

LearnSTEM – Innovative Model of Learning STEM in Secondary Schools – reaches first Milestone

From 29 to 31 August 2023, the second Transnational Partner Meeting of the Erasmus+ project entitled "LearnSTEM - Innovative Model of learning STEM in secondary schools" took place at the University of Paderborn in Germany.

The eight partner organizations met to discuss the first stage of the project. The first milestone, the development of the LearnSTEM Pedagogical Model, was reached and the UPB partners presented the concept. There are three approaches in the model:

First, the model integrates sustainability and ecology topics related to STEM subjects. Students will engage with subtopics such as recycling, pollution, and climate.

Second, the model consists of the learning cycle approach. In the STEM context, this means that content is learned through five major cycle steps in the classroom: Engage, Explore, Explain, Elaborate, and Evaluate.

Third, the learning content in STEM classes should be taught through the pedagogical principles approach. This involves students working together in a complex, process-oriented, social, practical and holistic way.

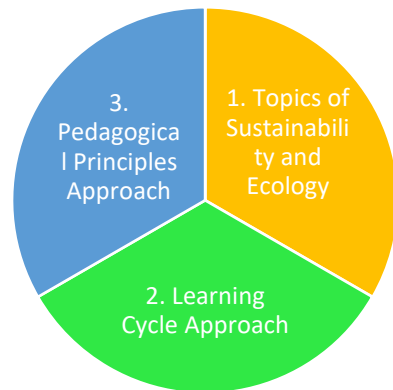
The model is structured with the help of learning units. The learning units consist of a video in which an experiment is carried out, a presentation that contributes to the transmission of the learning content, interactive tasks and other learning material. The learning units are thematically adapted to the subjects of sustainability and ecology from the first approach.



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In the next weeks, especially the partner schools will work on the elaboration of the pedagogical model and the learning units, so that first results can be presented by the next meeting.

The consortium is very happy about the course of the second Transnational Partner Meeting and is motivated for further cooperation.



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