

MODERN METHODS OF TEACHING FOLKLORE USING DIGITAL TOOLS

◆
DİJİTAL ARAÇLARI KULLANARAK FOLKLORU ÖĞRETMENİN MODERN YÖNTEMLERİ

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Öz

Makale, modern eğitimin küreselleşmesi bağlamında dijital kaynakları kullanarak değerli edebi mirası öğretmenin etkili yollarını tartışmaktadır. Modern eğitim sisteminin temel görevlerinden biri, yenilikçi teknolojilerin tanıtılması ve dijital bir toplumda rekabetçi uzmanların yüksek kalitede eğitimi için yeni çözümler aranmasıdır. Bu nedenle çalışma, modern öğrenmenin yollarını analiz etmekte ve dijital teknolojileri kullanarak yenilikçi öğretim yöntemlerini sistematize etmektedir. Bu bağlamda folklor eserlerinin, özellikle de epik anlatılarla masalların analiz edilmesinde ve etkileşimli bir sanal ortam oluşturulmasında bu teknolojinin öneminden bahsedilmektedir. Eğitim sürecinde dijital teknolojilerin kullanılmasının avantaj ve dezavantajları nedeniyle, araştırma makaleleri ve dijital araçların kullanımıyla ilgili çeşitli bilimsel kaynaklar özetlenmiştir. Etkileşimli platformlar, multimedya kaynakları ve yapay zeka yetenekleri de kültürel mirası korumak ve yeni nesil arasında öğrenmeye ilgi uyandırmak için kilit araçlar olarak kabul ediliyor. Bu yenilikçi sistemin yetenekleri analiz, değerlendirme ve izleme için etkin bir şekilde kullanılabilir. Bu tür yenilikçi sistem teknolojileri sadece folklor eserlerini görselleştirmeye yardımcı olmakla kalmaz, aynı zamanda öğrenciler için erişilebilirliklerini artırarak bilgilerinin daha derin bir şekilde anlaşılmasını ve genişletilmesini teşvik eder. Bu çalışmada örneklem, epik anlatılar ve masallarla sınırlı tutulmuştur.

Anahtar Kelimeler: Dijital Kaynaklar, Yapay Zeka, Dijital Yeterlilik, Folklor, Yenilikçi Yöntemler.

Abstract

The article discusses effective ways to teach valuable literary heritage using digital resources in the context of the globalization of modern education. One of the main tasks of the modern education system is the introduction of innovative technologies and the search for new solutions for high-quality training of competitive specialists in a digital society. Therefore, the study analyzes the ways of modern learning and systematizes innovative teaching methods using digital technologies. In this context, the importance of this technology in analyzing folklore works, especially epic narratives and fairy tales, and in creating an interactive virtual environment is mentioned. Due to the advantages and disadvantages of using digital technologies in the educational process, research papers and various scientific sources related to the use of digital tools were summarized. Interactive platforms, multimedia resources and artificial intelligence capabilities are also considered as key tools for preserving cultural heritage and sparking interest in learning among the new generation. The capabilities of this innovative system can be effectively utilized for analysis, evaluation, and monitoring. Such innovative system technologies not only help to visualize folklore works, but also enhance their accessibility for students, fostering a deeper understanding and expansion of their knowledge. In this study, samples are limited to epic narratives and folk tales.

Keywords: Digital Resources, Artificial Intelligence, Digital Competence, Folklore, Innovative Methods.

Introduction

In the modern world, digital technologies are widely used in various social environments of society, including in the field of education, which helps to accelerate the learning process. The field of education is dynamic, so it is natural that it undergoes constant

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changes. One of such urgent changes can be called the transition of education to a digital format associated with the adoption of “Digital Kazakhstan”. This change was given an impetus by the fact that the address of the head of state, entitled “Economic orientation of fair Kazakhstan”, emphasized the strategic importance of digitalization and identified the main directions for the development of education to become a leading country in the introduction of information technology.¹ In general, digitalization of education in Kazakhstan is becoming an important aspect of educational transformation. The vision of future educational institutions is often associated with the transition of all participants to a cloud-based learning system, which includes online classes, the provision of open educational content, and a detailed and flexible individual approach to each student.

In the era of globalization, digital technologies play an important role in the educational process on a daily basis. The field of application of several innovative systems, including intelligent devices, artificial intelligence, augmented reality, virtual reality and digital applications, is widely recognized in the field of education.² These innovative systems contribute to the new learning of literary heritage, including folklore works. Folklore works serve as the most important means of preserving and transmitting national culture, passing on the history, traditions and vital values of the people from generation to generation.³ Epics, fairy tales, folk songs, legends and other folklore works are an integral part of the cultural heritage, reflecting the ideological foundations and spiritual aspirations of the people, contributing to the strengthening of their national identity and identity. Therefore, teaching folklore works should be aimed at their deep understanding, analysis and preservation using modern techniques and technologies. The inclusion of digital resources and interactive platforms in the educational process helps to make the study of folklore more accessible and functional.

Research related to the digitization of folklore works in the learning process often manifests itself in the form of scientific articles without special in-depth consideration. Therefore, approaches and methods of using digital technologies in education require a comprehensive analysis. Strategies and methods of modern education, digitalization of organizational forms, formation of digital competence of future philology students and analysis of quantitative programs necessary for this are the basis of the relevance of the topic. First of all, let's consider domestic research papers related to the importance of technology in teaching the discipline. Researchers F. B. Buribekova, N.J. Zhanatbekova define the importance of technology in the education system as "pedagogical technology is a systematic planning method for achieving an effective form of learning and assimilation of knowledge through the assessment and use of the entire learning process, taking into account technical resources."⁴ Therefore, in the era of globalization, the application of new technologies to the development of a competitive national education system and the continuity of its capabilities in integration into the global educational environment is becoming important.⁵ In this context, when mastering new technologies for teaching literature, it is necessary to pay attention to those aspects of the discipline that correspond to its internal content, the following questions:

¹ “Message from the Head of State Kassym-Jomart Tokayev to the people of Kazakhstan on the topic “Economic focus of a fair Kazakhstan” 01.09.2023. <https://www.akorda.kz/kz/addresses> (Access date: 17.05.2025)

² F. L. Goal & E. Prasolova-Forland, “Special Section Editorial: The Frontiers of Augmented and Mixed Reality in All Levels of Education”, *Education and Information Technologies*, 27(1), 2022, p. 611.

³ For the functions of folklore, see William R. Bascom, “Four Functions of Folklore”, *The Journal of American Folklore*, Vol.: 67, Issue: 266, 1954, pp. 333-349.

⁴ F. B. Buribekova and N.J. Zhanatbekova, *Modern Pedagogical Technologies*, Almaty 2014, p. 360.

⁵ K. A. Sarbasova, *Innovative Pedagogical Technologies*, Almaty 2006, p. 116.

- The correct choice of methodological systems that ensure the result, in accordance with the specifics of the educational content
- The ability to formulate specific goals and objectives depending on the content
- Selection and synthesis of educational technologies in accordance with their effectiveness for the content
- The organization of students' activities with a focus on a pre-designed result.⁶

Today, the integration of an innovative technology system is of great importance in the course of studying the discipline. One of them is aimed at digitalizing the educational process. In other words, one of the main tasks is to increase the digital competence of future youth worthy of the new century, as well as promote comprehensive education and become competitive specialists. At the same time, digital didactics allows for meaningful and effective use of modern digital technologies and tools in the educational process. According to scientists, the digitalization reform is to create opportunities for equipping educational institutions with high-quality software: information systems that allow access to educational resources, the results of modern scientific research and development, and electronic scientific libraries in various languages. Digitalization of education is perceived as the creation of a digital educational environment to achieve high-quality educational indicators, the emergence of opportunities for individual learning.⁷

Digital educational environment the development of an individual educational route that meets the individual needs of students not only makes students active consumers of electronic resources, but also provides new opportunities for resource developers and others. The importance of the creativity of an educational teacher in a particular system of education is determined by a number of values. In this regard, the creative approach of the teacher is also very relevant. In terms of quantitative learning, the teacher needs to develop social, scientific, and practical aspects. Because in the context of the radical changes taking place and those changes in society, a new person with a special mindset is being formed. The famous scientist M. M. Potashnik expresses the opinion that the work of a teacher is always associated with creativity, since each student is unique, and new conditions require non-standard solutions. Any pedagogical decision is formed under the influence of factors in non-standard solutions.⁸ Delving into this opinion, the teacher should be able to uniquely combine non-standard approaches to solving pedagogical problems, new methods, forms, techniques and means of teaching, reproduce and apply well-known methods in accordance with the new situation, organize the search and acquisition of experience by students with admiration, admiration, along the way to develop their highly developed intuition and successful ability Using the ability to improvise is a manifestation of creativity. Researcher A.K. Markova, in one of her opinions on pedagogical creativity, notes that teaching and independent education of teachers are associated with an original analysis of pedagogical reality, the development of professional self-awareness and the ability to interact with others in the course of their activities. The greatest role in the formation of professional level is played by scientists V. A. Kankalik, N.D. Nikandrov, who raised the problem of their own pedagogical creativity, self-improvement of the personality, and its professional consciousness to a certain level. For example: 1) the emergence of pedagogical thought; 2) the analysis of final thought; 3) the transformation of pedagogical thought into action; 4) a demanding assessment of the result of creativity.⁹

⁶ B. D. Jumaqeva, *Methods of Teaching Kazakh Literature*, Almaty 2015, p. 125.

⁷ N. M. Mammadova, "Man in the Age of Digitalization: On the Verge of the Real and the Virtual," *The Age of Globalization*, Issue: 3, 2021, pp. 74-85.

⁸ A.K. Markova, *Psihologiya Professionalizma*, Moskva 1996.

⁹ V. A. Kan-kalik, *Pedagogičeskaya Deyatel'nost kak Tvorčeskij Protse*, Moskva 1976. p. 67.

Digital technologies have great potential in the development of teachers' creativity. While these technologies require the use of synchronous, asynchronous methods, multimedia technologies, cloud technologies, computers, laptops, mobile phones and other electronic educational resources, they, in turn, form and further improve the literacy and competence of teachers in this area. The effective use of artificial intelligence in the learning process based on the digitalization of education is set before the main tasks of today. Especially in literature lessons, it is obvious that learning using this digital resource is of interest to students. The use of artificial intelligence-based fairy tales in the learning process also has a significant impact on students' memorization of the storyline. First, the purpose of the lesson is determined and the logical sequence of the material is established. In addition, the main elements that must be learned by students are determined, including those selected depending on the needs of demonstration of phenomena. In teaching literature, there are many advantages of considering samples of folklore fiction. For example, the literature curriculum in secondary education institutions presents various examples of folklore works. Additional hours have been allocated from fiction to the epic narratives "Er Tostik", "Kulamergen", "Ayaz bi". In this context, fairy tales not only occupy a special place in the upbringing of children, but also play an important role in the life of the future. Firstly, it develops the child's imagination, teaches them to dream and speak correctly. From an educational point of view, a fairy tale instills in a child the ability to distinguish between good and evil, virtues such as morality. Using Chat GPT in teaching versions of different epic narratives, such as "Er Tostik", "Kulamergen" will help consolidate students' knowledge, memorize the logical sequence of the material, systematize the material learned, and improve critical thinking skills. According to research by scientists, 70% of information is perceived by sight, 20% by hearing, and 10% by other senses. Therefore, the connection of hearing with vision allows us to fully perceive and memorize certain information.¹⁰

The important role of digital educational resources is clearly visible at the stage of practical application of knowledge. It is also necessary to take into account the requirements of using technical means when teaching fairy tales. For example, when working with a slide projector, keep in mind that the size of the image projected onto the screen is proportional to the distance between the projector and the screen. The further away the projector is, the larger the image. Therefore, with a projector, it is necessary to create favorable conditions for showing fairy tales on the screen. These visual visualizations are important for working with the text in fairy tales, using meaningful material in speech practice. The scientific justification for the position of clarity was laid by Ya. A. Komenskiy: "... this should become the golden rule for students: students recognize surrounding objects through sight, hearing, feeling."¹¹

In the educational process, the teacher plays a major role in solving the problems of the level of use of digital educational resources. Its rational use allows students to visually demonstrate and reveal the essence of modern achievements of science, technology, culture and the history of the past, to travel to another universe. Digital learning tools used during classes have their own characteristics. Here, first of all, it is necessary to monitor the fulfillment of didactic requirements and proceed from them. The famous methodologist, scientist K. Bitybayeva paid special attention to the teaching of fairy tales. She noted:

¹⁰ P. A. Kisyakov, *Audiovizual'nye Tehnologii Obuçeniya. Uçeb'no-Metodiçesko Posobie*, Şuya 2009. p. 142.

¹¹ Ya. A. Komenskiy, *Didaktiçeskie Printsipi: Otrivki iz "Velikov Didaktiki"*, Gosudarstvennoe Uçebno-Pedagogiçeskoe İzdatel'vo NARKOMPROSA RSFS, Moskva 1940.

“Regardless of the genre, children read fairy tales with great interest. They are attracted by fantastic events, fascinating adventures of the main characters, their bravery and courage.”¹²

Analyzing current trends, artificial intelligence has opened up new opportunities in teaching folklore works, which are an important part of cultural heritage, ensuring the adaptation of educational programs to the abilities of each student. If we pay attention to the main advantages of this innovative system, we can highlight the following aspects:

1. Volume data analysis: can process and analyze large volumes of texts, audio and video materials. This allows researchers to find and organize information about folklore faster.

2. Recognition and classification: Motifs, plots and characters in folklore can be automatically recognized and converted into an animated video. This is effective in teaching examples of fiction.

3. Translation and interpretation: Translates folklore texts into different languages, making them accessible to a wide audience. This is especially useful when studying the folklore of small nations and ethnic groups.

4. Creation of digital archives: creation of digital archives of folklore materials, ensuring their preservation and accessibility for future generations.

5. Automation of daily tasks: Can automate everyday tasks such as transcribing audio recordings or digitizing texts.

These advantages contribute to the preservation of cultural heritage and the deepening of knowledge about the traditions and customs of different peoples. However, for the effective application of this innovative system, it is important to have qualified specialists who are able to methodically use artificial intelligence in the educational process. Currently, there are many neural networks that can be used in teaching folklore works. It is used to process unstructured datasets of large volumes and various formats. Among them are: “Midjourney”, “Looka”, “Dream”, “Wepik”, “Synthesia”, “Murf”, “D-id”, “Sonorous”, “Runway”, “Tome”, “ChatGPT”, “Perplexity” and “GigaChat”. For example, when teaching students the artistic genres of folklore, it is optimal to use these neural networks. And at the university, it is beneficial to use platforms to develop independent student search. At the same time, the teacher-organizer of the educational process has a high position. If a teacher effectively uses traditional and innovative teaching methods, he focuses on productive education. This contributes to the formation of a style of pedagogical creativity. Neural networks allow you to create new learning materials based on the needs of the target audience and new learning requirements. In particular, it will help you create drawings, ready-made exercise systems, and test tasks for intermediate and final control that meet the requirements of the lesson and the teacher’s requests.

Along with the listed advantages of using artificial intelligence in the learning process, there are also disadvantages. First, too much reliance on artificial intelligence can reduce direct interaction with humans. This has a negative effect on social and emotional development. Secondly, too much trust in this system can hinder the development of students' critical thinking. In addition, sometimes this system also provides incorrect data rather than accurate information. At the same time, it is important to effectively use digital technologies as a means of teaching folklore works. In publications devoted to the digital transformation of school and higher education, it is noted that this process is closely related to the revision of teaching methods and the professional development of teaching staff.¹³ Some studies show that due to limited digital skills, teachers prefer traditional teaching

¹² K.O. Bitibayeva, *Ādebiyetti Okıtuvdıñ İnnovatsiyalıq Ādistemesi, Tehnologiyası. Okuv-Ādistemelik Kural*, Tom I, Ōskemen 2015.

¹³ İ. V. Robert, “Stifrovaya Transformatsiya Obrazovaniya: Tsennostnie Orientiri, Perspektivı Razvitiya”, *İnformatizatsiya Obrazovaniya Nauki*, Volume: 3, Issue: 47, 2020, pp. 3-16.

methods instead of using digital technologies.¹⁴ However, digital resources have significant potential, allowing the design and transformation of various pedagogical forms. By creating Digital resources, they allow the design and transformation of various pedagogical forms of learning into the development of holistic, authorized basic and elective training courses, starting with video lessons and lectures. As a result, teachers effectively implement many methodological goals using quantitative methods. In addition, one of the advantages of using digital resources in education is the accessibility of education for all students. Sometimes it may be difficult for some students to complete their education due to physical limitations. Thanks to online platforms and virtual classrooms, digital tools are suitable for learning for everyone, regardless of location and physical capabilities.

Conclusion

The formation of digital competencies of teachers and students, as well as specialists in each industry, is a key condition for the development of digital culture. Without it, the innovative development of society and its social systems becomes impossible. In this context, education must meet the criteria of digitalization, effectively integrate electronic resources into the educational process, and rationally combine digital and traditional teaching methods. Mastering digital competencies requires teachers' digital literacy and their readiness for online education. Digital literacy is basic because it, along with other factors, ensures the innovative development of the educational environment. The continuous development of digital culture and digital skills plays an important role in the training of a new generation of specialists.

In accordance with modern innovative strategies, a teacher should combine digital technologies with traditional teaching methods, focusing on the comprehensive development of students. In the context of globalization, digital technologies make it possible to visualize folklore texts, animate folklore motifs and patterns, and create virtual educational environments for interactive learning. Digitalization of the educational process helps automate the systematization and visualization of folklore works, making them accessible and interesting to students. Effective implementation of digital technologies not only preserves cultural heritage, but also popularizes it among young people, increasing their interest in national culture, and facilitating the study of traditions and history through digital tools.

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Modern Methods of Teaching Folklore Using Digital Tools

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