Physics

A Level

Physics deals with questions about the fundamental nature of our Universe. How do matter and energy behave within it? How can we harness both to our greatest advantage? The application of physics principles can be used to help solve some of the most pressing problems of our time such as how we can meet the ever increasing demand for energy?

Course Overview

Paper 1

Working as a Physicist

Higher, Faster, Stronger

Technology in Space

Digging up the Past

Transport on Track

The Medium is the Message

Probing the Hear of Matters

Paper 2

The Sound of Music

Good Enough to Eat

Spare-Part Surgery

Build or Bust

Reach for the Stars

How will I learn?

Practical work, seminars; discussion; independent research; self and peer assessment; presentations; display work and independent investigations.

Where can I go after the course?

Careers: Astronomy; Medicine; Veterinary Science; Engineering and Architecture, Finance, Cyber Security, Software Design.

Further Education: Physics; Engineering; Architecture. Aeronautics, Astrophysics.

Entry Requirements

Standard 6th Form entry requirements. Students should preferably have a grade 7 (or above) in the associated GCSE single science. Students who have a GCSE Combined Science qualification should have a grade 77 (or above), although those with high grade 6's will be considered.

Assessment at the end of Year 2

Paper 1: 1 hour and 45 minutes -
90 marks (30%)

Paper 2: 1 hour and 45 minutes -
90 marks (30%)

Paper 3: General and Practical Physics.
Tests knowledge of all topics.
2 hour and 30 minutes -
120 marks (40%)