ACTUAL PROBLEMS OF MODERN SCIENCE, EDUCATION AND TRAINING

KHOREZMSCIENCE.UZ

CONTENTS

(daily). When mastering the first, comprehension prevails, and the second - memorization or accumulation of the impact effect.

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UDC: 37.01

SPECIFIC ASPECTS AND PRINCIPLES OF THE METHOD OF ORGANIZING INDEPENDENT EDUCATION OF STUDENTS

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Annotatsiya – Ushbu maqolada ta'lim jarayonini modernizatsiyalash, zamonaviy axborot va pedagogik texnologiyalarni ta'limda joriy qilish, masofaviy ta'limni tashkil etishda axborot-kommunikatsiya imkoniyatlaridan keng foydalanish yo'lida amalga oshiriladigan ishlar hamda masofaviy ta'lim o'quv jarayoniga mobil ilovalarini joriy etish masalalari ko'rilgan.

Kalit so'zlar: axborot texnologiyalari, masofaviy ta'lim, mobil ilova, smartfon, planshet.

Аннотация: В данной статье речь идет о модернизации образовательного процесса, внедрении современных информационно-педагогических технологий в образование, широком использовании информационно-коммуникационных

возможностей в организации дистанционного образования, внедрении мобильных приложений в образовательный процесс дистанционное обучение.

Ключевые слова: информационные технологии, дистанционное обучение, мобильное приложение, смартфон, планшет.

Abstract: This article deals with the modernization of the educational process, the introduction of modern information and pedagogical technologies in education, the wide use of information and communication opportunities in the organization of distance education, and the introduction of mobile applications into the educational process of distance education.

Key words: information technology, distance education, mobile application, smartphone, tablet.

Introduction. Today, it is no coincidence that ensuring the penetration of information and communication technologies into every household has become one of the priority tasks. This creates a great ground for the development of distance education in our country.

Modernization of education is one of the most important tasks of today's developing socio-economic policy of Uzbekistan. In such conditions, the problem of improving the quality of education at all levels is particularly urgent. Historically, various methods have been used to improve the quality of education at each stage of development. Currently, it is an urgent issue to improve the quality of education by changing the methods of students' educational activities, that is, by using the systematic-activity approach.

Literature review. In recent decades, the introduction of information and communication technologies (hereinafter referred to as ICT) to education has become one of the important directions of education modernization. At the same time, computer and Internet technologies themselves are rapidly developing: personal computers are increasingly being replaced by wireless and mobile devices; Increasingly, smartphones and mobile phones with computer functions are appearing in the consumer market.

Therefore, it is important to develop distance education based on the needs of the times. Because the implementation of this system has the following advantages [1, p 2-5]:

1. To contribute to the guarantee of educational opportunities for citizens by creating new forms of education in our country.

2. According to the requirements of the times, every person will be able to develop in all aspects throughout his life and receive professional education.

It serves to significantly increase the potential of higher education among the population.

3. The process of teaching students to work independently serves to implement.

In general, the ability of a person to work on his knowledge, hard work, setting goals and helping to achieve them.

4. It serves to increase the quality of education by reducing the active study load of professors and teachers.

5. There will be an opportunity to develop adult education.

6. Employees who want to get a higher education or a second specialty can study without being separated from production, it shows that they can easily make the contract payment through their work.

7. It is reflected in the reduction of students-students' dependence on housing and other economic burdens.

Analysis. There are new opportunities for modernization of educational methods in the conditions of the information society. Through the use of new ICT, it is possible to bring education to a new level by using it in the daily practice of actively developing and modern students of higher education. The latest research shows that in modern conditions, through the need to use innovative approaches to education, with the help of developing modern types of educational activities - searching and comparing information from several sources, applying the knowledge gained to solving practical problems, working in groups, including the use of modern ICT, students'; It is important to achieve new learning outcomes.

Most teenagers today have mobile phones with wireless Internet access - a fact that has been proven in extensive research. Students use handheld devices in their daily practice. Compared to desktop computers, they change the design of the learning environment. The possibilities of teaching Uzbek using mobile technologies today are described only in economic and medical publications in individual cases.

Students actively use social network services for communication, information search and storage. With the development of these services, publications on the use of social networks in education began to appear. Issues of using mobile and network technologies in educational activities are being actively developed due to their high practical importance. However, this area is still underexplored.

Today, the local education system faces a serious question - to what extent can technical innovations become new educational technologies?

The United Nations Educational, Scientific and Cultural Organization (UNESCO) guidelines state: "In a world where dependence on communication and access to information is growing, mobile devices will not be a passing phenomenon. As the power and capabilities of mobile devices are constantly growing, they can be used more widely as educational tools." (M.West, S.Vosloo, 2013, p. 42).

Project activities are one of the types of work that form students' independence and initiative. The practice of using mobile and network technologies is related to solving educational problems - through student groups (teams) homework, project discussion, development of a common solution, etc. are discussed. Working on a project is related to problem formulation and formulation, creation of activity algorithms, control and evaluation of the project process and results - cognitive universal actions. Group work in the network is related to planning cooperation in the field of education, determining the goals and functions of participants, as well as methods of interaction - communicative educational activities defined in the State Educational Standard.

The indicated factors indicate the high and relevance of the chosen direction of research - the use of mobile and network technologies to modernize the educational activities of students.

The analysis of research on the problem of finding means of developing students' cognitive activity, as well as the study of pedagogical experience in solving this problem, made it possible to identify the following contradictions:

On the one hand, changes are taking place in the environment in which modern students, representatives of the "digital generation" grow up and live (smartphones, social networks, active use of the Internet, constant use of large amounts of data), which makes it possible to provide remote educational opportunities for the new generation. creates an opportunity. On the other hand, the educational system remains indifferent to such changes, these opportunities are not used to achieve new educational results.

Thus, the problem of the research is aimed at identifying the factors that allow to eliminate the gaps between the potential and feasible possibilities of using mobile and network technologies in the educational activities of students at the basic higher education level, and to find a solution to the level of possibility.

Discussion.

We should pay special attention to the following:

- what is the uniqueness of the current stage of higher education informatization?

- what opportunities do mobile and network technologies have in solving current pedagogical problems?

- under what conditions can mobile and network technologies be used as new educational technologies?

The purpose of our research led to finding a solution to the following questions:

1. Determine the changing tasks of modernizing the educational activities of students in the information society.

2. To study the real use of mobile and network technologies by students in their educational and daily activities.

3. To determine the possibilities of using mobile and network technologies to modernize students' educational activities.

4. To identify obstacles in the use of mobile and network technologies in the independent educational activities of students in higher education and offer conditions for their elimination.

The purpose of this research work is to create new content - a new generation of e-learning materials, and these developed materials are intended for:

- to activate the student's independent educational activities, to change their attitude towards independent education;

- change the position and nature of student activity;

- to change the nature of the relationship between the teacher and the student. That is, to introduce a fundamentally new mobile application, to increase efficiency by turning the principles of teaching into an innovative action.

Conclusion. Learning practical activities with the help of this ICT leads to the emergence of generality for the distance form of education. It is intended for teachers to control, direct, study together in groups, and set the goal of independent education. It is up to teachers to shape the future of learning. The goal is to teach students in a modular manner based on the consistency of their individual needs.

The main goal of this work is to understand that independent education is not a task that the student needs to hand over to the teacher, but that it is a type of education

aimed at expanding the scope of his knowledge and self-perception of the necessary knowledge, skills and abilities.

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UDC: 37.11
FORMATION OF PROFESSIONAL COMPETENCES OF STUDENTS IN DISTANCE EDUCATION

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Annotation: Axborot technologyLari sanoatning speaker, innovation tabiati an'anaviy kasblar tarkibini "modernization qilish"ga olib keladi, mutahassislarning yangi funksiyalarini belgilaidi, ularga egalik qilish kompyuter ilmlari va dasturlash texnologiyalarini yuklash hodimlarning kasbiy mahoratgazhralmasor. Ishning sog'lomlashtirish dasturlari va texnologiyalari texnologiyasini qutqarish bo'yicha yangi kompyuter kasblarini topish zarurati bilan bog'liq. Makolada kompyuter ilmlari va