

Why study Physics?

"Physics is the study of the universe and everything in it."

We use resources developed by the Institute of Physics with support from industry and higher education

to reflect Physics as it is practised and used today.

Entry to the course is by negotiation although it would be advantageous for a student to hold grade B in both Science and Maths at GCSE. It is also very helpful, but not essential, to study Maths (Mechanics) at A level.

What will this involve?

AS Course

Unit 1 Motion, Energy and Matter

20% 1 hour 30 minutes Written Paper (80 marks)

Approximately 7 structured questions

No question choice

Unit 2 Electricity and Light

20% 1 hour 30 minutes Written Paper (80 marks)

Approx 7 structured questions

No question choice

A2 Course

Unit 3 Oscillations and Nuclei

25% 2 hour 15 minutes Written Paper (100 marks)

Approximately 7 questions, including synoptic assessment

Includes a comprehension question

No question choice

Unit 4 Fields and Options

25% 2 hour Written Paper (100 marks)

Section A: Approximately 5 questions on the compulsory content of the unit (80 marks)

Section B: Options: Alternating Currents, The Physics of Sports, Medical Physics, Energy (20 marks)

Unit 5 Experimental Physics

10% External Exams on dates set by WJEC (50 marks)

A 90 minute experimental task (25 marks) and a one hour data-analysis task (25 marks) performed under controlled conditions, both synoptic in nature.

Where do I go from here?

Physics A level provides an excellent, well regarded qualification for students who wish to follow a scientific career, either through employment or through further study at university or college.

Physics (and Maths) A level is essential for studying Physics and Engineering at University.

Physics is also very desirable for Medicine, Pharmacy and Veterinary Science.