

# Chemistry

## Exam Board: CCEA

### ENTRY REQUIREMENTS

Basic entry to A-Level course is 5 Grade Cs at GCSE. To enter the A Level Chemistry course a pupil should have attained at least Grade BB in their Double Award Science.

### COURSE STRUCTURE AND CONTENT

Two Modules are studied in Year 13 for AS Level and two additional modules in Year 14

### YOU WILL STUDY

#### AS Level

The pupils follow the AS Level course which is made up as follows:

*Module 1:* Atomic structure, Bonding and Periodicity

*Module 2:* Foundation, Physical and Inorganic Chemistry

*Module 3:* Introduction to organic chemistry

#### A2 Level

The pupils follow the A2 Level course which is made up as follows:

*Module 4:* Further, Physical and Organic Chemistry

*Module 5:* Thermodynamics and further inorganic chemistry

*Module 6:* Synoptic Paper

## YOU WILL BE ASSESSED IN THE FOLLOWING WAYS

### AS Level

*Module 1:* Examination — 33.3%

*Module 2:* Examination — 33.3%

*Module 3:* Coursework or Examination — 33.3%

### A2 Level

*Module 4:* Examination — 33.3%

*Module 5:* Examination — 33.3%

*Module 6:* Coursework or Examination — 33.3%

## SKILLS DEVELOPED

- Applying chemistry to everyday life
- Mathematical skills
- Practical skills
- An enjoyment of chemistry
- Environmental awareness
- Social, ethical and cultural awareness of chemical technology
- An appreciation of matters of scientific interest
- Preparation for further education/employment

## CAREER PROGRESSION

Chemistry is a prerequisite for many courses in Higher Education and for many areas of employment. Chemistry is normally required for the following Higher Education courses:—

- Medicine
- Dentistry
- Veterinary
- Pharmacy
- Biological, Chemical and Biomedical Courses
- Chemistry Engineering
- Forensic Science
- Food Science
- Dietetics
- Agriculture Courses