



Contribution ID: 19

Type: **Oral presentation**

EXAMINING PRE-SERVICE PRIMARY TEACHERS' PEDAGOGICAL CONTENT KNOWLEDGE FOR TEACHING SCIENCE THROUGH VIDEO ANALYSIS

Tuesday 4 July 2023 11:00 (20 minutes)

Effective and high-quality science teaching involves complex practices that depend on teachers' professional knowledge. Researchers have investigated the nature of pedagogical content knowledge (PCK) predominantly in the in-service secondary school teachers' context. This research project aims to investigate the PCK construct through video analysis focusing on pre-service primary teachers and examining one of the PCK components: teachers' knowledge of students' understanding. Fifty-nine participants, attending a degree programme in Primary Education, attempted two video-based tasks and their responses were analysed qualitatively. This study points out the need for primary teachers to extend learning opportunities to notice students' scientific thinking.

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)

Primary school education

Primary author: APPIANI, Elisa (Università degli Studi di Bergamo (Italy))

Presenter: APPIANI, Elisa (Università degli Studi di Bergamo (Italy))

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