

# Why Choose Chemistry?

**Chemistry** helps you to understand the world around you and will provide you with practical opportunities to develop your problem-solving, research and analytical skills. By studying the properties of materials and analysing how they react you will discover how these materials can be put to good use in society.

Chemistry is sometimes called the 'Central Science' because it helps connect physical sciences, like Maths and Physics with applied sciences such as Biology, Medicine and Engineering.



Choose Chemistry as an option and you will have access to an unparalleled range of enrichment activities to widen your experiences. The opportunities include the Bunsen Buddy Scheme, Hanson Alun Scholarship, EESW Young Engineers' Scheme, Nuffield Research Placements, University Visits and Salters' Chemistry Camps.



**At Alun School,**  
our experienced teaching team provide expert guidance and tuition in 5 weekly lessons.

In addition, supplementary tutorials and an online support network are available.

# Chemistry

## Assessment Information

### A Level Units

**AS Unit 1** - The Language of Chemistry, Structure of Matter and Simple Reactions - 1 hour and 30 minutes written examination that makes up 20% of qualification.

**AS Unit 2** - Energy, Rate and Chemistry of Carbon Compounds - 1 hour and 30 minutes written examination that makes up 20% of qualification.

**A2 Unit 3** - Physical and Inorganic Chemistry - 1 hour and 45 minutes written examination that makes up 25% of qualification.

**A2 Unit 4** - Organic Chemistry and Analysis - 1 hour and 45 minutes written examination that makes up 25% of qualification.

**A2 Unit 5** - Practical examination comprising of Experimental Task and Practical Methods and Analysis Task that make up 10% of qualification.

## Entry Requirements

You should have achieved at least BB in double awards Science or a grade B in GCSE Chemistry **and** a grade B in **either** GCSE Maths or Numeracy.

## Progression Routes

The skills and knowledge you will gain through the study of Chemistry, together with the enrichment activities that are available to you, are valued in many careers and will be invaluable in enabling you to go on to study a wide range of courses. A large proportion of our Chemistry students leave Alun School to undertake degrees at Russell Group universities.

Chemistry will give you an excellent grounding for multiple career opportunities including:

Medicine

Metallurgy

Research Science

Pharmaceuticals

Veterinary  
Science

Chemical Engineering

Forensics

Geology

Many students use their Chemistry qualification to enter Higher Level Apprenticeships and employment opportunities that value the analytical and problem-solving skills that studying Chemistry provides.

**“Chemistry teachers at the Alun are extremely dedicated, passionate and knowledgeable. Their fantastic teaching enabled me to gain a place at medical school.”** - Helen Gerrard,  
*Medicine at Cardiff University.*

**“The Chemistry department are an incredibly supportive team who work with the students on a personal level to help them achieve their best.”** - Ben Robertson,  
*Chemistry at Manchester University.*

**“I found that the A Level course that I took gave me a great grounding. The way the course was taught helped me understand the big picture without losing the detail required”.**

- Cameron Duffield,  
*Mechanical Engineering at Sheffield University.*