



A Level Chemistry

Exam Board: AQA



Course Structure:

In Year 12 students study for an AS Level in Chemistry. This involves the study of two Units, both of which are assessed through examination. Unit 1 and Unit 2 will be examined in May/June of each year. In addition to this students will complete an ISA (Investigative Skills Assessment). This involves completing a practical investigation and an internal examination.

All Units are equally weighted.

In Year 13 students study for an A Level in Chemistry. This involves the study of two Units, both of which are assessed through examination. Unit 4 and Unit 5 will be examined in May/June of each year. In addition to this students will complete another ISA (Investigative Skills Assessment) which, as before, involves completing a practical investigation and an internal examination.

All Units are equally weighted.

What will I study?

Unit 1: Atomic Structure, Amount of Substance, Bonding, Periodicity, Organic Chemistry, Alkanes

Unit 2: Energetics, Kinetics, Equilibria, Redox Reactions, Halogens, Alkali Earth Metals, Extraction of Metals, Haloalkanes, Alkenes, Alcohols, Analytical Techniques

Unit 4: Kinetics, Equilibria, Acids and Bases, Nomenclature and Isomerism in Organic Chemistry, Compounds containing Carbonyl Group, Aromatic Chemistry, Amines, Amino Acids, Polymers, Organic Synthesis and Analysis, Structure Determination

Unit 5: Thermodynamics, Periodicity, Redox Equilibria, Transition Metals, Reactions of Inorganic Compounds

What can I do with Chemistry?

Pharmacy	Biomedical Science	Medicine	Chemistry
Environmental Studies	Biochemistry	Food Chemistry	Materials Science
Geochemistry	Forensic Chemistry	Chemical Engineering	Physical Chemistry

Desired entry requirements:

A grade B or better in two or more of the following GCSE Science courses and a grade B in GCSE Mathematics and English:

GCSE Core Science

GCSE Additional Science

GCSE Further Additional Science

Where can I find out more about studying Chemistry at Broadway?

Ask Mr S Ahmed, Mr K Ahmed and/or Mr Nazeeb