



Contribution ID: 69

Type: **Oral presentation**

Investigating the colloquial knowledge of pupils and students in the area of understanding basic concepts of thermodynamics.

Tuesday 4 July 2023 16:00 (20 minutes)

We present a study of **colloquial knowledge in understanding concepts in the field of thermodynamics**. The **TCE test** was adapted to local specificities [1]. Approximately 400 people were surveyed. The aim of the study was to find out how the understanding of concepts: heat, temperature and energy evolve with the age of the respondents, and whether education significantly changes the perception of these concepts. The conclusions we were able to draw from the collected results, when compared with publications and research in other countries, may have a impact on how we should structure the didactic process in our education system.

How would you like to present your contribution?

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

Target education level (primary)

Pre-service teacher education

Target education level (secondary, optional)

Lower-secondary education

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Session Classification: Informal and non-formal learning

Track Classification: Informal learning and non-formal learning of physics