

GCE A-Level Chemistry

Exam board: AQA

Duration: 2 Years

COURSE DETAILS/UNITS AND AIMS

The AS Chemistry course is a 2 year course worth a maximum 56 UCAS points.

The course contains 3 topics each of which contain practical skills assessments that must be passed to gain the qualification.

Assessment

The course will be assessed at the end of the year with **three 2 hour exam** papers. Papers 1 and 2 are made up of 105 marks of short and long answer questions. Paper 1 will test your knowledge of physical and inorganic chemistry and Paper 2 will test you on Physical and Organic Chemistry. The 3rd paper is a 90 mark paper where 40 marks come from your knowledge of practical techniques, 20 from any of the topics you have covered and a final 30 marks of multiple choice.

In addition around 20% of the questions across all papers will test your skills in maths so it is therefore vital that you have a good understanding of Higher tier GCSE maths.

Content

You will start by covering all of the content mentioned in the AS Chemistry course during year one. In year two you will move on to look at the following:

Physical Chemistry

In this section of the qualification you will look at Thermodynamics, Rate equations, Equilibrium constant, electrode potentials and electrochemical cells and finally acids and bases.

Inorganic Chemistry

Building on the AS work you will also look at the Period 3 elements and their oxides, the transition metals and reactions of ions.

Organic Chemistry

This topic is much larger in the second year and covers things such as optical isomerism, aldehydes and ketones, Carboxylic Acids, Aromatic Chemistry, Amines, Polymers, Amino acids, proteins, DNA,

SKILLS AND QUALIFICATIONS REQUIRED

The skills you will need to develop and extend will include practical lab skills, report writing and research techniques. There will be an expectation that after each practical you would write up the investigation in full during your private study time. Therefore you must also be comfortable with fully writing up investigations, analysing and presenting the data and able to draw conclusions based on your evidence.

Due to the technical nature of this subject entry requirements are **BB in your GCSE Sciences**, one of which must be Chemistry if you took the triple award and a **B for GCSE Mathematics**.

CAREER INFORMATION

A chemistry qualification could open doors to all sorts of jobs! The food we eat, the clothes we wear and the technology we use all depend on chemistry. Chemists develop new medicines, safeguard our food supply and monitor and protect our environment.



FURTHER INFORMATION PLEASE CONTACT - Mr D Huckin

Scan this code for more