

A look into the physics education system in Zambia and Africa as a whole

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As we push Africa towards becoming an equal competitor in scientific research and socio-economic development on the global stage, we can not ignore the crucial role that a high quality physics education system has to play in achieving this goal. In addition to its various other benefits, physics can greatly contribute to a steady supply of trained, motivated and competent researchers to exploit scientific advancement which would in turn bring about development in various sectors of the economy. Therefore, it is imperative that Africa builds a sustainable high quality physics education system. In this contribution, we will briefly review the status of physics education in Africa, with a particular focus on Zambia. We will also discuss some major factors affecting the advancement of physics education in Africa and ways to make physics research attractive to both high school learners and university students. Finally, we will highlight the existing African and international initiatives that can be accessed by Africans in this effort.

Abstract Category

Physics Education

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