

PROSPECTS FOR MODERNIZING EDUCATIONAL PROCESSES USING INTERACTIVE METHODS OF BLENDED LEARNING

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ABSTRACT

The article examines the concept of mixed education, its development, modern meaning and role. Describes the advantages and disadvantages of blended learning. The massive introduction of information technologies in education will lead to a change in teaching methods and the format of control, and will also require changes in the structure of education. A departure from traditional forms of education and organization of the educational process in the information society is necessary. This leads to the emergence of new learning models in educational activities.

Keywords: Blended learning, e-learning, traditional education, online mode, online platform, learning form, materials online learning, self-education.

INTRODUCTION, LITERATURE REVIEW AND DISCUSSION

The reforms carried out in the education system of our republic require adaptation of the education system to world standards and modernization based on the most effective methods. Organization of electronic education process in classes is a requirement of the present time. Therefore, establishing an educational system based on Blended Learning will undoubtedly lead to an increase in educational efficiency. Improvement and popularization of teaching methods in the traditional and electronic education system based on mixed education, as well as in-depth study of the experience of developed countries on the method of mixed education - will make it possible to create a national model of blended learning.

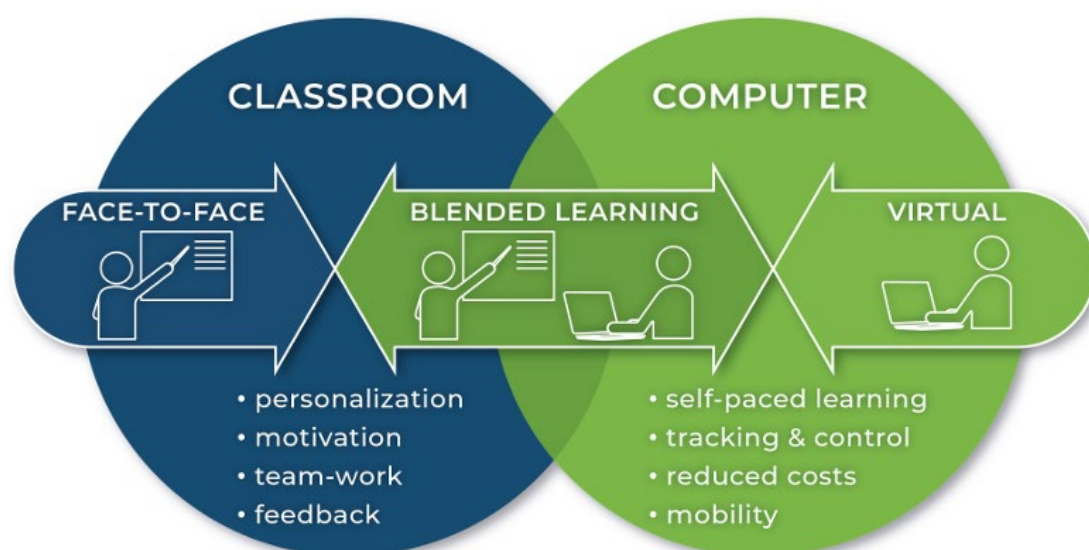


Figure 1. Blended learning technology description

In today's globalization process, taking into account the large number of types of education based on Internet technologies, the development of the methodology of using mixed education is one of the important issues. Blended learning is a relatively new and increasingly popular

form of modern education, a form of teaching based on online learning materials and group learning under the guidance of a teacher.

No matter how convenient electronic education is, it cannot provide the level of development of speech and socio-cultural skills obtained as a result of traditional education. Nevertheless, electronic education provides effective indicators compared to traditional education. As a result, it is clear that the combined type of traditional education with electronic education will give effective results. Mixed education is based on the joint conduct of traditional, distance and interactive education. If traditional education develops and socializes people's ability to communicate, electronic education accelerates the process of acquiring knowledge.

The educational process requires a transition to a modern model that meets the needs of people and has mobility in its form. This model allows us to improve the educational process and solve several important issues at the same time. The development of information technologies helps to develop and apply mixed education in various fields.

The purpose of ICT in the educational process is to transmit and store lectures, videos, presentations, etc. In mixed education, these functions are aimed at the implementation of interaction between teachers and students during the educational process. Communication is supported by technology: chats, blogs, video conferencing, Skype, Virtual Reality-based educational classrooms, etc.

The last criteria for the difference between education through ICT and blended learning is determined by the role of the teacher in the learning process. First of all, it should be said that the role of the teacher in the educational process is changing with the emergence of information technologies. This is no longer a classic teacher, but a guide or consultant in the educational environment. The role of the teacher in mixed education is the organizer of the educational process, the teacher organizes and supports the independent activities of students.

Blended learning is a combination of traditional forms of classroom teaching with electronic learning elements that use special information technologies such as computer graphics, audio and video, virtual reality, interactive elements, etc.

Blended learning is a form of teaching based on online learning materials and teacher-led group learning. In the course of this form of education, the student receives independent education, but at the same time he is supported by the group and the teacher.

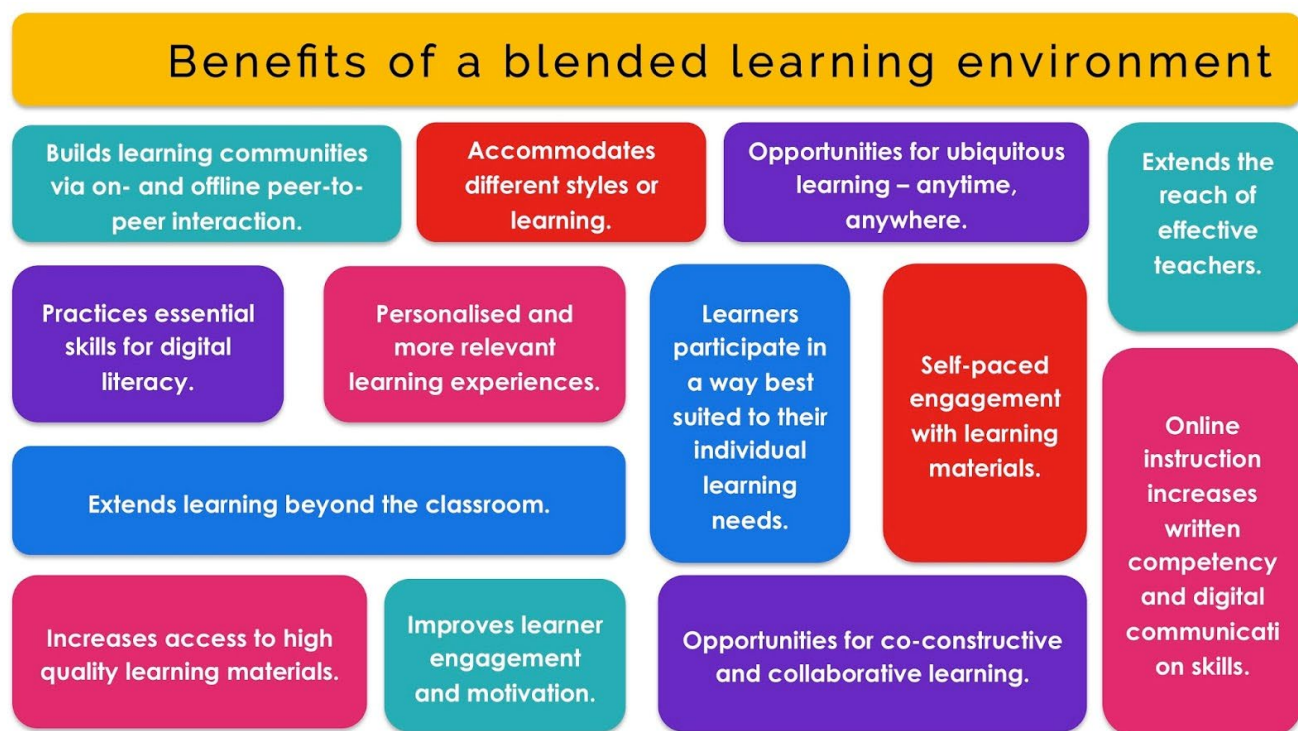


Figure 2. Benefits of a blended learning environment.

Due to the use of the blended learning method during group classes, each student learns communication skills, demonstrating positive changes in learning materials. repeats materials and prepares to learn a new topic. Blended learning is often task-based and organized around core, essential information. Additional materials are provided to the student through the online platform. While learning independently, the student collaborates with other members of the group by participating in an online discussion. Classes organized in the auditorium and online may overlap or vary in time. Distance learning and self-directed learning are effectively blended at different stages of education.

The advantages of the blended learning methodology are as follows:

- *Convenience of the lesson schedule.* The student can participate in the educational process at his convenience;
- *Convenient use space.* The student can participate in the educational process from an Internet cafe, home, hotel, workplace and other places;
- *Easy reading pace.* Educational materials are taught at the pace of students' understanding of new knowledge;
- *Convenient curriculum.* The curriculum can be organized according to individual and state educational requirements of students;
- *Gathering the database.* Ability to collect and use the knowledge of previous students;
- *Demonstration.* Ability to fully use multimedia capabilities;
- *Qualified teachers.* Selecting qualified, highly experienced teachers working at long distances and involving them in the online education process;
- *24/7 availability of education.* Access to educational resources 24 hours a day;
- *Economic efficiency.* Relatively low educational expenses.

But it should be said that there are negative aspects of distance education. We can include the following:

- *Lack of live communication with the teacher.* For this reason, students mainly want to study in normal (full-time and extramural) types of education, not in virtual education;

- *Connection with virtual environment and technical support.* Distance education depends on the presence of the Internet, the cost of using it, the speed and availability of services, the availability of special communication techniques and their operation;
- *Ability to use mixed educational technologies.* Students must be technologically literate and have a strong desire to learn;
- *The value of blended learning tools or VR.* Mixed educational tools and the cost of their installation and operation.

In terms of distance education, blended learning provides more flexibility (freedom) in the implementation of the educational process. Flexibility includes several aspects of the learning process.

First, the teacher has more freedom in presenting learning materials. Now he does not have to distribute all the materials during the lesson. The teacher has the ability to divide all materials into two. That is, one to be given during the lesson, and the other for students to get through independent work on the network or other sources on the Internet.

Second, blended learning gives teachers more flexibility and freedom in monitoring and evaluation processes. The teacher will be able to conduct online tests, post assignments, cases and even the final test at the end of the semester. Such an opportunity is convenient for both the teacher and the students. The teacher has more time to assess student performance and students can work on their assignments from anywhere, even when they are not in class.

Today, information is becoming one of the most important productive resources. In the increasingly developing and accelerating world, the use of new information and communication technologies on every front is one of the important factors that bring the field to the level of maturity. The reason is that it is necessary to use different methods to learn new knowledge, research and gain experience.

Almost all reforms carried out in our republic are aimed at training highly qualified specialists and creating a comfortable working environment for them. As President Shavkat Mirziyoyev noted: "Tomorrow requires highly qualified specialists who can think in a new way and have modern knowledge". For this reason, a system of training highly qualified and knowledgeable specialists has been developed and is rapidly being implemented on the basis of the rich intellectual heritage and universal values of our people, modern culture, economy, science, techniques and technologies.

Modernization and acceleration of teaching technologies in Uzbekistan is becoming increasingly important. Because now the potential of the national education system is rising to a higher level of systematic development.

In conclusion, it should be said that the organization of the electronic education process is a requirement of the present time. Therefore, establishing an educational system based on blended learning will undoubtedly lead to an increase in educational efficiency. In addition, for the proper organization of mixed education, educational institutions need technical tools, modern electronic literature and textbooks, teachers with the skills to use them, technical tools for training based on virtual reality, full provision of virtual laboratories is necessary. In this case, it would be appropriate to train personnel working with VR technologies, improve their qualifications, and send them to advanced training courses based on exchange programs to developed countries for the development of this field.

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