



PHYSICS

WJEC AS/A2 ENTRY REQUIREMENTS

Grade B or above in physics or double award science AND grade B or above in Maths A-Level Mathematics is strongly recommended to be studied alongside Physics.

COURSE CONTENT

AS Unit 1

Motion, Energy and Matter

Written examination : 1 hour 30 minutes. Short answer and extended answer structured questions, some in a practical context.

AS Unit 2

Electricity and Light

Written examination: 1 hour 30 minutes

Short answer and extended answer structured questions, some in a practical context.

A2 Units 3

Oscillations and Nuclei

Written examination: 2 hours 15 minutes

Short answers and extended answer questions, some in practical context, comprehension question.

A2 Unit 4

Fields and Options

Written examination: 2 hours

Short answer and extended answer, some in a practical context. Choice of one option out of four: Alternating Currents, Medical Physics, The Physics of Sports Energy and the Environment.

A2 Unit 5

Practical Examination.

CAREER OPPORTUNITIES

Physics leads on to a wide range of courses and careers. You could use Physics to support other qualifications or move on to further studies or employment, including: a BTEC Higher National (HNC and HND) or a degree course such as Physics, the Sciences, Medicine, Metrology, Engineering (including Chemical Engineering), Computer Science and related programmes. Employment in the area of, for example, radiography, biotechnology, computing, engineering, accountancy etc. In fact, Physics is recognised as an entry qualification for a wide range of Higher Education courses and employment opportunities. Behind Medicine and Law, Physics graduates on average, boast the highest graduate wage.

PROFILE

A level Physics is suitable if you:

- have an interest in, and enjoy, physics
- want to find out about how things work in the physical world.
- enjoy applying your mind to solving problems.
- enjoy carrying out investigations by the application of imaginative, logical thinking.
- want to use physics to move on to further studies in Higher Education, support other qualifications
- have good mathematics skills

CONTACT

Subject Lead: Mr M Smith

ASSESSMENT STRUCTURE

AS Level – Year 12

Unit 1 (AS) Motion, Energy and Matter - 20%

Unit 2 (AS) Electricity and Light - 20%

A2 Level – Year 13

Unit 3 (A2) Oscillations and Nuclei - 25%

Unit 4 (A2) Fields and Options - 25%

Unit 3 (A2) Practical examination - 10%