

CHEMISTRY

HEAD OF FACULTY

Mr A Hoyle
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TYPE OF QUALIFICATION

A-level

EXAM BOARD

OCR

SPECIFICATION

<http://bit.ly/OCRchemistry>

ENTRY REQUIREMENTS

Preferred: GCSE Chemistry grade 6 or combined science grade 66

Essential: GCSE Chemistry grade 6 or combined science grade 66



AIMS OF THE COURSE

The aims of this course are to:

- encourage your interest in Chemistry
- develop potential to study Chemistry related subjects at university
- extend your knowledge
- develop your skills of problem solving, handling data, and your practical techniques
- ensure you achieve the best A level grade you can

COURSE OUTLINE & ASSESSMENT

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

Practical work is embedded throughout the course and assessed separately through the practical endorsement award recorded on the A Level certificate.

CAREER PROSPECTS

As well as studying pure Chemistry at degree level there are a range of chemistry-based subjects such as environmental chemistry, biochemistry and medicinal chemistry. A number of university courses either specifically require or find it desirable to have an A level in Chemistry; these include medicine, veterinary medicine, dentistry, pharmacy, chemical engineering and biological sciences. Chemistry is also appreciated by admissions tutors in many other subjects, for example Law, due to its logical discipline.

SUBJECT ENRICHMENT



Something to think about...

Will humans ever be able to synthesise chemicals in the same way nature can? How should Chemistry shape the sustainable development of our planet? Will we ever design the perfect drug? How would life be different without Chemistry?



Something to listen to...

Royal Society for Chemistry Podcast

(<https://www.chemistryworld.com/podcasts>)

Periodic table podcast (<https://www.rsc.org/periodic-table/podcast>)



Something to read...

Royal Society of Chemistry Website (<https://www.rsc.org/>)

New Scientist magazine (<https://www.newscientist.com/>)

SENECA Learning – (<https://www.senecalearning.com/>) enrol on the OCR A-level Chemistry course

A-level Chemistry Revision (<https://www.a-levelchemistry.co.uk/>)

