



## Physics A level

Studying physics will give you a better understanding of the universe around you, including the behaviour of atoms and sub-atomic particles. You will complete practical assessments and use mathematical expression to describe physical principles. Physics is a well-regarded subject in terms of demonstrating strong numerical, logical and problem solving skills. Many students find it useful to study A-level Maths alongside this course in order to support the mathematical content.

### What is the course content?

#### **Year 12:**

Measurements and their errors  
Particles and radiation  
Waves  
Mechanics and materials  
Electricity

#### **Year 13:**

Further mechanics and thermal physics  
Fields and their consequences  
Nuclear physics  
Turning points in physics

### How is the course assessed?

The course is assessed at the end of two years. This will take place through 3 two hour exams. There is no controlled assessment or coursework.

A separate practical endorsement will be awarded alongside the A-level.

### Future Opportunities

A-level Physics is an important qualification for many careers. It is as essential qualification to study degrees such as Engineering, Electronics, Astrophysics, Medical Science, Cosmology etc. Even if you don't choose a Physics based career, this A-level qualification is highly regarded by universities and employers due to its mathematical and problem solving elements.

For further information, please contact Dr P Shepherd

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