



Contribution ID: 299

Type: **Workshop**

Physics Cards Different? The Same! Recognising Physics Concepts in a Variety of Representations for a Wide Range of Student Activities - INF

Wednesday 2 July 2025 09:00 (1h 30m)

Gamification has a positive impact on student motivation and learning outcomes. The physics cards called Different? The Same! have been specially designed to encourage student thinking and group discussion. The underlying concept is to recognise, compare, and contrast various representations of certain physics concepts. A set consists of three types of cards that can be combined. This leads to great variability in how the cards can be used in the classroom or in non-formal education contexts. During the workshop, participants will play six or more selected activities, discuss other ways in which the cards can be integrated into students' learning, and we share feedback we have gathered during the two years of using these cards in schools.

Education level

Age 15-18 (Secondary education)

Physics topic

Other

Research focus

Other

Research method

Other

Organizing preference criteria

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Session Classification: Workshops

Track Classification: Informal and non-formal learning (INF)