

Physics A Level

“Not only is the Universe stranger than we think, it is stranger than we can think.” - Werner Heisenberg.
Studying physics will deepen your understanding of the world around you. This A level will enable you to develop critical thinking skills and problem-solving skills. Knowledge of physics is key to technological advancements that impact the society, the environment and the economy.

Course outline

We follow the OCR physics A specification, which is divided into topics, each containing different key concepts of physics.

Module 1 – Development of practical skills in physics

Module 2 – Foundation of physics

Module 3 – Forces and motion

Module 4 – Electrons waves and photons

Module 5 – Newtonian world and astrophysics

Module 6 – Particles and medical physics

How you will be assessed

Paper 1: Modelling physics 100 marks 2 hours 15 minutes (37% of total)

Paper 2: Exploring physics 100 marks 2 hours 15 minutes (37% of total)

Paper 3: Unified Physics 70 marks 1 hour 30 minutes (26% of total)

Non Examined Assessment: Practical Endorsement in chemistry (reported separately)

Entry requirements

Grade 6 in Physics plus a grade 6 in another science subject

OR

Grade 6 in Trilogy Higher Combined Science

Where the course could take you

Accountant

Computer Scientist

Consultant

Environmental scientist

Ergonomist

Material specialist

Medical physicist

Nanoscientist

Research scientist

Technical author