

# Trends in Computational, Mathematical, and Physical Sciences Education in South Africa

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The education system of South Africa must respond to cultural, socio-economic and environmental challenges facing the country. At the same time the education system must put South Africa at the competitive edge in par with the rest of the global village. The recent pandemic has put our education system sharp into focus.

This project is aimed at,

- i. Analyzing the performance of SA learners in computational, mathematical and physical sciences subjects using data from available assessments
- ii. Analyzing the performance of SA's HEIs UG students in computational, mathematical, and physical sciences using data from available assessments
- iii. Exploring the computational, mathematical and physical sciences curriculum in SA schools and HEIs in relation to the expectation of the 21<sup>st</sup> century skills