STAFFORD
SIXTH FORM

Course title: Chemistry A-Level (OCR Chemistry A)

Academic year:	2026
Course Venue:	King Edward VI High School
Course Type:	A level
Duration:	2 years

Course Description: The course covers wide-ranging aspects of Chemistry, the nature of chemical reactions, processes and mechanisms and the importance of Chemistry in the world around us.

Course Content:
Content is split into six teaching modules:
- Module 1 – Development of practical skills in chemistry
- Module 2 – Foundations in chemistry
- Module 3 – Periodic table and energy
- Module 4 – Core organic chemistry
- Module 5 – Physical chemistry and transition elements
- Module 6 – Organic chemistry and analysis

Entry requirements: The standard entry criteria to study in the sixth form are a 9-4 in at least seven different subjects, including English and mathematics, which would usually be at grade 4 or above.

To study science subjects at A-level (biology, chemistry, physics or psychology), you will be required to achieve at least a grade 6/6 in science trilogy or have achieved 6 or above in the individual subject area if taken as a separate science.

For some A-levels with a high mathematical content (particularly computing, chemistry and physics) GCSE at grade 6 in mathematics is also required.

Assessment:
At AS-level there are two 1 hr 30 min papers: Breadth in Chemistry and Depth in Chemistry.

At A-level there are three papers:

Paper 1: Periodic Table, Elements and Physical Chemistry. 2 hr 15 min. Weighting 37%
Paper 2: Synthesis and Analytical Techniques. 2 hr 15 min. Weighting 37%
Paper 3: Unified Chemistry. 1 hr 30 min. Weighting 26%

There is also a non-examinable practical endorsement which involves required practical activities. It will appear on all students' certificates as a separately reported result, alongside the overall grade for the qualification. The arrangements for the assessment of practical skills will be common to all awarding organisations. These arrangements will include a minimum of 12 practical activities to be carried out by each student.

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Financial Information: Students will need to buy the specified course textbook. The cost of field trips, where these are necessary and appropriate, will also be passed on to students.

Future opportunities: A Level Chemistry is an excellent base for a university degree in healthcare such as medicine, pharmacy and dentistry as well as the biological sciences, physics, mathematics, pharmacology and analytical chemistry. Chemistry is also taken by many law applicants as it shows you can cope with difficult concepts. Chemistry can also complement a number of arts subjects.

A range of career opportunities are available including chemical, manufacturing and pharmaceutical industries and in areas such as forensics, environmental protection and healthcare. The problem-solving skills are useful for many other areas, too, such as law and finance.

Further information: Contact Mrs S Dolloway, Subject Leader for Science at dolloway.s@kevi.org.uk