

A-LEVEL CHEMISTRY

At The Maynard School we offer Salters A-level Chemistry from OCR (syllabus B). The course aims to:

- Emphasise the ways Chemistry is applied and the work that Chemists do
- Broaden the appeal of Chemistry by showing how it relates to people's lives
- Emphasise frontier areas of Chemistry
- Provide a rigorous and stimulating treatment of Chemistry that both lays appropriate foundations for future studies and satisfies those who will study no further Chemistry.

ENTRY REQUIREMENTS

The qualification builds on the knowledge, understanding and practical skills that you gained in GCSE Science and GCSE Additional Science or GCSE Chemistry. You should have at least a grade B in these subjects. You should also have at least a B grade in GCSE Mathematics, as numerical and mathematical skills are important in Chemistry. You will need to be able to communicate effectively, be able to plan and carry out research and think critically about problems.

HIGHER EDUCATION AND CAREER OPPORTUNITIES

Advanced Level Chemistry is a very versatile qualification. It is not only valuable in its own right but it is an essential requirement for many careers, particularly Chemistry, Biochemistry, Pharmacology, Pharmacy, Medicine, Veterinary Medicine, Microbiology, Biotechnology, Forensic Science, Chemical Engineering and Teaching.

COURSE CONTENT



Both the AS and the A2 courses are divided into three units. In each case, two of the units are examined by written examination papers and the final units are coursework. The outline of the units is shown below.

AS-level

Unit 1: Elements of life, Developing Fuels.

Unit 2: Elements from the Sea, The Atmosphere, Polymer Revolution.

Unit 3: Coursework — Practical skills assessments within lessons. All written components are carried out under supervision within the classroom.

A2-level

Unit 4: What's in a medicine, The Materials revolution, The Thread of Life, The Steel Story.

Unit 5: Agriculture and Industry, Colour by Design, The Oceans, Medicines by Design

Unit 6: Coursework. An individual practical investigation. For further information about the course at The Maynard School, please contact Mr Flower, Head of Chemistry.

Full details of the specification and course requirements can be found at the exam board website (www.ocr.org.uk).