

# Separate Sciences: Physics

## GCSE

**Exam Board:** AQA  
**Course Code:** 8563

### Physics course overview

Separate Science: Physics is a single award GCSE through AQA, studied alongside Biology and Chemistry. In total, a successful candidate is awarded three GCSEs in Science at the end of the course.

The modern world is reliant on effective harnessing and transfers of energy. The applications for this energy are limitless, the most common energy form we come into contact with is electrical energy. We use this every day for anything from heating food to communicating with satellites in orbit. Students will have the opportunity to quantify transfers of energy, investigate material properties to plan home renovations, and research how the world's increasing energy demands can be met while responding to climate change.

In addition, a range of scientific skills will be developed and assessed. Skills are of three key categories; scientific literacy, scientific numeracy, and scientific enquiry. These skills will be assessed in the final exams.

### How is the course assessed?

GCSE Chemistry is assessed via two exams at the end of Year 11, each exam is 105 minutes long, and have equivalent weighting.

### Is this course for you?

The Separate Science course is most appropriate to those high ability students with an interest in science. Students must be prepared to work independently to ensure they are well equipped and well prepared for their exams.

### What could this course lead to?

Students of Separate Science often go on to study the sciences further at A-level and beyond. A career in science is easier to attain with good grades on the Separate Science course in comparison to completing the Combined Science course. Careers in science include medicine, dentistry, pharmacy, drug development, engineering, and data analytics.

### Who can I contact for further advice or support?

Ms D Vaghela, Head of Department: [dvaghela@tcolc.aspirelp.uk](mailto:dvaghela@tcolc.aspirelp.uk)

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