

EMPLOYING TECHNOLOGY INTEGRATION TO ENHANCE STUDENTS' ACADEMIC ACHIEVEMENT IN MATHEMATICS

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Abstract

This study looked at employing technology integration to enhance students' academic achievement in Mathematics. The study focused on technology-based tools, such as online platforms, interactive software, and digital resources, to enhance learning outcomes. The conventional learning-specific model has become old and is considered the opposite of the technique of teaching. It makes students uncomfortable and not interested during class. Students become more engaged when they feel the learning medium is suited and according to their needs. As such, the ability of a teacher to teach using dynamic, innovative, and a comprehensive method, become a factor to academic success. By examining the concept of mathematics, its relevance in Science and Technology, and the barriers of technology integration, the study synthesized key findings related to the effectiveness of integrating technology into the classroom in enhancing students' achievement, engagement, and critical thinking skills. The study discussed barriers and benefits associated with integrating technology into teaching and learning and suggested recommendations for educators and policymakers to maximize the benefits of technology integration in enhancing academic achievement.

Keywords: Technology Integration, Academic Achievement, Mathematics