

- a) Reviewer Comments
- b) Author's response to comments
- c) Author's changes to manuscript

*I suggest two minor amendments:*

1.

*a) Lines 32 - 39 regarding the research questions: should be moved after line 51, as otherwise, the terminology used within the questions has not yet been introduced to the reader.*

b) Agreed.

c) Rearranged in new version.

2.

*a) Lines 478 - 480: "We observed a significant misalignment when K-12 students were the target audience, in that hands-on activities (coded as a dialogue activity) were often used to educate (coded as a deficit objective)". As I noted earlier, in the field of education, such activities are considered a pedagogically sound method of education, therefore seems to be problematic to claim that there is a misalignment between "hands-on activities" (dialogical) and the goal of education (dissemination). Perhaps this sentence should therefore be rephrased.*

b) I get the feeling that the reviewer and I are agreeing, but we are taking on different meanings of the term "misalignment". I have added two clarifying sentences but have not changed the original sentence since that sentence follows the same structure I used throughout this paragraph.

c) Added the following after this sentence: "While using hands-on activities to meet educational goals is a well-known pedagogical practice in formal education, the science communication models are conceptually distinct, especially when applied prescriptively through a content analysis approach. This constraint is discussed further in the Limitations section."