

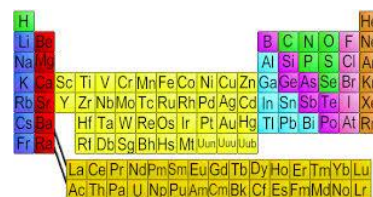
# Separate Sciences: Chemistry

## GCSE

**Exam Board:** AQA  
**Course Code:** 8462

### Chemistry course overview

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



A periodic table of elements with each element represented by a small colored square containing its symbol. The colors are grouped by element types: metals are in shades of blue, green, and yellow; non-metals are in shades of purple, pink, and orange; noble gases are in light blue. The lanthanide and actinide series are shown at the bottom.

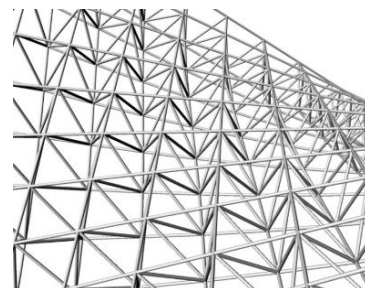
Atoms are the chemical building blocks of the universe. Atoms interact with one another to form the world around us, the range of bonds and interactions create the range and variety of the world. Students will explore how two dangerous elements can be combined to produce table salt, how scientists have developed their understanding of the atom over the centuries, and will learn to safely use acids in a range of experiments.



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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