

SOME IDEAS FOR THE TRAINING OF STUDENT TEACHERS FOR STEAME EDUCATION

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Abstract. *In recent years, the STEM (Science, Teaching, Engineering, and Mathematics) educational approach has gained increasing popularity in Bulgaria, with more schools building STEM centers and adopting STEM interdisciplinary teaching and learning methods. Recently, STEM has expanded into various curricula, one of which is STEAME, formed by adding Arts and Entrepreneurship to the STEM acronym. One of the main goals of this education is to stimulate and facilitate the development of essential skills such as critical thinking, deductive and inductive reasoning, logical reasoning, problem-solving, data manipulation, decision-making based on data analysis and interpretation, intellectual curiosity, creativity, etc. These vital skills can be developed through interdisciplinary project-based learning with mathematics at its core, as mathematical knowledge, skills, and competencies are applied across nearly all areas of human knowledge. In this work, we present some ideas and examples of an approach to training student teachers in mathematics, centered on interdisciplinary teaching of STEAME school subjects.*

Key words: STEAME, STEM, Mathematics.

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