

## TECHNOLOGY FOR DEVELOPING DESIGN THINKING THROUGH ART PEDAGOGY

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### Abstract

This article is dedicated to investigating the technology of developing design thinking through art pedagogy. Design thinking is viewed as an innovative approach that aids in fostering students' creative and systematic thinking. Art pedagogy is a methodology for organizing the educational process through the medium of art. This study explores the potential for developing students' creative and analytical skills through the integration of design thinking and art pedagogy. The article provides insights into effective methods for cultivating students' creative thinking and problem-solving abilities. The research findings highlight the significance of implementing new technologies in art and design education.

**Keywords:** Art pedagogy, design thinking, educational technologies, creative thinking, art and education, innovative pedagogy, creativity, problem solving.

### Introduction

One of the pressing tasks in modern educational processes is the development of creativity and the formation of students' analytical and systemic thinking skills. From this perspective, design thinking serves as an important tool for implementing an innovative approach to education as a pedagogical method. Design thinking combines creative and systematic thinking, enhancing students' problem-solving abilities. This article covers the technology of developing design thinking through art pedagogy, as teaching through art encourages students to be active, think creatively, and be open to new ideas.[1]

### The role of art pedagogy in design thinking

Art pedagogy is a methodology for organizing the educational process through art and creative activity, which aims to develop students' aesthetic taste, shape their creative approaches, and enhance their emotional and intellectual experiences.[5] Design thinking teaches a creative approach to problem-solving, ensuring multi-stage analysis of the process and the creation of innovative solutions. Developing design thinking through art pedagogy allows students to develop both visual and conceptual thinking.

Technology for integrating art pedagogy and design thinking

The technology of combining art pedagogy and design thinking can consist of the following key elements:

Identifying and understanding the problem: At this stage, learners identify real-life problems. Through art pedagogy, they delve deeper into understanding these problems through works of art, visual lessons, or creative projects. By analyzing works of art, students express their feelings and thoughts. Inspiration and Research: Art pedagogy is of great importance in gaining inspiration, which is one of the important stages of design thinking. Students learn new ideas, visual solutions, and creative

approaches through various art forms. Through this, they seek new and unconventional ways to solve problems.

**Creating creative solutions:** In the process of art pedagogy, students express their ideas by creating works of art. In the design thinking approach, this stage focuses on students visualizing various concepts, designing ideas, and presenting them in a practical form. This develops their creative and critical thinking.[3]

**Creating and testing prototypes:** Through art pedagogy, students have the opportunity to create creative projects and prototypes. In design thinking technology, this stage involves improving prototypes by testing and revising them. Art and design encourage students to experiment and innovate.

**Reflection and analysis:** At the end of the process, students analyze their work and evaluate the results obtained. Art pedagogy develops skills in experiencing and evaluating art at this stage. Design thinking teaches students to analyze their ideas and processes and use them in their future activities.[2]

#### Research results

Through this study, a significant development of students' abilities to think creatively, solve problems, and apply new approaches was observed as a result of integrating art pedagogy and design thinking. Students' creative and analytical thinking, as well as their visual and conceptual approaches, were reinforced in the process of creating and revising projects.[4]

#### Conclusion

The technology of integrating art pedagogy and design thinking is one of the effective methods aimed at developing students' creative and analytical thinking. Through this approach, students learn about art and design processes and gain the opportunity to use them to solve problems. Developing design thinking through art pedagogy yields effective results in applying creative and innovative approaches in the modern education system.

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