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Type: **Poster**

A Computational Modelling in Secondary Physics Teaching as an Example of the Implementation of the Concept of STEM Education

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STEM education is a learning management approach in which students acquire the ability to integrate scientific knowledge, technology, mathematics and engineering processes. Particular attention is paid to the development of so-called “twenty-first century skills”, among which ICT skills play significant role. For the needs of research, innovative classes will have been conducted, during which secondary students will meet the examples of computer-aided mathematical modelling in physics. The main purpose of the research is to prove that computational modelling based on the use of programming in Wolfram Mathematica language facilitates integrated learning and develops ICT skills.

How would you like to present your contribution?

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

Target education level

Secondary

Category

Informal Education

Author: KOC, Oktawia

Presenter: KOC, Oktawia

Session Classification: Poster session

Track Classification: Physics in STEM Education and Interdisciplinary Approaches