



Contribution ID: 266

Type: **Oral presentations**

Walk of the Planets - Students Concepts of the Solar System

Monday 26 August 2024 16:30 (20 minutes)

With the reintroduction of astronomy into the school curriculum in North Rhine-Westphalia, the question arises as to what ideas learners have about our solar system, how these may have been created and what teaching methods can be used to influence them. To capture learners' mental models in relation to the solar system, we collected and analysed drawings of the solar system (N=100). After categorising the drawings, we identified specific gestalts. Additionally, we focused on the evolution of these gestalts facilitated by teaching artefacts, and which constructs these models form.

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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Track Classification: Physics Curricula