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Modern Methods Of Teaching Garment Production Technologies In A Digital Educational Environment

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Abstract. This article presents a comprehensive analysis of modern sewing teaching methods in a digital learning environment. It also highlights the importance of information and communication technologies in developing students' professional knowledge, skills, and competencies. The potential for improving educational effectiveness through digital platforms, computer-aided design (CAD) systems, and interactive pedagogical approaches is explored.

Keywords: digital education, sewing, CAD systems, innovative methods, competence, interactive education.

Introduction. Today, digitalization processes are rapidly developing in all areas of society. This process has a direct impact on the education system, creating the need for a radical update of teaching methods and tools. The use of modern approaches is particularly relevant in the field of sewing, which requires practical skills.

While traditional teaching methods are more focused on imparting theoretical knowledge, digital learning environments allow students to independently acquire knowledge, apply it in practice, and develop creative thinking. Therefore, the development and implementation of digitally enabled teaching methods is a critical task. [1]

A digital educational environment is a system based on organizing the educational process using electronic resources, software, and internet technologies. This environment enhances interactive communication between teacher and student and makes the educational process more flexible. The use of digital tools in sewing education offers the following advantages: firstly, it allows

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for visual demonstration of complex technological processes; secondly, students have the opportunity to work independently, depending on their level of proficiency; and thirdly, it reduces dependence on time and space. For example, step-by-step demonstrations of sewing operations using video tutorials and explanations of clothing construction using 3D modeling are much more effective than traditional methods. [2]

To achieve effective results in a digital educational environment, it's important to use innovative teaching methods. One such method is blended learning, which combines traditional and online learning. This method allows students to independently explore theoretical knowledge and reinforce it through practical lessons.

Another effective approach is the "flipped classroom" method. With this method, students learn a new topic before class and then complete practical assignments during class. This results in efficient class time management. [3]

Project-based learning is also important. With this approach, students independently conduct research, solve problems, and visualize the final result while creating a specific product, such as a clothing model. This helps them develop professional competencies. Furthermore, the case study method, based on the analysis of situations similar to real-life production processes, is also effective in developing students' thinking. [4]

The modern clothing industry is unimaginable without computer technology. Therefore, the use of computer-aided design (CAD) systems in the educational process is of great importance. With CAD programs, students can create clothing patterns, simulate designs, and accurately calculate sizes. This not only saves time but also improves the quality of their work. CAD systems also develop students' skills to meet the demands of modern manufacturing. As a result, they will become competitive specialists in the job market.

The use of various digital platforms in the educational process improves the effectiveness of learning. E-learning systems can automate the processes of posting educational materials, assigning assignments, and grading. [5]

For example, online platforms allow students to access course materials at any time and independently reinforce their knowledge. Forums and chats also provide the opportunity for ongoing communication with the teacher. Video

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platforms allow for remote observation and review of practical exercises. This is especially important for practical subjects such as sewing technology. The effectiveness of a digital educational environment depends on a number of factors.

First and foremost, teachers must have sufficient digital competence. Developing the educational institution's technical infrastructure also plays a key role. Improving student motivation is also a key factor. Interactive methods, visual aids, and hands-on activities can help increase student interest in the subject. As a result, students will absorb knowledge more deeply, develop independent thinking, and strengthen their practical skills.

Conclusion. In conclusion, it should be noted that teaching sewing technology in a digital environment is a key area of modern education. Innovative pedagogical approaches and the effective use of digital platforms and CAD systems can take students' knowledge to a whole new level. In the future, it will be important to expand research in this area, develop new methods, and implement them in practice.

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