



Chemistry A Level

Course Content

In Year 12 the course includes the following topics of study and practical experiments related to:

Inorganic chemistry topics:

Periodicity, the alkaline earth metals, organic chemistry, physical chemistry topics and a variety of relevant practical skills

Physical chemistry topics:

Atomic structure, amount of substance, bonding, energetics, kinetics, oxidation, reduction and redox equations

These then develop in Year 13 into studying the following topics with their related practical experiments:

Thermodynamics, rate equations, acids and bases, transition metals, alkanes, optical isomerism, aldehydes and ketones and aromatic chemistry

Career Opportunities

Chemistry is essential for careers including: dentistry, medicine, veterinary science.

Other careers include: dietetics, environment and health, environmental science and engineering, food science, forensic science, pharmacy, pharmacology.

Entry Requirements

Grade 6 in GCSE Chemistry

Or

Grade 6- 6 in Trilogy Science

plus

Preferably Grade 6 (but Grade 5 may be considered) in Maths on higher paper

Assessment

Paper 1

2 hour written exam on Physical and Inorganic Chemistry plus practical skills
105 marks (35% of total A Level)

Paper 2

2 hour written exam on Physical and Inorganic Chemistry plus practical skills
105 marks (35% of total A Level)

Paper 3

2 hour written exam
Any content from the specification and practical skills
90 marks (30% of total A Level)