

Review of: "Augmented Reality (AR) Technology on Student Engagement: An Experimental Research Study"

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Potential competing interests: No potential competing interests to declare.

The article describes an interesting and relevant use case for the use of AR in a school environment. I see the article more as interim information and not yet as a final version, as some aspects are still missing for clarification.

For a clear classification of the work, both the usefulness and the setup of the test series should be clearly described. The hypotheses are understandable but very similar to each other. A direct evaluation of the experiment is also given in the introduction.

The study methods are well described and the questionnaires are also presented to the reader in the text. In my opinion, the description of how the experiment is conducted is also well chosen so that the probands can easily find themselves in the experiment. Unfortunately, it is not clear on what basis the probands were selected. From my own experience with the questionnaire, I can say that open questions are always somewhat difficult. Closed questions are often more objective, as a predetermined answer scale applies to all people. Unfortunately, it is also not clear whether and why the questions in the written and interview questionnaires are the same.

In order to be able to evaluate or understand the results as a reader, the task and the evaluation scale should be made clear. Tables with figures without an exact allocation, without a scale (from - to) are not so meaningful as an overview. Furthermore, the presentation of the results should be reconsidered.

The discussion should include a more critical examination of the results. These can help with the classification of the results and also assist with the interpretation. The list of sources is very nice, but these should be assigned directly to the "used" paragraphs (references etc.) so that it is clear where the statements come from or where the differentiation can be made between data / statements by other authors and the author's own opinion / findings.