

Investigating Student Learning and Online Homework Tools

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Abstract

Many different learning tools are used in the field of education, but not enough thought is given as to how effective these tools are and whether there are more efficient alternatives that would better facilitate student learning. In this research, there are two major strategies that will be implemented: the first method is the development of online tests to gauge student performance and learning from video, audio, and text (to see which method of teaching correlated with the higher scores), and the next will be to investigate the development of students' critical thinking skills using homework questions. These experiments are designed to see what different tools actually enhance the teachers' ability to convey information and/or students' ability to understand and apply key ideas. The research and testing is more geared towards psychology students, but the results should be able to be applied in all fields of study.