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The Efficacy of Computer-Based Laboratory Experiments

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The efficacy of computer-based laboratory experiments was explored as a means through which physics practical work can be enhanced for the benefit of students. The study was conducted with physics students at a South African university of technology. Students enrolled for engineering as well as chemistry and non-destructing testing programs were exposed to computer-based laboratory experiments. Exposure to computer-based laboratory experiments strongly suggests improved efficiency in the running of physics laboratories coupled with enhanced students' conceptual understanding. Implications for teaching and learning are discussed.

Apply to be considered for a student award (Yes / No)?

No

Level for award (Hons, MSc, PhD, N/A)?

N/A

Would you like to submit a short paper for the Conference Proceedings (Yes / No)?

yes

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