

## A-Level Chemistry

**EXAMINATION BOARD (Edexcel) Entry requirement: 6+ in iGCSE Chemistry**

### **DESCRIPTION OF COURSE**

Edexcel IAS and IAL-Level Chemistry builds on the skills acquired at Edexcel IGCSE (or equivalent) level. The syllabus includes the main theoretical concepts which are fundamental to the subject, a section on some current applications of chemistry, and a strong emphasis on advanced practical skills. Practical skills are assessed throughout the course with around 16 core practical's and a number of supplementary investigations. The emphasis throughout is on the understanding of concepts and the application of chemistry ideas in novel contexts as well as on the acquisition of knowledge.

### **METHOD OF ASSESSMENT**

#### AS

Units 1 and 2 – Exams: January/June, Externally Assessed Written Papers, 1hr 30mins, 80 marks, 40% final IAS grade and 20% final IAL grade each.

Unit 3 – Exam: June, Externally Assessed **Alternative to Practical Written Paper**, 1hr 20mins, 50 marks, 20% final IAS grade and 10% final IAL grade.

#### A2

Unit 4 – Exam: January/June, Externally Assessed Written Paper, 1hr 45mins, 90 marks, 40% final IA2 grade and 20% final IAL grade.

Unit 5 – Exam: January/June, Externally Assessed Written Paper, 1hr 45mins, 90 marks, 40% final IA2 grade and 20% final IAL grade.

Unit 6 – Exam: June, Externally Assessed **Alternative to Practical Written Paper**, 1hr 20mins, 50 marks, 20% final IA2 grade and 10% final IAL grade.

Units 1, 2, 4 and 5 Written Exam Papers will consist of objective, structured, short answered and practical questions and will also cover *How Science Works*. Units 3 and 6 Alternative to Practical Written Exam Papers will assess students' knowledge and understanding of experimental procedures and techniques covered in practical's.

### **SKILLS TAUGHT**

Being a practical subject, pupils will be performing a range of practical's designed to incorporate a variety of practical techniques particular to the requirements of the course. Pupils will refine their ability to collect, analyse and evaluate data to form conclusions from. Students will also develop their understanding and application of chemistry to the world around them.

### **CAREERS OPTIONS**

This is a long-established and respected qualification that can allow progression into a range of higher education courses and hence careers. For example, Medicine, Applied Sciences, Sport Science and Engineering. Entry into direct employment is possible especially into the scientific sector such as Pharmacy and Biotechnology.