

¹**Stybayeva A.Sh.*,** ²**Madaliyeva S.L.,** ³**Vlasova V.A.**

¹a candidate of pedagogical sciences, an Associate Professor of the Chair of «Special and Social Pedagogy» of Taraz Regional University named after M.Kh. Dulati, Taraz, Kazakhstan

²teacher-researcher, an elementary school teacher of the highest category,
sh. №23, Shymkent, Kazakhstan

³master of Psychology, psychologist of kindergarten No. 64 Lipetsk, Russian Federation

THE USE OF DIGITAL EDUCATIONAL RESOURCES IN KINDERGARTEN

Автор - корреспондент: a.stybaieva@mail.ru

Abstract: The article deals with the problem of using digital technologies of teaching in kindergarten on the example of the educational resource «Fundamentals of literacy». The authors reveal the relevance of this problem, analyze the positive aspects of digital resources in the education of preschoolers, as well as the conditions for their effective use in practice. The purpose, objectives and expected results of the digital educational resource «Fundamentals of Literacy» are highlighted. The novelty of the development lies in the fact that the digital format allows you to compose educational material using various methods and techniques. This format simultaneously affects all the child's analyzers (hearing, vision and touch), both during the demonstration of the studied material and in the process of performing tasks based on the sample from the educator in an interactive mode. This increases the effectiveness of training.

Key words: digital educational resource, kindergarten, basics of literacy, optimization of the educational process.

Introduction. At the present stage, without digital technologies, it is no longer possible to imagine an educational process that meets the requirements of the modern information society. Digital educational resources (DES) are the most important component of all areas of activity of a modern teacher, contributing to the optimization, as well as integration of educational and educational activities.

The relevance of the DES «Fundamentals of literacy» lies in the fact that currently in Kazakhstan and around the world, due to the pandemic, a new education system is being formed, focused on distance learning and entering the world information and educational space. Digital educational resources play an important role in optimizing the educational process.

Theoretical analysis. This process is accompanied by significant changes in the pedagogical theory and practice of the educational process associated with making adjustments to the content of learning technologies. They should be adapted to modern technical capabilities and contribute to the harmonious entry of the child into the information society.

Digital publications for educational purposes, having all the advantages of paper publications, have a number of positive differences and advantages. In particular: compact storage in the laptop memory or on a flash drive, mobility, replicability, the ability to quickly make changes and additions, the convenience of sending via email or messengers Whatsapp, Telegram, etc.

The experimental part. The purpose of the DES «Fundamentals of literacy»: to provide methodological assistance to teachers of the preparatory group and pre-school class in familiarizing children aged 5-6 with the basics of literacy in the Kazakh and Russian languages.

The resource's tasks:

- introduce children to the letters of the Kazakh and Russian alphabets and the basics of literacy;
- contribute to the expansion of vocabulary and coherent speech, the development of phonemic hearing, visual and motor memory;
- develop self-confidence, communication skills and cognitive interest in learning.

According to the standard educational program of preschool upbringing and education (Order of MES RK dated 24 September 2020 No. 412), in the framework of the use of this project, the following knowledge, skills and abilities are formed in children:

- ideas about the terms «letter», «sound», «syllable», « word»;
- distinction between vowels and consonants;
- determining the position of the sound and letter in the word;
- correct pronunciation of sounds and words;
- distinguishing between hard and soft consonants;
- memorizing the graphic image of a printed letter and writing it;
- developed fine motor skills of the hands [1].

Results and their discussion. The use of the digital edition «Fundamentals of literacy» developed by us does not require additional training of teachers. The usual professional requirements are imposed on the teacher: education in the specialty, experience working with children, initial level of work with a personal computer.

The novelty of the project lies in the fact that the use of digital format allows you to compose educational material using various methods and techniques, simultaneously affect all the perception analyzers: hearing, vision and touch, both to demonstrate the material being studied and to perform tasks based on the sample from the educatee.

It is all known that any material is remembered better if there is an impact in a relaxed situation, and the recommended use of the game moment in the educational process creates conditions under which memory unconsciously captures information in the subconscious[2].

Thus, the digital educational resource «Fundamentals of literacy» is a training system that includes didactic, methodological and informational reference materials on the basics of literacy, which allow you to use them in a comprehensive way both to gain new knowledge and to deepen and consolidate the material passed.

The study of the material is built in accordance with the didactic principles and laws of learning. The presentation of the material goes from simple to complex, consistently and systematically, based on the knowledge and skills of children of this age, based on modern achievements of practical teachers using a variety of methods and techniques. It should be noted that the digital materials presented can be used in the course of studying the basics of literacy, Kazakh and Russian languages, fiction, speech development and integrated classes[3].

Without denying the advantages of other digital resources and paper publications, we suggest using the digital edition «Fundamentals of Literacy», the educational and methodological complexes «Siqyrlyarypter men sozderaleminde» [4], «In the world of magical sounds and words» [5], published by the publishing house «Shuǵylakitap». These educational and methodological complexes are published in Kazakh and Russian languages and include methodological manuals, demonstration materials and workbooks.

A competent combination of digital and paper didactic materials will help to build educational activities in a fun and effective way, and changing the types of presentation of material and tasks will help to avoid overwork of children. Comprehensive use of educational material on paper and digital media will help to form not only the basics of literacy, but also to develop imagination, logic, intelligence, memory, concentration, expand horizons and develop pupils' interest in learning.

The use of verbal praise and sound effects helps to maintain pupils' interest in learning the alphabet and the basics of literacy, and the use of moving elements helps to relieve visual tension.

A verbal description accessible to the understanding of the child, accompanied by a video image, will help to remember not only the graphic image of the letter, but also its elements with the sequence of writing.

The amount of information provided in a short period of time helps not only to learn new material or consolidate the passed one, but also directs and encourages a pupil to perform further actions. This includes writing printed letters along dotted lines in a notebook, drawing borders and writing letter elements, performing hatching, coloring pictures in the name of which the studied sound and letter are found, etc[6].

A teacher's speech accompanying the demonstration of the studied material will help

children learn the correct pronunciation of sounds and words, develop phonemic memory.

Short videos (5-7 minutes) will help a teacher independently build organized educational activities, think over the sequence of presentation of the material, taking into account the knowledge, skills and abilities of the pupils of this group.

Game stories, a clear tongue twister, an artistic word, didactic games, changing design elements will help to avoid distraction from the material presented and support the interest in learning in children.

The training material provides not only highly specialized knowledge of the subject under study, but also contributes to the integrated interconnection of the material with other disciplines. Attention is given to the formation of interest in the artistic word. A speech is developed by expanding the vocabulary using tasks that contribute to the development of logical thinking: generalizing words, grouping and exclusion, concentration, relationships, correspondence, analogies, etc.

Children in the learning process do not remain passive observers. They hear, see, speak and perform various tasks in notebooks, i.e. they are direct participants in the educational process. The availability of the material with the possibility of further in-depth study, praise and motivation for success contributes to the formation of a successful personality, confident in their abilities.

Using the digital educational resource «Fundamentals of literacy» in practice will allow you to get the following expected result: a comfortable developing environment will be created for the child. A child will know the graphic designation of the letters of the Kazakh and Russian alphabets, correctly pronounce sounds, distinguish vowels and consonants, determine the position of sounds in a word, select words for a given sound. A child will develop phonemic hearing and memory. The correct pronunciation will form through clear tongue twisters, tongue twisters and other assignments.

A child of 5-6 years old will actively use words that they have learned in the learning process. Under the guidance of an adult, build sentences, answer questions with complete sentences, help peers, and ask for help from adults. Have the skills to hold a pencil and pen correctly, learn and write printed letters and their elements, color pictures, show curiosity and a positive attitude to the learning process.

The use of digital learning technologies in practice, including DEC «Fundamentals of literacy», helps to increase the intellectual activity of children, teaches children to independently perceive information, perform actions by sample and the ability to make creative decisions. All this contributes to improving the effectiveness of organized educational activities. Even the most passive children are involved in educational activities with a great desire, they have a quick memorization of the material being studied, the development of creative thinking skills, and a creative approach to problems being solved. Complementing a wide range of educational technologies, digital publications help to solve the problem of forming communication skills as a condition for successful socialization of pupils and their preparation for school.

In conclusion, it should also be noted that digital educational resources and their use in the educational process contribute to the implementation of the state program «Digital Kazakhstan» [7]. From a young age, children, under the guidance of an adult, learn that a computer or any other electronic medium is not only a toy, but also a means of acquiring new knowledge.

References:

1. Standard curriculum for preschool education and training dated September 24, 2020 No. 412.
2. Basics of pedagogy and psychology: textbook / Comp. S. Gabbasov. Almaty: Times, 2008. 448 p.
3. Sıqyrly aripter men sozder aleminde. / Compiled by M. Satimbekova etc. Shymkent: Shuǵylakitap, 2017.

4. Game and developing material. Collection of didactic and mobile games for teachers of the preparatory group: methodical manual / Comp. A. Sh. Stybaeva., S. L. Madalieva. Shymkent: Shuǵylakitap, 2020. 96 p.

5. In the world of magic sounds and words. / Comp.: M.K. Abayeva etc. Shymkent: Shuǵylakitap, 2017.

6. Typical program for preschool education and training of children. Order of the Minister of Education and Science of the Republic of Kazakhstan № 412, 24.09.2020.

7. State program «Digital Kazakhstan». Resolution of the Government of the Republic of Kazakhstan No. 827 dated December 12, 2017.

Түйін: Мақалада «Сауат ашу негіздері» цифрлық білім беру ресурсы мысалында балабақшада оқытудың цифрлық технологияларын қолдану мәселесі қарастырылады. Авторлар бұл мәселенің өзектілігін ашып, мектеп жасына дейінгі балаларды оқытудағы цифрлық ресурстардың жағымды жақтарын, сондай-ақ оларды практикада тиімді пайдалану шарттарын талдайды. «Сауат ашу негіздері» цифрлық білім беру ресурсының мақсаты, міндеттері және күтілетін нәтижелері көрсетілген. Өзірлеменің жаңалығы - сандық формат әртүрлі педагогикалық және психологиялық әдістер мен тәсілдерді қолдана отырып, оқу материалын балаларға қызықты, түсінікті әрі тартымды етіп жасауға мүмкіндік береді. Бұл формат бір уақытта зерттелетін материалды көрсету кезінде және интерактивті режимде тәрбиешінің үлгісі бойынша тапсырмаларды орындау барысында баланың барлық анализаторларына (есту, көру және сипап сезу) әсер етеді. Ол оқытудың тиімділігін арттырады.

Кілт сөздер: цифрлық білім беру ресурсы, балабақша, сауат ашу негіздері, білім беру процесін оңтайландыру.

Аннотация: В статье рассматривается проблема использования цифровых технологий обучения в детском саду на примере образовательного ресурса «Основы грамоты». Авторы раскрывают актуальность данной проблемы, анализируют положительные стороны цифровых ресурсов в образовании дошкольников, а также условия их эффективного использования на практике. Освещаются цель, задачи и ожидаемые результаты цифрового образовательного ресурса «Основы грамоты». Новизна разработки заключается в том, что цифровой формат позволяет составлять учебный материал интересным, понятным для ребенка с помощью различных педагогических, психологических методов и приемов. Этот формат одновременно воздействует на все анализаторы ребенка (слух, зрение и осязание), как во время демонстрации изучаемого материала, так и в процессе выполнения заданий по образцу в интерактивном режиме, что повышает эффективность обучения.

Ключевые слова: цифровой образовательный ресурс, детский сад, основы грамоты, оптимизация образовательного процесса.