



Contribution ID: 273

Type: Oral Presentation

## I taught them everything, but they still couldn't get it right

Friday, 8 July 2016 15:00 (20 minutes)

**Abstract content &nbsp; (Max 300 words)<br><a href="http://events.saip.org.za/getFile.py/?target=\_blank">Formatting &<br>Special chars</a>**

The focus of students, especially at the first year level is in going through their years of undergraduate studies with ease, where their primary focus is on passing the course, not necessarily understanding the content of the subjects. This attitude of students is observed mostly in the way they approach the concepts that they come across. The approach that most students have during assessments and questioning is to get the answer correct without understanding the concepts. This attitude has made it difficult for some to grasp the fundamentals of their respective studies. This study focuses on the continuous observation of this behavior as we look at a particular Physics concept studied at a first year level. The concept was taught in various ways and students' understanding was tested. The expectation was that they should solve the problem without major difficulty, but the analysis of the test showed that most of the students strive to get to the answer even though the Physics concepts were not correctly applied.

**Apply to be<br> considered for a student <br> &nbsp; award (Yes / No)?**

No

**Level for award<br>&nbsp;(Hons, MSc, <br> &nbsp; PhD, N/A)?**

N/A

**Main supervisor (name and email)<br>and his / her institution**

N/A

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

Yes

**Please indicate whether<br>this abstract may be<br>published online<br>(Yes / No)**

Yes

**Primary author:** Mr MOLEFE, Paul (University of Johannesburg)

**Co-author:** Dr SONDEZI, Buyi (University of Johannesburg)

**Presenter:** Mr MOLEFE, Paul (University of Johannesburg)

**Session Classification:** Physics Education

**Track Classification:** Track E - Physics Education