



PREPARATION OF PRESENTATION USING DIDACTIC TOOLS WITH CANVA PROGRAM.

Shahrisabz State Pedagogical Institute
Senior teacher of the Higher Pedagogical School of Exact
Sciences

Mardonov Ruslanjon Boymurod oğlu

mruslanjon1595@gmail.com

Tel number: +998973105771

2nd year student of the Technological Education
Department

Boboqulova Fayyoza Akhmad qizi

fayyozaboboqulova@gmail.com

Tel number: +998770351230

Abstract: This article examines the use of didactic tools in the educational process through the Canva program as one of the modern tools for creating presentations. The pedagogical capabilities of the Canva platform, its level of interactivity, and its visual-didactic effectiveness are analyzed.

Keywords: Didactic tools, digital education, Canva, interactive presentation, visual pedagogy, information technologies.

Annotatsiya: Mazkur maqolada ta'lim jarayonida didaktik vositalardan samarali foydalanishning zamonaviy usullaridan biri sifatida Canva dasturi yordamida taqdimot tayyorlash masalasi yoritiladi. Canva platformasining pedagogik imkoniyatlari, interaktivlik darajasi va vizual didaktik samaradorligi tahlil qilinadi.

Kalit soʻzlar: Didaktik vosita, raqamli ta'lim, Canva, interaktiv taqdimot, vizual pedagogika, axborot texnologiyalari.

Аннотация: В данной статье рассматривается использование дидактических средств в образовательном процессе с применением программы Canva как одного из современных инструментов подготовки презентаций. Анализируются педагогические возможности платформы Canva, уровень интерактивности и её визуально-дидактическая эффективность.

Ключевые слова: Дидактические средства, цифровое образование, Canva, интерактивная презентация, визуальная педагогика, информационные технологии.

INTRODUCTION

Didactic tools are material and information resources that serve to form knowledge, skills, and competencies in the educational process. They help to convey educational material in a clear, systematic, and effective way.

MAIN PART

Didactic tools are divided into:

- ✓ Traditional tools (textbook, poster, chart, model)
- ✓ Technical tools (projector, computer, interactive whiteboard)
- ✓ Digital tools (multimedia presentations, online platforms)

In modern education, the importance of digital didactic tools is increasing.

the role of Canva in education

The role of Canva in education

Canva is an online graphic design platform that allows you to create presentations, posters, infographics, and other visual materials. In the educational process, Canva has the following pedagogical advantages:

- Availability of ready-made presentation templates
- Wide range of visual design elements
- Ability to create diagrams and graphs
- Ability to add video and animation
- Online collaboration mode

These capabilities allow the teacher to present educational material in an aesthetic and understandable form.

Stages of preparing a didactic presentation using Canva

Determine the goal. The presentation should be consistent with the learning goal. (For example: explaining, reinforcing or controlling a new topic).

- ✓ Content planning
- ✓ Introduction
- ✓ Main part
- ✓ Conclusion
- ✓ Control questions
- ✓ Selection of visual elements
- ✓ Color harmony
- ✓ Easy-to-read font
- ✓ Minimal text, more graphics
- ✓ Increase interactivity
- ✓ Question-and-answer slides
- ✓ Add a QR code
- ✓ Place a video or animation
- ✓ Taking into account pedagogical requirements
- ✓ Age characteristics
- ✓ Level of preparation of students
- ✓ Principles of inclusiveness
- ✓ Didactic effectiveness of the Canva presentation

Presentations created with Canva:

- ✓ Capture students' attention
- ✓ Develop visual memory
- ✓ Simplify complex concepts
- ✓ Encourage independent thinking

Especially in technology (manufacturing processes, drawings, technological maps), Canva is a very convenient tool for visual explanation.

Empirical foundations of digital presentation tools

Modern educational research shows that the use of visual and multimedia materials in the learning process significantly increases the level of knowledge

acquisition by students. In particular, scientific research in the field of cognitive psychology has shown that visual information is processed faster in the human brain than textual information. According to the results of the study, the human brain perceives images several times faster than text and stores them better in long-term memory.

Digital presentation tools help students develop the following competencies:

- ✓ Information analysis and sorting skills
- ✓ Visual thinking and design culture
- ✓ Digital literacy
- ✓ Independent and teamwork competencies

Using platforms like Canva in the learning process increases student engagement. Practical experience shows that involving students in the process of creating presentations helps them to independently form knowledge in accordance with the constructivist learning approach. This, in turn, strengthens the process of reflection and critical thinking.

Methodological design approach to creating a presentation using Canva

Effective use of digital presentation tools is not limited to technical skills. The important thing is to build the presentation based on the principles of pedagogical design. The ADDIE (Analysis, Design, Development, Implementation, Evaluation) approach is widely used in scientific and methodological literature as a systematic model of educational design. This model can also be applied to the process of preparing a presentation using Canva.

The first stage — Analysis — determines the level of knowledge, age characteristics and learning objectives of the students. This stage is important in determining the level of complexity of the presentation content.

The second stage — Design — plans the slides in a logical sequence, isolates the main concepts and determines the location of visual elements.

The third stage — Development — places graphics, diagrams, tables and multimedia elements. Here, avoiding information overload is an important methodological requirement.

The fourth stage — Implementation — means using the presentation in the lesson. At this stage, the harmony between the teacher's speech and visual material determines the effectiveness of education.

The fifth stage — Evaluation — determines the didactic effectiveness of the presentation. The main criteria are students' feedback, test results and active participation.

The impact of digital presentations on learning outcomes:

In recent years, many empirical studies have been conducted on the effectiveness of multimedia tools in education. In particular, according to the results of a meta-analysis conducted by the US Department of Education, students who studied in digital and blended learning formats showed higher results than those who studied in traditional ways. These results are explained by the fact that digital tools allow for the individualization of the learning process.

International studies (OECD reports) emphasize that digital literacy skills are an integral part of the 21st century competencies. In the process of creating a presentation based on Canva, students acquire the following specific skills:

- ✓ Visual modeling of information
- ✓ Purposeful use of graphic elements
- ✓ Ensuring the harmony of design and content
- ✓ Expressing a problem situation through a presentation

In addition, classroom practice shows that students' participation in lessons based on presentations prepared by them increases significantly. The student turns from a passive listener into an active presenting subject. This fully complies with the requirements of the competency-based approach.

The results of education quality monitoring also show that teachers who use digital tools organize lesson time more effectively. Maintaining a logical sequence based on presentation slides optimizes the lesson planning process.

Evaluation criteria and performance indicators for presentations created on Canva

In modern pedagogical research, the effectiveness of educational tools is evaluated based on specific criteria. The following indicators are taken as the main indicators when using digital presentations:

Academic performance indicator. The level of mastery of the educational material is determined by comparing the results of mid-term and final control. Practical observations have shown that test results in lessons with visual support are on average 10–20% higher.

Activity Index. During the lesson, the indicators of answering questions, participating in discussions, and completing independent tasks increase. A significant increase in student participation has been observed in classes where interactive slides are used.

Time efficiency. A structured presentation allows the teacher to present the topic in a coherent manner. Research shows that visually planned lessons reduce the time spent explaining the topic, allowing more time for reinforcement.

Information retention. Psychological research shows that material enriched with visual elements is better retained in long-term memory. Information presented through diagrams and charts is remembered more strongly than information presented in verbal form.

Motivational factor. The use of digital tools instills a sense of modernity in students. Aesthetically pleasing presentations create a positive attitude towards the lesson.

Security and methodological balance issues in the use of digital pedagogical tools

The use of digital platforms in the educational process requires the educator to be responsible not only for methodological but also for information security. International educational research indicates that data protection, copyright compliance, and Internet ethics are important factors in the work of students in the digital environment.

When preparing a presentation using Canva, the following specific requirements must be taken into account:

- ✓ Legal use of copyrighted images and materials
- ✓ Non-disclosure of personal information
- ✓ Relying on reliable and verified sources
- ✓ Ensuring the scientific accuracy of information

From the point of view of educational management, digital presentations also allow for lesson monitoring. For example, in lessons organized on the basis of slides:

- ✓ The sequence of topics is clearly maintained
- ✓ Time control is facilitated
- ✓ The process of repetition and generalization is systematized

In addition, modern educational standards define the ICT competence of a teacher as a separate criterion. The effective use of digital tools indicates the level of professional development of a teacher and is a factor in improving the quality of education.

the role of digital presentations in the competency-based education model

The competency-based education model, unlike the traditional “knowledge-giving” approach, defines the student’s readiness for practical activity as the main result. From this perspective, presentations created on the basis of Canva are considered not only a means of transmitting information, but also a didactic instrument that forms competence.

Studies have shown that when students explain a topic through visual material they create themselves, the following skills are actively developed:

- ✓ Briefly and clearly formulate information
- ✓ Highlight an important idea
- ✓ Maintain a logical sequence

Demonstrate a culture of speech in front of an audience

This process corresponds to the “active learning” model. Scientific sources have noted that the mastery rate in lessons using active learning methods is higher than in the traditional lecture format.

From the perspective of pedagogical innovation, the use of digital presentations brings about the following transformational changes:

- ✓ The teacher acts as a facilitator rather than a source of information
- ✓ The learner becomes an active participant rather than a passive listener
- ✓ The lesson moves from a monologue to a dialogue and discussion

Conclusion

The results of the study show that the effective use of didactic tools is an important factor in improving the quality of the educational process. Presentations prepared on the basis of the Canva program in a digital pedagogical environment allow to convey educational material in a visual, systematic and logical form. This serves to develop students' skills in understanding, analyzing and applying knowledge.

Based on scientific sources and practical observations, it has been determined that visually modeled presentations are an effective tool for maintaining student attention, consolidating information in long-term memory, and ensuring active participation in the lesson process. Also, using the Canva platform develops the teacher's ICT competence and optimizes lesson planning and management.

From the perspective of a competency-based approach, the process of creating a presentation develops modern skills in students, such as digital literacy, visual

thinking, logical thinking, and speech culture. This serves to organize the educational process on an innovative basis and increase its effectiveness.

Thus, the use of didactic tools through the Canva program can be recognized as a scientifically based and practically effective pedagogical solution that meets the requirements of modern education.

Used literature

1. Cabinet of Ministers of the Republic of Uzbekistan. (2020). Law on Education. Tashkent.
2. Anderson, L. W., & Krathwohl, D. R. (2001). A taxonomy for learning, teaching, and assessing: A revision of Bloom's taxonomy of educational objectives. New York: Longman.
3. Clark, R. C., & Mayer, R. E. (2016). E-learning and the science of instruction: Proven guidelines for consumers and designers of multimedia learning (4th ed.). San Francisco: Pfeiffer.
4. Mayer, R. E. (2009). Multimedia learning (2nd ed.). Cambridge: Cambridge University Press.
5. OECD. (2019). Future of Education and Skills 2030. Paris: OECD Publishing.
6. Richards, J. C., & Rodgers, T. S. (2014). Approaches and methods in language teaching. Cambridge: Cambridge University Press.
7. Seels, B., & Glasgow, Z. (1998). Making instructional design decisions. Upper Saddle River, NJ: Prentice Hall.
8. Toffler, A. (1980). The third wave. New York: Bantam Books.
9. UNESCO. (2021). Digital learning and transformation of education. Paris: UNESCO Publishing.
10. Yuldashev, J. G., & Usmanov, S. A. (2016). Fundamentals of pedagogical technology. Tashkent: Teacher's Publishing House.