

Review of: "The H.O.T. Box as a Metacognitive Tool: Insights Into Effectively Fostering Formal Explicit Theory in the Physics Classroom"

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Potential competing interests: No potential competing interests to declare.

The study of the effectiveness of the Higher Order Thinking Box (HOB) to promote metacognition in solving physics problems is interesting; however, its originality would be more strengthened if it were put into discussion with previous research focusing on the need to carry out action research depending on the number of participants. The latter approached as a case study whose results could benefit the research community. On the other hand, revisions are needed in specific areas:

Introduction: The choice of the HOB needs to be clearly justified.

Method: Justify the number of participants.

Discussion: It should focus on the analysis of relevant results and the importance of updated data, generating greater discussion with other authors and previous results.