

# Chemistry

**Awarding Body:** Students will follow the AQA Specification.

## Course Content and Examinations:

The AS level qualification consists of three units known as Units 1, 2 and 3. The full Advanced GCE is made up of the AS units plus three more (Units 4, 5 and 6) which are studied at a higher level (A2).

Year 12	Year 13
<b>AS Level Units</b>	<b>A2 units leading to a full Advanced GCE</b>
<b>Unit 1 – Foundation Chemistry</b> Examination paper (70 raw marks/100 UMS). 4 – 5 short answer questions plus 1 longer structured question. 1¼ hours. 33⅓% of the total AS marks. 16⅔% of the total A-level marks.	<b>Unit 4 – Kinetics, Equilibria and Organic Chemistry</b> Examination paper (100 raw marks/120 UMS). 6 – 8 short answer questions plus 2 structured questions. Some of the questions will have synoptic elements. 1¾ hours (20% of the total A-level marks).
<b>Unit 2 – Chemistry in Action</b> Examination paper (100 raw marks/140 UMS). 6 – 8 short answer questions plus 2 longer structured questions. 1¾ hours. 46⅔% of the total AS marks 23⅓% of the total A-level marks.	<b>Unit 5 – Energetics, Redox and Inorganic Chemistry</b> Examination paper (100 raw marks/120 UMS). 5 – 7 short answer questions plus 2-3 longer structured questions. Some of the questions will have synoptic elements. 1¾ hours. 20% of the total A-level marks.
<b>Unit 3 – Investigative and Practical Skills in AS Chemistry</b> AS Centre-Assessed Unit (50 raw marks/60 UMS). This is made up of: <b>One</b> Investigative Skills Assignment (ISA – 38 raw marks) and <b>Six</b> Practical Skills Assignment (PSA – 12 raw marks) 20% of total AS marks 10% of total A-level marks	<b>Unit 6 – Investigative and Practical Skills in A2 Chemistry</b> A2 Centre-Assessed Unit (50 raw marks/60 UMS). This is made up of: <b>One</b> Investigative Skills Assignment (ISA – 38 raw marks) and <b>Six</b> Practical Skills Assignment (PSA – 12 raw marks) 10% of total A-level marks

## Comparison with GCSE:

The course builds on knowledge, understanding and process skills inherent in GCSE. The qualification is suitable for students who:

- 1) Have an interest in, and enjoyment of, Chemistry.
- 2) Want to use Chemistry to support other qualifications or progress into further studies.

## Relevance to Further Studies and Careers:

An Advanced GCE in Chemistry is an essential qualification for a large number of Higher Education courses and a wide variety of career areas. It can lead to degree or other courses in Chemistry, Dietetics, Engineering, Forensic Science, Geology, Medicine, Physics, Pharmacy, Pharmacology, and many others. Chemistry students find a wide range of career prospects in industry. These include laboratory management, analytical work, research and development, technical services, quality control and production. With additional qualifications and experience many chemists progress into other areas such as corporate planning, patents and licensing, marketing and sales, technical writing and information departments.

## Entry Requirements:

Minimum grade of B at Core Science and B at Additional Science; or minimum grade of B at Chemistry (Separate Science) plus a grade B at GCSE Maths.

**Further Information:** Mrs L. Hill  
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