

Physics



Overview

AS Physics: Practical Skills in Physics, Forces and Motion, Energy, Materials, Waves, Quantum Mechanics

A2 Physics (all of As content plus the following): Thermal Physics, Oscillations, Electrical and Gravitational Fields, Astrophysics and Cosmology, Nuclear and fundamental particle physics, Electromagnetism, Medical Physics

Requirements

- Grade 66 in combined science, or 666 in Triple Science
- Grade 6 in Maths
- (Grade 7's are preferable)
- Must take Maths at A-Level

Assessment

AS

- Breadth in Physics (1hr 30 mins)
- Depth in Physics (1hr 30 mins)

A2

- Modelling Physics (2hrs 15 mins)
- Exploring Physics (2hrs 15 mins)
- Unified Physics (1hr 30 mins)

Practical Endorsement - assessed through 12 practicals over 2 years. This does not contribute towards your grade, but a pass is required by Universities for science related courses.

Exam Board



<https://www.ocr.org.uk/qualifications/as-and-a-level/physics-a-h156-h556-from-2015/>

Progression and Career Opportunities

Physicist, Mathematician, Computer scientist, Computer games designer, Software engineer, Engineering, Weather forecasting, Architecture, Medicine and healthcare related courses, Medical physics, Sports science Economics, finance and accounting

Physics is a facilitating subject- which means it is highly regarded by the top Universities.

“Physics is awesome - the best and most fundamental science in which you begin to understand the true nature of reality and the world around us. It is very challenging but even more rewarding. Physics is life.”