

Chemistry

Exam Board: AQA



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Course Summary

Chemistry is a fascinating Science through which people have been able to improve our lives by developing new materials, investigating the causes of disease and helping to feed an expanding world population.

In A Level Chemistry you will study Physical Chemistry, looking in detail at Atomic Structure and investigating fundamental concepts such as Bonding, Energetics, Kinetics and Thermodynamics. You will study Inorganic Chemistry and the Periodic Table, understanding the reactivity in certain groups. Finally you will learn Organic Chemistry, the study of the millions of covalent compounds of the element carbon, and how these structurally diverse compounds vary from naturally occurring petroleum fuels to DNA and the molecules in living systems.

In lessons we embed our understanding the principles and theory through regular practical sessions.

Entry Requirements

A Grade 6 in GCSE Chemistry or a 6-5 in GCSE Combined Science is required.

A Grade 6 in GCSE Mathematics is also required and students are encouraged to consider taking A Level Mathematics alongside Chemistry.

Course Assessment

Students opting for this subject will be committing to a two-year linear course, with all units examined at the end of Year 13. Practical work is embedded throughout the course and students must complete 12 required practical tasks. A pass or fail grading for practical skills is awarded. Assessment of practical skills is through questions in the exams at the end of the course.

Where might it lead?

Chemistry is essential for careers in human and veterinary medicine and can also lead directly to further education and careers in healthcare such as pharmacy and dentistry, biological sciences, physics, mathematics, pharmacology and analytical chemistry.



“After Sixth Form I am hoping to study medicine. Studying Chemistry at A Level gives me a secure foundation for starting this course. IZZY”

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