

## Aims

- Provide you with the scientific knowledge and practical skills required to help you to make sense of the world around you and to take an active role in its development.
- Help you acquire and apply skills, knowledge and understanding of how Science works and develop a critical approach to scientific evidence and methods which will help you to decide whether claims made in the name of Science are reasonable.
- Allow you to develop your interest in, and enthusiasm for Physics and to help you to recognise its increasingly essential role in society.
- Give you a glimpse into the extraordinary opportunities and variety of work available to those wishing to continue with Physics beyond GCSE.

## How will I be assessed?

At the end of the course there are two written examination papers of 1 hour and 45 minutes, which assess knowledge and understanding of the theoretical content and also include questions of a more general nature requiring understanding of the nature of scientific evidence and its importance in all aspects of everyday life.

Paper 1      50%

Topics 1 – 4: Energy; Electricity; Particle model of matter; and Atomic structure.

Paper 2      50%

Topics 5 – 8: Forces; Waves; Magnetism and electromagnetism; and Space physics.

Questions in Paper 2 may draw on an understanding of energy changes and transfers due to heating, mechanical and electrical work and the concept of energy conservation from Energy and Electricity.

We believe it is important that you do not feel abrupt changes in your Science education as you progress through Years 7 to 11. Although we begin teaching Science as separate subjects from Y9, you will have been introduced to many GCSE concepts in Y7 and Y8 and need to be able to draw on these ideas with confidence as you progress through the courses.

## Further Information

Exam Board: AQA

Syllabus; Physics 8463

[www.aqa.org.uk/subjects/science/gcse/physics-8463](http://www.aqa.org.uk/subjects/science/gcse/physics-8463)