

### What will I learn?

#### 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
- Halogen alkanes
- Alkenes
- Alcohols
- Organic analysis

### Highlights

A-level Chemistry is a good choice for students considering careers in the health and clinical professions, including medicine, veterinary science, nursing, dentistry and forensic science. Studying Chemistry will also prepare students for industry careers, such as those within the pharmaceutical or petrochemical sectors. However the varied skills learnt through studying Chemistry are respected across most career paths.

Students who completed A Level chemistry all went on to scientific University degrees around the UK and beyond, including Medicine, Chemistry, Biochemistry, Pharmaceutical Sciences, Pharmacology and Physiology.

### Assessment

Exams

### Course requirements

A minimum of six grade 4-9 GCSE passes, including a 6 or above in this subject and a 6 in Maths.