LEARN STEM

INNOVATIVE MODEL OF LEARNING STEM IN SECONDARY SCHOOLS

Project No.: 2022-1-TR01-KA220-SCH-000087583
Erasmus Plus KA220-SCH – Cooperation partnerships in school education

AIMS

The project's goal is to introduce a creative educational framework into secondary schools, designed to enhance students' proficiency in STEM disciplines (Science, Technology, Engineering, Mathematics).

STEM subjects play a crucial role in shaping both the economy and society. The objective is to cultivate students' curiosity and enthusiasm for these subjects by implementing novel methods, enabling them to develop a lasting passion and a professional and personal connection with the content.

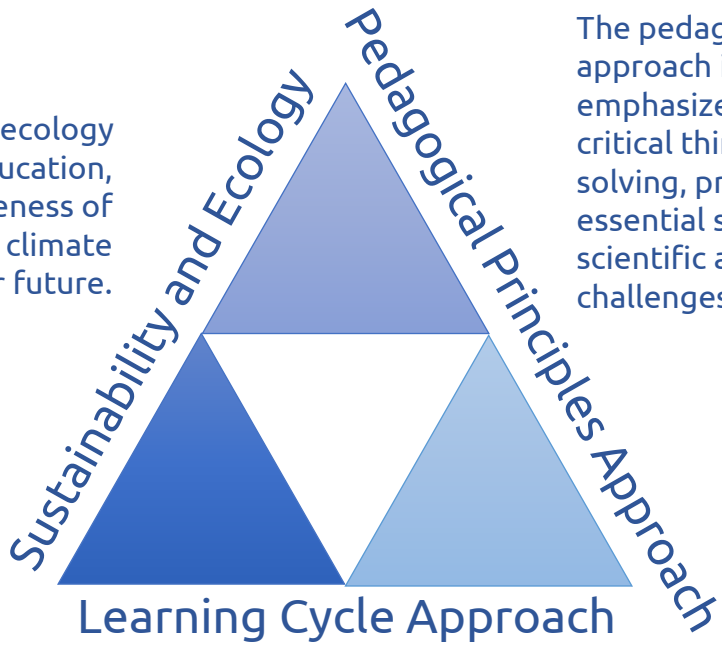
PROJECT OUTCOMES

1) LearnSTEM Pedagogical Model
2) LearnSTEM Teacher Training Programme
3) LearnSTEM Online Learning Environment

1) LearnSTEM Pedagogical Model

The model combines three approaches:

Sustainability and ecology enrich STEM education, fostering awareness of recycling, pollution, and climate change for a brighter future.



The pedagogical principles approach in STEM education emphasizes hands-on learning, critical thinking, and problem-solving, preparing students with essential skills for real-world scientific and technological challenges.

The learning cycle approach in STEM education follows the stages of 5E – engage, explore, explain, elaborate, evaluate – fostering a deeper understanding and practical proficiency in science, technology, engineering, and mathematics.

PARTNER ORGANISATIONS

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Ingenious Knowledge, Germany
IEK Kavalas, Greece

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Project information:
http://www.learnstem.eu/

Project Website

SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS

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