

DEVELOPING DESIGN COMPETENCIES IN A DIGITAL EDUCATIONAL ENVIRONMENT: A NEW DIDACTIC APPROACH

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ABSTRACT

In the context of rapid digitalization, enhancing design competencies among students has become a key focus in modern education. This study presents a new didactic approach aimed at developing design competencies in 10th-grade students through the use of electronic didactic support. By integrating advanced information technologies, the proposed approach emphasizes interactive, project-based learning methods that foster creativity, critical thinking, and problem-solving skills. The findings indicate that the structured use of digital tools significantly improves students' ability to plan, design, and implement projects effectively. This research highlights the importance of a well-designed digital educational environment in shaping future-ready learners.

Keywords: Digital education, design competencies, electronic didactic support, project-based learning, 10th-grade education, modern information technologies, critical thinking, digital pedagogy.