

# GCSE CHEMISTRY (as part of Triple Science)

GCSE Science: Chemistry has a similar emphasis as the combined science GCSE – this is the knowledge and understanding that learners need to recognise the impact of science and technology on everyday life. By taking Sciences separately at GCSE level you will cover more content and find you're better prepared if you want to take Science A Levels. The specification requires students to complete two units of study based on a range of Chemistry topics.

**Chemistry Unit One:** Atomic Structure and the Periodic Table, Bonding, Structure and the Properties of Matter, Quantitative Chemistry and Chemical Changes and Energy Changes

**Chemistry Unit Two:** The Rate and Extent of Chemical Change, Organic Chemistry, Chemical Analysis and the Chemistry of the Atmosphere and using Resources

## How will I be assessed?

There are six exams that will assess this learning as well assessing the understanding of the 8 required experimental tasks. Each unit will be assessed in one exam that will be a mixture of multiple choice, structured, closed short answer and open response questions

These exams are taken in a linear system; these will be sat at the **end of year 11**. The breakdown of the exams and the modules they link to is shown below along with the length of the paper and the percentage of the GCSE it is worth.

Exam	Module	%	Duration of Paper
Chemistry 1	Chemistry Unit 1	50	105mins
<b>Chemistry 2</b>	<b>Chemistry Unit 2</b>	<b>50</b>	<b>105mins</b>

## What use would this qualification be after I leave school?

A good grade in the Separate Sciences (Triple) provides pupils with a secure knowledge to continue on to A level sciences. Students will need to achieve a minimum of a grade 7 (equivalent of an A grade) in all three GCSEs to do this.

## Careers associated with this qualification

A high grade in Science GCSEs allows access to careers such as medicine, dentistry, nursing, engineering, computer science, forensics, laboratory based work and research. We know that more universities now look at Science GCSE grades as well as A level grades when considering students for dentistry and medicine. Careers linked to Chemistry include;

- Analytical chemist
- Chemical engineer
- Healthcare scientist, clinical biochemistry
- Forensic scientist
- Research scientist (physical sciences)