



GIREP-EPEC

Transforming physics learning via Research & Practice
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Type: **Oral presentation**

Preschool teacher training in physics under the new Mexican school approach

Wednesday 2 July 2025 09:40 (20 minutes)

Preschool teachers make a great effort to show science content to the children they oversee, but the conceptual and operational tools they were provided with in their training are insufficient for them to design and evaluate meaningful scientific experiences. Therefore, it is important to provide them with elements that allow them to bring science closer to the children in an effective and playful way. This project presents the results of a physics teaching course under the scheme of the New Mexican School for preschool teachers in hybrid mode: using a digital platform for activities, permanent advisory support, synchronous online work sessions and face-to-face sessions where simple low-cost experiments are shown.

Education level

Pre-service and in-service teacher education

Physics topic

Full curriculum

Research focus

Competence-based education

Research method

Educational design research (Qualitative research)

Organizing preference criteria

Education level

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Track Classification: Physics teacher education & Professional learning (TEACH)