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Type: Oral presentation

Inclusive science education: qualitative evaluation of an interdisciplinary teaching concept

Friday 4 July 2025 09:20 (20 minutes)

As a design-based research project, the E2piMINT team developed and evaluated an inclusive and interdisciplinary teaching concept for lower secondary schools to promote interest in science and to provide teachers with effective support for lesson planning. For this purpose, two laboratory activities with experiments from physics, biology and chemistry on the topics of "colours" and "glueing and sticking" were designed and implemented in the teaching laboratories of the Goethe University Frankfurt. In this presentation, the developed concept, its inclusive features, and some results of the qualitative analysis are presented.

Education level

Age 12-15 (Secondary education)

Physics topic

Interdisciplinary topics

Research focus

Active learning

Research method

Mixed method (qualitative & quantitative)

Organizing preference criteria

Education level

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Presenter: PANTIRI, Giulia (Goethe University Frankfurt)Session Classification: Parallel oral presentations

 ${\bf Track\ Classification:}\ \ {\bf Interdisciplinary\ topics\ (INTER)}$