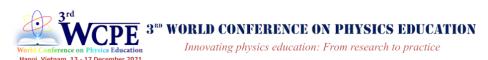
WCPE III 2021 Hanoi, VIETNAM



Contribution ID: 44 Type: Presentations in Wroclaw

Development of a teaching sequence on physics inquiry

Tuesday 14 December 2021 11:00 (20 minutes)

Learning to engage in scientific inquiry is an important goal in secondary physics education. However, attaining this learning goal continues to be a challenge. We addressed this problem by devising and testing a teaching sequence that aims at developing students' (aged 14-15) understanding of and adherence to scientific criteria. We observed, that after going through this sequence, the students' critical attitude evolved and they developed basic understandings of how to conduct a physics inquiry. They started to substantiate the decisions made in their inquiries. The teaching sequence thus seems a suitable starting point for engaging young students in scientific inquiry.

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Session Classification: Parallel 4 - Wroclaw

Track Classification: 11. Secondary school physics