

C hemistry

The fascinating world of chemistry is explored at A-level through the rigorous and engaging **AQA A-Level Chemistry Course**. Ideas are introduced within a spiral curriculum structure - topics introduced in an early part of the course and reinforced later and this course places a particular emphasis on the development of practical skills and chemical literacy. This syllabus has been chosen as it best prepares you for university and/or if you wish to pursue a career in any chemistry related field while offering a novel and engaging way to extend your love of chemistry. The chemistry is offered through an application and problem solving lens, developing your knowledge and skills through the syllabus.

Course Outline

Year 1

Atomic structure, bonding
Periodic table
Amounts of substance
Chemical reactions
Organic chemistry
Energetics

Year 2

Rates of reaction
Thermodynamics
Organic chemistry
Acid-base equilibria

Assessments

Paper 1: Inorganic and Physical chemistry

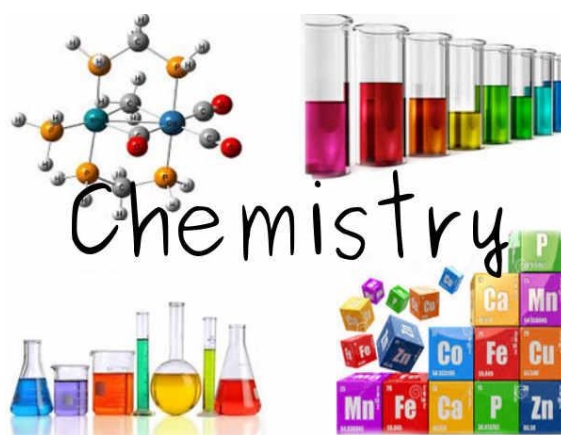
containing structured questions and practical skill based on all modules. This paper is 2 hours and worth 105 marks

Paper 2: Organic and Physical chemistry

Structured questions and extended response questions, covering calculations and applications of theory in industry. This paper is also 2 hours and worth 105 marks

Paper 3:

This paper covers general content in the A level syllabus. Its 2 hours and worth 90 marks.



Career Progression

Chemists can progress into many fields including:

- the energy industry e.g. oil and gas
- pharmaceutical industry e.g. drug development
- health
- Law
- Engineering – chemical engineering

Complementary Subjects

It is **strongly** recommended to take A-level Maths and/or another science alongside chemistry as these subjects can complement the course.

Entry requirements

GCSE Chemistry: 7

GCSE Trilogy Science: 7 (must have 7 in both paper 1 & 2 of the chemistry component of combined science)

GCSE Maths: 6