



Contribution ID: 289

Type: **Workshop**

Indians, bells and whistling bottles - an inquiry-based learning unit for enhancing students' motivation, creativity and empirical skills

Friday 30 August 2024 09:30 (1h 30m)

During the workshop, we will present a ready-to-use unit to introduce the learners to sound frequency, sound propagation in matter, and the sound resonator. The module is embedded into the inquiry-based learning (IBL) cycle based on everyday materials, with particular emphasis on the first phase of the cycle (Brainstorming) created as a storyline, which aims to raise students' motivation and interest in the subject. The unit consists of three parts, developed at different levels, which can be implemented at all levels of education, as a sequence or separately, depending on the student's age.

How would you like to present your contribution?

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

Target education level

General

Category

Formal Education

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Session Classification: Workshop

Track Classification: Experiments and Practical Work in Physics Education