OF ECOLOGICAL THINKING IN PRIMARY EDUCATION. World Bulletin of Social Sciences, 5, 131-134.