



Imaginative Reasoning in Science

Duration: 5 days

Session Times: 1. 9:00 am - 10 am
2. 10:30 am - 11:30 am

Venue: To be arranged by participants

Suitable for: High school students who have a keen interest in gaining a deeper understanding of the world. (Grade 9 and above)

Fee: Honorarium

Facilitator: Pergan Naicker (Contact Number: +27 63 075 7916)

Course Outline

“Imagination is more important than knowledge. For knowledge is limited to all we now know and understand, while imagination embraces the entire world, and all there ever will be to know and understand.” - Albert Einstein

This interactive learner-centric course engages participants to use their imagination to make sense of some of the phenomena that constitute our world. Participants not only gain a deeper understanding of subtle phenomena but also learn to reason from first principles. Apparatuses together with guided exercises engage participants in this regard.

A breakdown of the workshop can be found below (subject to change):

Day 1 - Magnetism

Day 2 - ElectroMagnetism

Day 3 - Kinetic Theory of Matter

Day 4 - Sound, Vibrations and Waves

Day 5 - Light Fundamentals