

# CHEMISTRY

AQA | 7405

Chemistry is involved in every aspect of our lives from the biological processes inside us to the atmosphere around us. A Level Chemistry builds on ideas studied at GCSE: covering a wide range of concepts from the structure of the atom to the energy changes in reactions. It provides the opportunity to learn about concepts that help to explain the fascinating properties of medicines, foods, fabrics and all the matter that makes up our world.

## THE COURSE

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The course is designed so that essential ideas and skills are gained through practical work and problems are solved by developing powers of critical and imaginative thought.

Throughout the course much attention is paid to developing an appreciation of the social, environmental and technological importance of Chemistry. It will appeal to all those who are self-motivated with an analytical mind and an interest in the future and development of the world.

Modules include Physical, Organic and Inorganic Chemistry.

## REQUIRED SUBJECTS

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Pupils will need at least a grade 6 in GCSE Chemistry or in Combined (Trilogy) Science and a grade 6 in Mathematics. Good written communication skills are also important.

## ASSESSMENTS

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- Paper 1 - Physical and Inorganic Chemistry  
35% (2 hrs)
- Paper 2 - Physical and Organic Chemistry  
35% (2 hrs)
- Paper 3 - All topics  
30% (2 hrs)
- Practical Endorsement

## BEYOND THE COURSE

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Chemistry develops a range of skills for life including practical, creative and critical thinking, application of knowledge, analysis and the ability to apply and use concepts or models.

Studying Chemistry, along with Biology, is of vital importance in supporting an application to study Medicine at university and offers pupils routes for further courses and careers in areas such as Dentistry, Veterinary Science, Biochemistry, Environmental Sciences, Pharmacology, Sports Science, Life Sciences, and Forensic Science. It is also highly valued for many other courses and careers, such as Engineering, Patent Law, Mathematics and Accountancy. Recent leavers have gone on to study Medicine, Veterinary Science, Chemistry and Chemical Engineering at universities such as UCL, Imperial College, Cambridge and Newcastle.