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

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Thank you for the opportunity to review Augmented Reality (AR) Technology on Student Engagement: An Experimental Research Study. The goal of this study seemed to be to, through a pre-test/post-test design, assess the impact of AR technology on student engagement and learning outcomes. The study's randomized control features are excellent and there is a good use of qualitative and quantitative data throughout. However, the introduction failed to make clear the need for such a study nor the vast expanse of prior research on AR within education. This is extremely important to include within manuscripts to provide the field with a background of what has been discovered and what additions this study brings to that field of work.

For example, what are the other available AR tools being used in classrooms and how do they measure up to evidence based instructional practices utilized? The only mention was that the control group would maintain standard instruction but little is said about the different instructional techniques, apart from AR, used within each group. This is necessary information to make any accurate decisions regarding the study findings. A good amount of the actual data should be included in links and not within the document as this is written primarily as an article for readers to understand the study and findings not to read all answers provided. There also needs to be a section on study limitations that clearly states what should be considered when making decisions based on the study results.

Within the discussion the author states primarily findings from the experimental groups thoughts and feelings but does not list these in comparison to the control, which is needed to make adequate decisions regarding the social validity findings of each instructional method. These would all need to be addressed before I could say this article is ready for publication. As is, the findings are not able to be applied as there is not enough information to make valid and reliable comparisons between the two. For this to be of particular importance to the field there needs to be a section for "so what?" Meaning: why is this study important to practices of schools, educators, and parents apart from those wanting to use AR and what kind of AR was used? The author is studying an important concept for the field of education and technology so it will be important that these findings are accurately presented.