

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 paper presents interesting research. Practically, this method solves problems using simple methods. I have a number of suggestions and comments for this article.

1. The abstract section should explain the research method, the respondents involved in the research, the data collection and data analysis techniques used, and the results of the research.
2. In the introduction section, it is necessary to provide information from previous research and its weaknesses so that the research conducted shows the novelty of existing research.
3. The script in Figure 2 cannot be read well.
4. The findings of the research are qualitative. To strengthen the evidence of the impact of the HOT Box on students' meta-cognition, quantitative data should be presented (for example, the author can show the score for student work).
5. Discussion of answers to research questions needs to be supported by various credible references. The discussion can come from theories that have been developed or the results of relevant previous research.