

## Development Of Creative Thinking Through 3d Modeling

Adil Sagimbaev<sup>1</sup>, Diana Nurmukan<sup>2</sup>

### Abstract:

The article discusses the development of creative thinking of future specialists through 3D modeling and methods aimed at the formation of creative thinking and activation of creative activity. The aim of the study is to increase the effectiveness of the development of students' creative thinking by substantiating the directions, methods and means that allow developing the spatial imagination and creative activity of students. The study showed the multifactorial nature of creative thinking and the difficulty of determining a single indicator for assessing the creative potential of an individual. The ability of trainees to independently and correctly solve positional and metric problems in engineering graphics was chosen as an indicator of efficiency. In the process of enhancing the development of students' creative thinking, the main attention was paid to the development of creative components: motivational (interests and inclinations), emotional and mental. The used method of critical thinking, the heuristic method of teaching, the method of a problem situation (with game elements), critical analysis gave the primary students the opportunity to more effectively search for the correct solutions to graphic problems of varying complexity.

**Keywords:** creativity, 3D modeling, educational process, independent activity, convergent thinking, creative personality, professional training.

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<sup>1</sup> Department of Art and Design, Faculty of Professional Art, Aktobe Regional University named after K.Zhubanov, Aktobe, Kazakhstan, adun\_8s@mail.ru

<sup>2</sup> Department of Art and Design, Faculty of Professional Art, Aktobe Regional University named after K.Zhubanov, Aktobe, Kazakhstan, nurmukan.diana@mail.ru