

# CHEMISTRY

## COURSE OUTLINE:

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Exam Board: AQA (7405)

A Level Chemistry is a rigorous and highly-regarded academic challenge. You will delve deeply into familiar topics such as atomic structure, carbon chemistry and energetics and be introduced to new areas such as redox chemistry and spectroscopy.

Chemistry is a practical subject and you will quickly learn how to use Quickfit apparatus and how to perform a successful titration. Your numeracy skills will be finally honed and it is expected that you will develop a real appreciation of the meaning of the numbers you are using and applying. You will be required to solve practical and theoretical problems so it is important that you are ready to try out different solutions and be ready to think flexibly.

A level Chemistry: Paper 1: 2 hours (35%) Paper 2: 2 hours (35%) Paper 3: 2 hours (30%) + Practical Endorsement.

## SKILLS REQUIRED:

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Students need to achieve a least a Grade 6 in Combined Science or Separate Science Chemistry to gain entry to the course as well as a Grade 5 in Maths. Students should also have the necessary skills to enable them to: Collect data and evaluate it. Investigate facts and use deduction. Put over their point of view effectively. Take responsibility for their own learning.

## FUTURE OPPORTUNITIES:

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Chemistry is a rigorous and in-demand A Level subject. The versatility of Chemistry at A Level means that the student who achieves a good Chemistry result can go on to do a variety of degree courses at university. As well as the study of Chemistry, other popular degree courses include:

Biology, Biochemistry, Engineering, Pharmacology, Veterinary Science, Medicine.

An A Level in Chemistry is required for the study of Medicine at most Universities and Medical Schools. The study of Chemistry provides a sound basis for careers directly using Chemistry, such as: Medicine, Law and Management.