

Running Head: An investigation into the use of PowerPoint

**An investigation into the use of PowerPoint Presentations to motivate
Form Two Science students, enhance their interest, and increase their overall academic
performance.**

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ABSTRACT

This study seeks to investigate the impact of using PowerPoint Presentations as a method of enhancing students' interest and academic performance in Science among a class of Form Two students. The main objectives of this study were to use PowerPoint Presentations to inculcate confidence, increase classroom participation, increase students' understanding of scientific concepts, relate these to real life situations and improve academic performance in Science.

Students' academic performance was assessed using a Quasi-experimental approach. Students' post-test grades were statistically compared to their benchmark grades. The scores of a pre-intervention and a post-intervention questionnaire were used to gauge students' interest in Science. The analysed data revealed a significant statistical difference between the pre-intervention and the post-intervention questionnaire scores when students were taught using PowerPoint Presentations as an intervention strategy. Additionally, there was a high positive correlation and a significant statistical difference between the benchmark and the post-test grades when using the intervention strategy.

Findings proved that PowerPoint Presentations had a positive impact on students' interest and academic performance when they were taught a unit of work. The researcher hopes that students will continue to benefit from the use of PowerPoint as a teaching tool in the delivery of the Science curriculum.