

A-Level Chemistry

COURSE OUTLINE

AQA chemistry introduces you to important chemical concepts in a fun, exciting and practical way. It also supplies you with a real-world application for the processes which you can carry forward with you to university or employment.

An important part of the course is working with others as an effective team and communicating findings clearly so you can solve problems together.

A key component in chemistry is practical skills. You will be developing these over the course to make you more confident, methodical and analytical in a lab.

COURSE REQUIREMENTS

You must have at least 5 GCSEs Grade 9 - 4 including a minimum of Grade 7 in Chemistry and a Grade 6 in Science overall. If you have taken Combined Science you must achieve a minimum of Grade 7.

COURSE CONTENT & ASSESSMENT

Unit 1 Physical Chemistry

Physical chemistry covers atoms, chemical bonding and the kinetics and thermodynamics of chemical reactions.

Unit 2 Inorganic

Here we look at the groups of the periodic table, how the elements react and their properties.

Unit 3 Organic Chemistry

In this unit we look at alkanes, alkenes, alcohols and more. We also look at how to analyse and make different compounds in a lab.

There are 3 exams in this course. All the exams are taken at the end of Year 13.

Paper 1 - Physical chemistry and inorganic chemistry

Paper 2 - Physical chemistry and organic chemistry

Paper 3 - Any practical skills, data analysis and any content from the course

Each paper has a practical element where you are expected to explain how to do a practical and analyse the results.

PROGRESSION

The skills of a chemist are essential in the fields of Agriculture, Biochemistry, Biological Science, Food Technology, Forensic Science, Engineering, etc. The analytical skills you will develop are also useful in other careers such as Accountancy and Law. Dentistry, Medicine and Veterinary Science all require A-Level Chemistry.

Chemistry complements Biology, Physics, Maths, Psychology, PE and Geography. It also goes well with English, Languages and IT as it helps broaden your studies.