



GIREP-EPEC
3-7 July 2023
Košice, Slovakia

GIREP-EPEC conference 2023
Physics learning promoting culture
and addressing societal issues

Contribution ID: 26

Type: **Oral presentation**

Introduction of Newton's laws through model rocket construction

Wednesday, July 5, 2023 2:00 PM (20 minutes)

The research focuses on the effectiveness of classical dynamics teaching methods. A group working with a frontal teaching method was compared with two groups working with a learning activity-based method, one of which used a model rocket project to learn the subject. We investigated whether there were differences between the groups in the occurrence of conceptual changes related to dynamics and the impact on students' attitudes towards physics and their career choice plans.

How would you like to present your contribution?

Live in Košice (time slot to be allotted based on the programme)

Target education level (primary)

Lower-secondary education

Target education level (secondary, optional)

Higher-secondary education

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Session Classification: Innovative strategies at school

Track Classification: Innovative strategies and pathways to improve physics education at school