

компетентность личности. Тем самым достигается коллективное исследование, т. е. возрастает потенциал ученика в самоуправлении.

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### CONDITIONS OF THE USE OF DIGITAL LEARNING ELEMENTS IN THE TRAINING OF THE PEDAGOGICAL PROCESS

**Abstract.** The article attempts to actualize the problem of digital education; substantiated the social need for significant changes in various aspects of the education system; the essential filling of key concepts in the context of digital education is revealed, which initiates the formulation of a new conceptual apparatus. Intensive development of the latest information technology affects all spheres of our life. In this regard, the problem of digital transformation of education is one of the main today. The article reveals the concepts of «digital learning», the problems of successful implementation of digital technology into a modern training system. The advantages of introducing elements of digital learning into the work of a modern teacher are revealed.

**Keywords:** digital education; teacher; digital technology; digital literacy; social interaction.

**Аннотация.** Предпринята попытка актуализировать проблему цифрового образования, обоснована социальная необходимость значительных изменений в различных аспектах системы образования. Раскрывается существенное наполнение ключевых понятий в контексте цифрового образования, что инициирует разработку нового концептуального аппарата. Интенсивное развитие новейших информационных технологий затрагивает все сферы нашей жизни. В связи с этим проблема цифровой трансформации образования является одной из главных на сегодняшний день. В статье раскрываются понятие «цифровое обучение», проблемы успешного внедрения цифровых технологий в современную систему обучения. Перечислены преимущества внедрения элементов цифрового обучения в работу современного учителя.

**Ключевые слова:** цифровое образование; учитель; цифровые технологии; цифровая грамотность; социальное взаимодействие.

Currently, the rapid transformation of education is underway: from «Print» to «digital». These changes in modern educational policy very objective. A new digital education system is being formed in the world. Thanks to digital resources, we currently have many different types of educational activities: online classes, learning platforms, educational Internet resources, etc., used in the practice of higher education

Digital technology is designed to fulfill the most important mission – to intensify social interaction and contribute to the sharp development of social networks, the popularization of virtual communication, the obvious and predominant features of which are speed and freedom of communication regardless of geographical location, language and cultural barriers. All this has affected all spheres of a person's life, offering him new opportunities for social interaction and interaction with the world. In the field of education, «the main goal of uniting and coordinating the actions of representatives of various professional and social groups, civil society institutions is the organization of a constructive dialogue between the educational community, employers, parents and authorities to create conditions conducive to strengthening public

influence to ensure the high quality of public education and the implementation of the constitutional rights of a citizen of Kazakhstan in the field of education».

Research Objectives: actualize the problem of digital education; substantiate the social need for significant changes in various aspects of the education system; reveal the essential content of key concepts in the context digital education and formulate a new conceptual framework.

Digital education offers us lifelong education. We moving away from the traditional model of «kindergarten – school – university – advanced training» to a new education, free and equitable for everyone, striving to satisfy any educational needs.

Clarifying the concept of digitalization, E.L. Vartanova, M.I. Makeenko, S.S. Smirnov note: "this is not only the translation of information into digital form, but a complex solution of infrastructural, managerial, behavioral, cultural nature"[2, C. 103].

The demanded technology at present is the "mobile learning" technology, which allows using educational information from personal digital devices (smartphones, tablets, etc.). With online learning, teachers use technology such as Course Management System. This technology consists of tools (software) that provide the teacher with the ability to design educational courses and place them on the network. Of great importance in digital learning is the e-learning system "Elearning", which has various applications and processes that enable students to use educational materials [1, C. 7].

All this dictates a new request to the education system and requires significant changes in its various aspects:

- the formulation of adequate psychological, pedagogical and didactic principles digital education;
- implementation of innovative approaches to the selection of educational content;
- implementation of new forms, methods, technologies and means of teaching and learning;
- ensuring the spiritual, moral, personal development of each person, his motivation for cognition, self-actualization and self-development throughout life;
- implementation of the principles of equal opportunities;
- providing flexibility and adaptability.

According to G. N. Skudareva, «...at present the socioeconomic situation in our country is undergoing significant changes, forms the labor market, professional personnel. Today, the teacher's personality is the main factor in updating the education system, as it is the teacher – the central link in the implementation of basic directions of modernization of education in the whole country and in a single school. From further progressive development of not only the education system, but also the country as a whole will largely depend on his level of professionalism».

The rapid transition to digital education has also brought about changes requirements for a modern employee.

They can be stated in the following edition:

1. Personal basic qualities that provide quick adaptability to rapid external changes: appropriation of the values of domestic civil societies, curiosity, enterprise, perseverance and perseverance in achieving goals, ability to plan one's own activity, leadership qualities, self-government, social abilities, etc.

2. Basic skills (can help regulate daily tasks: reading, writing, mathematical and science literacy, economic, entrepreneurial and ICT competencies, cultural and civic literacy).

3. Competencies to solve complex problems: critical and creative thinking, communication skills, etc.

In addition to the above, it is necessary to add such a requirement as digital literacy, which implies the willingness and ability of the individual to use digital technology is decisive, effective, critical and harmless in absolutely everyone areas of life. The aim of modern education is to develop the learner's personality, which has an established system of values accepted in society, high personal qualities, critical thinking skills, cooperation and joint activities, communication and work with information, creativity, technological skills.

Modern digital technologies are being updated and distributed fairly quickly. This opens up unlimited access to digital tools, materials and services. Students and teachers gain unprecedented control over their information space and its joint application. Their opportunities for self-control and mutual control, for the formation of interest in learning, for meaningful learning have expanded[3, C. 8].

Today there are a large number of learning management systems. Some of these are very simple, others are quite complex, and often quite expensive. The most popular platforms are Moodle, Google Class, Edmodo and Schoology.

Electronic textbooks are differentiated into two types:

The first is an electronic copy of a regular textbook with a small number of additional features: enlarging drawings, hyperlinks that allow you to open a topic related to the studied topic, as well as additional material not included in a regular textbook due to the legislative restriction of its weight;

The second is a whole software training complex with the ability to perform homework directly in the textbook, video examples of the correct implementation of laboratory work, audio clips for setting pronunciation when learning foreign languages and other multimedia components. Also, in similar software complexes, the possibilities of including them in the local network of a class or school are implemented so that the teacher can control the process of doing exercises by each student or give group tasks.

An electronic library is an ordered collection of diverse electronic documents (including books, magazines) equipped with navigation and search tools. Can be a website where various texts gradually accumulate (more often literary, but also scientific and any other, up to computer programs) and media files, each of which it is self-sufficient and at any moment can be claimed by the reader. Digital libraries can be universal, striving for the widest selection of material (like the Maxim Moshkov Library or Librusek), and more specialized, like the Fundamental Electronic Library. An open license is a contract, a peculiar way of an author to bring his work to the maximum number of users. Permission to use the work without additional agreements on certain conditions and with certain restrictions indicated directly in this license.

Mobile learning is any learning activity in which predominantly or portable devices are exclusively used – telephones, smartphones, tablets, sometimes laptops and the like, but not ordinary desktop computers. Using students' mobile capabilities, the mobile learning system can solve the following educational problems:

- transfer of administrative information to students (timetable, tuition fees, etc.);
- personal media library of electronic educational resources, work with educational content (textbooks, reference books, dictionaries, audiovisual information);
- organization of trainings using training programs, search engines and Internet resources, the collective interaction of students and teachers, additional services (global positioning system, etc.);

A university is a system mechanism of compact management, and a digital school in a region is a global territorial system of hundreds of educational organizations in a single management by the region through a network of municipal clusters. So far, digital schools are separate pilot schools that have begun to introduce digital services and educational resources.

It can be argued that we are currently building a digital education system, and this is a very important and high-tech process, based, inter alia, on new ICTs that provide technological solutions for new education and, of course, enable educational innovations to be implemented. It is important that the pedagogical community in this process perceives new ICTs in education not as a spectator, but as a creative community of like-minded creators. At the same time, the risk factor is obvious – the staff unpreparedness of teachers for the introduction of digital education, which can both strengthen its pace and slow them down severely.

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Алматы, Қазақстан.

#### ӘЛЕУМЕТТІК- ПЕДАГОГИКАЛЫҚ ЖҰМЫСТА ЗАМАНАУИ АТА-АНАЛАРДЫҢ ЕРЕКШЕЛІКТЕРІН ЕСКЕРУ МӘСЕЛЕСІ

Аннотация: Мақалада әлеуметтік педагогтің ата-аналармен жұмысы қарастырылады. Мұнда көтерілген басты мәселе- заманауи ата-аналардың ерекшеліктері және олардың педагогикалық білімін көтеруді ұйымдастыру. Авторлар заманауи ата-аналардың ерекшеліктерін көрсеткен, олардың