

Level 3 Courses

**Chemistry - A Level**

**What will I learn?**

During the AS Chemistry course you will cover the following topics.

**3.1 Physical chemistry**

- Atomic structure
- Amount of substance
- Bonding
- Energetics
- Kinetics
- Chemical equilibria and Le Chatelier's principle
- Oxidation, reduction and redox equations

**3.2 Inorganic chemistry**

- Periodicity
- Group 2 and 7

**3.3 Organic chemistry**

- Alkanes
- Halogenoalkanes
- Alkenes
- Alcohols
- Organic analysis

**How will I be assessed?**

For the standalone AS Chemistry there will be two exams of an hour and a half each, each exam will contain questions on practical skills.

A Level Chemistry will be three 2 hour exams, the first 2 on specific content and practical skills. The third exam is synoptic and could cover any of the A Level content or practical skills.

**What can the qualification lead to?**

You could take this course to complement other A Level courses such as Biology or to prepare for the A Level part of an Advanced GCE in Chemistry.

Chemistry GCE could lead onto higher education in science related subjects or more general higher education courses. Including Chemistry, Medicine, Engineering, and Food Sciences. With further training, you could go into a job related to Chemistry or one of the other sciences such as a Doctor, Nurse, Scientist or Pharmacist.

**Highlights from last year**

Students who completed A Level chemistry all went on to scientific University degrees around the UK and beyond, including Chemistry, Medical engineering, chemical engineering biochemistry and veterinary.

**Entry requirements**

A minimum of six A\*-C GCSE passes including a B in this subject.