SPECIFIC WAYS OF USING DIGITAL EDUCATIONAL RESOURCES IN REMOTE AREAS IN ORGANIZING AND DEVELOPING THE EDUCATIONAL PROCESS BASED ON DIGITAL TECHNOLOGIES

Fayzullaeva Madina

Master's student at the Chirchik State Pedagogical University

FayzullayevaMadina007@gmail.com

Abstract: In this article, you can get more information about the results of our research carried out on the use of digital educational resources in the organization and development of the education based on digital technologies even in remote areas such as school № 38 in Gallaorol district, school № 4 in Pakhtakor district and school № 17 in Zafarobod district in Jizzakh region in a certain period. In this research, we tried to use digital educational resources in the organization and development of the educational process based on digital technologies in educational institutions located in remote areas, where it is difficult to use digital technologies, as well as, we achieved the expected positive result.

Keywords: *digital technologies, decision, assessment system, research, school, telephone, history, geography, biology, teaching foreign languages, interest.*

TA'LIM JARAYONINI RAQAMLI TEXNOLOGIYALAR ASOSIDA TASHKIL QILISH VA RIVOJLANTIRISHDA CHEKKA HUDUDLARDA RAQAMLI TA'LIM RESURSLARINI QO'LLASHNING O'ZIGA XOS YO'LLARI

Fayzullayeva Madina Abdumo'min qizi

Chirchiq davlat pedagogika universiteti Pedagogika fakulteti magistranti

FayzullayevaMadina007@gmail.com

Annotatsiya: Ushbu maqolada bugungi kunda chekka hududlarda ham ta'lim jarayonini raqamli texnologiyalar asosida tashkil qilish va rivojlantirishda raqamli ta'lim resurslarini qo'llash bo'yicha Jizzax viloyati G'allaorol tumani 38-umumta'lim maktabi, Paxtakor tumani XTB tasarrufidagi 4-umumiy o'rta ta'lim maktabi va *Zafarobod tumani 17-*sonli umumiy o'rta ta'lim maktabida ma'lum muddat davomida olib borilgan tadqiqotimiz natijasi bilan tanishishingiz mumkin. Ushbu tadqiqotimizda asosan chekkaroq hududlardagi, ya'ni raqamli texnologiyalardan foydalanish qiyin bo'lgan, raqamli texnologiyalar bilan to'liq ta'minlanmagan ta'lim

muassasalarida ta'lim jarayonini raqamli texnologiyalar asosida tashkil qilish va rivojlantirishda raqamli ta'lim resurslarini qo'llashga harakat qildik va kutilgan ijobiy natijaga erishdik.

Kalit so'zlar: *raqamli texnologiyalar, qaror, baholash tizimi, tadqiqot, maktab, telefon, tarix, geografiya, biologiya, xorijiy tillarni o'qitish, qiziqish.*

КОНКРЕТНЫЕ СПОСОБЫ ИСПОЛЬЗОВАНИЯ ЦИФРОВЫХ ОБРАЗОВАТЕЛЬНЫХ РЕСУРСОВ В ОТДАЛЕННЫХ РАЙОНАХ ПРИ ОРГАНИЗАЦИИ И РАЗВИТИИ ОБРАЗОВАТЕЛЬНОГО ПРОЦЕССА НА ОСНОВЕ ЦИФРОВЫХ ТЕХНОЛОГИЙ

Файзуллаева Мадина Абдумўмин кизи

Магистрант Чирчикского государственного педагогического университета

FayzullayevaMadina007@gmail.com

Аннотация: В этой статье вы можете получить более подробную информацию о результатах наших исследований по использованию цифровых образовательных ресурсов в организации и развитии образования на основе цифровых технологий даже в отдаленных регионах таких как школа № 38 Галлаорольского района, школа № 4 Пахтакорского района и школа № 17 Зафарабадского района Джизакской области в определенный период. В данном исследовании мы попытались использовать цифровые образовательные ресурсы при организации и развитии образовательного процесса на основе цифровых технологий в образовательных учреждениях отдаленных районов, где использование цифровых технологий затруднено, и которые не в полной мере оснащены цифровыми технологиями. мы достигли ожидаемого положительного результата.

Ключевые слова: *образовательный кластер, цифровые технологии, решение, система оценивания, исследование, школа, телефон, история, география, биология, обучение иностранным языкам, интерес.*

Introduction

On March 31, 2020, the decision PD-4637 "On measures to develop digital education in the Republic of Uzbekistan" was adopted on the organization and development of the educational process based on digital technologies. With this decision, additional measures for the development and organization of digital education are defined. These measures include the introduction of digital education and making the learning process more effective in the proper use of digital technologies in teaching, teaching the use of digital technologies in teacher training, preparation and

distribution of educational materials in digital format, important issues such as monitoring the educational process of students and development of the assessment system are presented [1].

Relevance of the topic

Nowadays, digital technologies are actively used in all spheres of life. The economy, banking, service sector, as well as, the educational process, serve to develop rapidly. All citizens living in the country, including young children and pensioners, are forming the idea that all problems in society can be solved through digital technologies. It is not surprising that the educational system today is immersed in digital technologies because it serves as a basis for serious analysis and pedagogical justification of many things that are offered in the information space today [2].

Social progress cannot be achieved without developing the intellectual abilities of the mature generation without educating them spiritually and morally and without fully realizing the new aspects of their potential. Various games, mobile devices, and computer software developments are aimed at forming new knowledge skills in the minds of the mature generation. It is known that acquiring knowledge that is new through such digital technologies will certainly have a positive effect on children [3].

Candidate of Pedagogical Sciences, associate professor of the Faculty of Philology of Nukus State Pedagogical Institute named after Ajinyoz, Shahlo Yuldosheva suggests using mobile phones in the course of the lesson and speeding up the purposeful use of mobile phones and various gadgets. This was reported on the website of the Ministry of Higher and Secondary Special Education [4].

According to the article, the economic life of the country reforms on the implementation of digital technologies in all spheres, and advanced technologies, certainly, cannot bypass the sphere of education. On the contrary, the basis of the digital economy is formed by personnel and education. "Therefore, the future of digital Uzbekistan is in the hands of our children and youth who are currently sitting at the school desk. Of course, if they have high-quality and modern knowledge capable of managing and developing the digital economy, our future will be great, and the security of digital Uzbekistan will be ensured" the article reports. According to the author, combining education with digital technologies in secondary schools will bear fruit in the future.

"According to experts, accelerating the implementation of digital technologies in the teaching of not only informatics but also all subjects in the curriculum of general education schools will increase the speed of realization of long-term plans," the article reports [5].

Materials and research methods

The use of digital technologies in education provides opportunities to facilitate the learning process of students, to create experiences for them, and to organize the learning process in many ways. Several positive outcomes can be achieved by using digital technologies in education. In particular, digital technologies help facilitate the student's learning process. Moreover, digital technologies allow students to create experiences in their learning. It allows students to express themselves in their learning process, collaborate with other students, and help each other in their learning. In addition, digital technologies provide many opportunities to structure the learning process and provide students with opportunities that match their learning styles. Digital technologies help to develop students' creativity [8].

Research results and analysis

We conducted tests and experiments in the 304th school and the International Center educational center located in Tashkent to ensure the scientificity and expediency of the organization and development of the educational process based on digital technologies, as well as with research materials. Now, we have conducted tests and experiments on the implementation of such technologies in remote areas. In this study, we tried to use digital educational resources in the organization and development of the educational process based on digital technologies in educational institutions in remote areas, where it is difficult to use digital technologies, and which are not fully equipped with digital technologies. For our students to better understand the subject, we had to use at least one digital technology, in particular, the phone. In such a situation, we made additional devices together with the students to help them use technology during their free time after the lesson and used them during the lesson.

To ensure the scientificity and expediency of organizing and developing the educational process based on digital technologies, as well as conducting tests and experiments with research materials. We carried out research at school № 304 in Yangihayot district, Tashkent city, and International Center. Now, we are conducting tests and experiments based on our research on the introduction of such technologies in remote areas such as school № 38 in Gallaorol district, school № 4 in Pakhtakor district and school № 17 in Zafarobod district, Jizzakh region in a certain period.

In this study, we tried to use digital educational resources in the organization and development of the educational process based on digital technologies in educational institutions in remote areas, where it is difficult to use digital technologies, and which are not fully equipped with digital technologies. For our students to understand the subject better, we had to use at least one digital technology, in particular, the phone. In such a situation, we made additional devices together with the students to help them use technology during their free time after the lesson and used them during the lesson.

Picture 1. Watch hologram videos in 3D using bottle[3]

Picture 2. Cardboard box for viewing various hologram videos in a larger format[4]
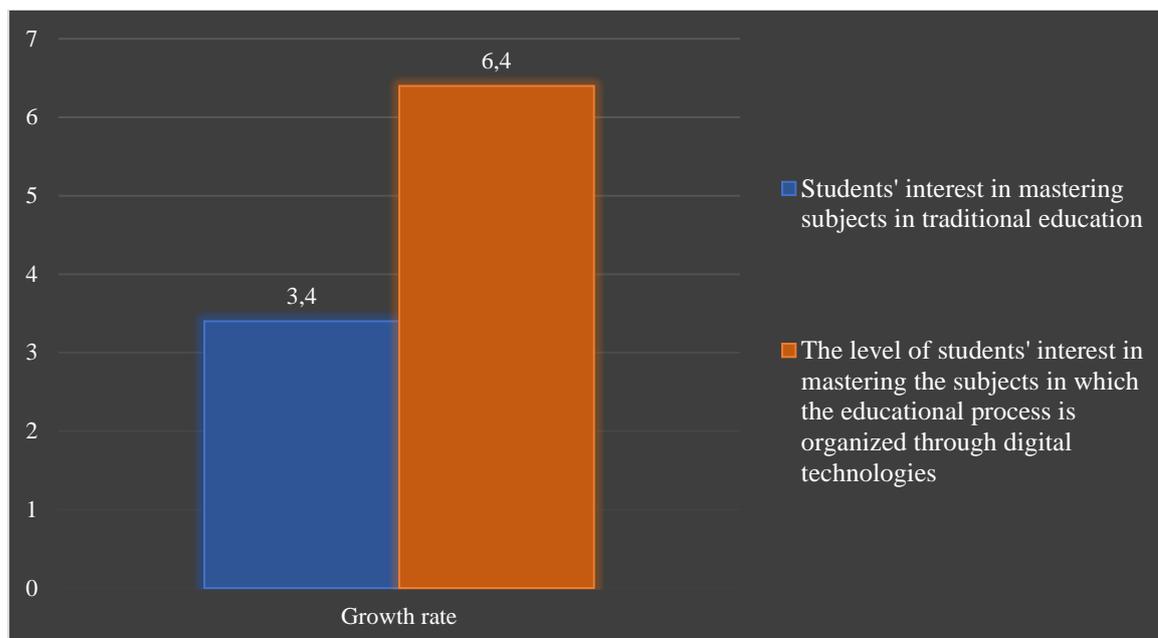

Picture 3. 3D VR box glasses made by students

During the lesson, the students were able to see the movements of animals, and the structure of historical buildings that they had not seen in real life, and remember their names via these things they made. Moreover, they were able to make such items from ordinary things and try them independently at home. Through this method, we have conducted tests and experiments with research materials for a certain period in teaching geography, history, biology, and foreign languages, and we have achieved a positive result in organizing and developing the educational process based on digital technologies than we expected.

---

[3] 3D-голографический проектор
[4] How to Make a 3D Hologram at Home - This is So Easy!

Picture 5. The result of our research on the use of digital educational resources in the organization and development of the educational process based on digital technologies

The effectiveness of using the phone to improve the quality of the lesson depends primarily on the user's learning style and speed. The effectiveness of interactive communication is very important in improving the quality of telephone lessons. The effectiveness of phone training will also depend on personal control. Moreover, it is very important to work effectively with time in improving the quality of lessons. You must ensure that you work carefully and correctly during the designated time of the lesson.

All these are positive results that can be obtained as a result of using digital technologies in education. In addition, we tried to conduct such this research based on our articles such as "Advanced pedagogical experiences in organizing and developing the educational process on the base of digital technologies" [6] and "Methodology of organizing and developing the educational process on the basis of digital technologies in educational cluster conditions" [7]. However, in the course of our research, we encountered several shortcomings that hinder the organization and development of the educational process based on digital technologies.

The following basic steps should be taken by the government to organize and develop the educational process of the student based on digital technologies. Firstly, the state should provide students with the necessary technologies. This helps to improve students' learning. Secondly, teachers should be provided with new pedagogical techniques and digital educational tools, as well as knowledge and experience in technologies. This allows them to change the way they engage and teach students.

The provision of educational institutions with technologies by the state is important for the creation and development of an environment that meets the requirements and characteristics of students for the organization and development of the educational process based on digital technologies.

To organize and develop the educational process based on digital technologies, the following 5 main steps should be taken by the student to create the necessary environment:

1. Defining learning objectives: In a digital learning environment, it is necessary to define practical goals and learning outcomes. It shows how it should be useful for students.

2. Special requirements and characteristics of students: The characteristics and requirements of students should be identified, which will help in choosing their specific learning methods and technologies.

3. Providing teachers with new pedagogical techniques: In a digital educational environment, teachers should know how to use new pedagogical techniques and digital educational tools. This allows them to change the way they engage and teach students.

4. Providing access to digital technologies: In a digital learning environment, students and teachers should be provided with access to digital technologies. This will help to improve their experience in the educational process.

These basic steps are important for better learning outcomes of the learning process and engaging students. In a digital learning environment, it is important for students and teachers to create and develop environments that meet their needs and characteristics [9].

To organize and develop the educational process based on digital technologies, the teacher should create the following environment:

1. Providing convenient and appropriate learning materials for students: In organizing the digital learning process, teachers should provide suitable learning materials for students. This helps the students to master the learning process more.

2. Use of interactive learning methods: In organizing the digital learning process, teachers should use interactive learning methods. These methods help to further improve the students' learning experience [10].

3. Provide suitable technologies and programs for students: In organizing the digital learning process, teachers should provide suitable technologies and programs for students. This helps the students to master the learning process more.

4. Provide suitable learning programs for students: In organizing the digital learning process, teachers should provide suitable learning programs for students. These programs help students to master the learning process.

5. Providing monitoring and evaluation system: In the organization of the digital learning process, teachers should provide appropriate systems for evaluating and

monitoring the learning process. These systems allow students to evaluate their learning experiences and identify changes needed to further improve them.

This environment allows teachers to organize and develop the educational process based on digital technologies.

Conclusion

Digital learning resources and technologies make the learning process more accessible, increase student motivation, and help strengthen immersive learning. These methods and opportunities are relevant to the development of the educational process. Additionally, digital technologies increase cooperation between students and the level of compliance of students.

References

1. 2020-yilning 31-martidagi O'zbekiston Republikasining Prezidenti Shavkat Mirziyoyev "O'zbekiston Respublikasida raqamli ta'limni rivojlantirish chora-tadbirlari to'g'risida"gi PQ-4637-sonli qarori

2. Do'stnazar, H. and Abrorxujayevna, V.S., 2022. Ta'lim jarayonida klaster metodidan foydalanishning o'ziga xos ahamiyati. *World scientific research journal*, *9*(1), pp.179-184.

3. Baxrombekovna, d.r.n., 2022. Ta'lim tizimida raqamli texnologiyalardan foydalanish imkoniyatlari. *International Journal of Philosophical Studies and Social Sciences*, *2*(5), pp.23-26.

4. Рақамли давлатга айланишни истасак, ўқувчиларга дарс пайтида телефондан фойдаланишга рухсат бериш керак / URL: *https://edu.uz/uz/news/view/1086#gsc.tab=0*

5. Ekspert fikri: o'quvchilarga dars paytida telefondan foydalanishga ruxsat berish kerak / URL: *https://kun.uz/uz/news/2019/01/08/ekspert-fikri-oquvchilarga-dars-paytida-telefondan-foydalanishga-ruxsat-berish-kerak?q=%2Fuz%2Fnews%2F2019%2F01%2F08%2Fekspert-fikri-oquvchilarga-dars-paytida-telefondan-foydalanishga-ruxsat-berish-kerak*

6. Файзуллаева, М., 2023. Advanced pedagogical experiences in organizing and developing the educational process on the base of digital technologies. *Ижтимоий-гуманитар фанларнинг долзарб муаммолари/ Актуальные проблемы социально-гуманитарных наук/Actual Problems of Humanities and Social Sciences.*, *3*(3), pp.237-244.

7. Файзуллаева, М., 2023. Methodology of organizing and developing the educational process on the basis of digital technologies in educational cluster conditions. *Ижтимоий-гуманитар фанларнинг долзарб*

муаммолари/Актуальные проблемы социально-гуманитарных наук/Actual Problems of Humanities and Social Sciences., *3*(S/3), pp.283-289.

8. Babaraximova, D., 2023. Ta'lim tizimida raqamli texnologiyalardan foydalanish istiqbollari. *O'zbekistonda fanlararo innovatsiyalar va ilmiy tadqiqotlar jurnali*, *2*(18), pp.956-962.

9. Olimova, F., 2021. Talabalarni ijodiy faoliyatga tayyorlashda raqamli ta'lim texnologiyalaridan foydalanish yo 'llari. *Central Asian Research Journal for Interdisciplinary Studies (CARJIS)*, (Special Issue), pp.58-62.

10. Xolboevna, I.F., 2023. Bo'lajak o'qituvchilarning kasbiy ijodkorlikgini rivojlantirishda raqamli texnologiyalardan foydalanishning pedagogik shart sharoitlari. *Science and innovation*, *2* (Special Issue 5), pp.161-164.