GIREP-EPEC
Transforming physics learning via Research & Practice
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Four-Year Research on the Learning Using Mentors (LUM) Method: Implementation and Experience

Monday 30 June 2025 16:30 (1 hour)

The Learning Using Mentors (LUM) method delegates part of a teacher's authority to gifted students who act as mentors. Mentors lead group work, offer tutoring, and play crucial role in creating and grading tests. This contribution summarizes the results of four years of experimental use of this method in upper-secondary physics classes. Semi-structured interviews with both mentors and their peers, along with questionnaire investigations, highlight several benefits of the LUM method, including its motivating power for gifted students, reduced fear of physics and easily accessible help for "non-mentors"or closing language gap between students' everyday language and physics terminology.

Education level

Age 15-18 (Secondary education)

Physics topic

Other

Research focus

Innovative instructional strategies and pathways

Research method

Mixed method (qualitative & quantitative)

Organizing preference criteria

Research focus

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