

# Physics

## Exam Board: WJEC

The course sets Physics in a variety of contexts, illustrating connections with everyday life, people, places and cultures. If you want a career in science, medicine, the media, education, business or a host of other fields, Physics can help give you the edge!

With an increase in popularity of the traditional A level subjects, Physics is now seen as an essential academic choice by many leading institutions for undergraduate courses.

The AS course offers candidates a chance to expand their understanding of Physics and problem solving, whilst the A2 component takes an in-depth look at fundamental Physics.

### Minimum Entry Requirements

- A minimum of 6 A\* to C grades at GCSE with a minimum grade BB from all higher tier papers Double Science or B in GCSE Physics.
- A grade B in Mathematics and Numeracy is essential given the mathematical demands of A Level Physics.

If you have any queries, please contact Mr Stephens (Head of Faculty).

### AS course

- Motion, Energy and Matter
- Electricity, Light & Lasers
- Practical Skills developed through a series of set practicals throughout the course
- No controlled assessment in AS course

### A2 course

- Physics of Vibrations
- Linear Momentum
- Thermal Physics
- Electric and Gravitational Fields
- Orbits and the Universe
- Magnetic Fields
- Radioactivity
- Nuclear Energy
- Controlled Assessment

### AS Weightings of Units

- 1 Motion, Energy & Matter (50%)
- 2 Waves & Particles (50%)

### A2 Weightings of Units

- 4\* Oscillations & Nuclei (20%)
- 5\* Fields and an Optional unit (20%)
- 6\* Practical Examination (10%)

