A LEVEL

CHEMISTRY

Exam Board: AQA	**Course Code:** 601/5730/6; 601/5731/8
Entry Requirements: Average of grade 5 or higher across all GCSE exams including a minimum grade of 5 for English. Grade 7 in Science (Chemistry specifically) Grade 6 in Maths.	

Course Summary:

Chemistry, often called the "central science," links physical sciences like Maths and Physics with applied fields such as Biology, Medicine, and Engineering. It explains everyday phenomena and is vital for tackling global challenges like disease, healthcare, drug development, renewable energy, fuels, and sustainable materials.

The A-level covers three main areas: **Physical Chemistry** (atomic structure and reactions), **Inorganic Chemistry** (non-carbon substances), and **Organic Chemistry** (carbon-based compounds essential to life, fuels, plastics, and medicines). Students also complete 12 compulsory practicals, alongside many more experiments throughout the course.

Assessments:

AS Level

- **Paper 1: Written exam, 1 hour 30 mins, 80 marks, 50% of AS Level**
  Physical, Inorganic and Relevant practical skills
- **Paper 2: Written exam, 1 hour 30 mins, 80 marks, 50% of As-level**
  Physical Chemistry, Organic Chemistry and Relevant practical skills

A Level

- ***Paper 1: Written exam, 2 hours, 105 marks, 35% of A-level***
  Physical Chemistry, Inorganic Chemistry and Relevant practical skills
- ***Paper 2: Written exam, 2 hours, 105 marks, 35% of A Level***
  Physical Chemistry, Organic Chemistry and Relevant practical skills
- ***Paper 3: Written exam, 90 marks, 30% of A Level***
  Content and relevant practical skills.

This course is suitable for students who…

A person who wants a deeper understanding of the world around us (how and why things work)

Future careers:

A wide range of chemistry-related degrees exist, including Analytical, Biochemistry, Environmental, Inorganic, Organic, Pharmaceutical, Forensic Science, Chemical Engineering, Physical, and Polymer/Materials Chemistry. These can lead to careers in medicine, veterinary science, dentistry, nutrition, forensics, geochemistry, pharmaceuticals R&D, pharmacy, chemical or petroleum engineering, and cosmetics. For many universities, chemistry is an essential prerequisite for Medicine.

Chemistry is also a versatile A-level, valued for its problem-solving, mathematical, and reasoning skills. Graduates can pursue careers as educators, project managers, consultants, lawyers, entrepreneurs, sales and service professionals, policy makers, analysts, bankers, and writers/editors.