

# A LEVEL CHEMISTRY

Awarding Body: AQA 7405



**Our Aims:** We aim to stimulate curiosity, interest and the enjoyment of Chemistry, both as a subject and its method of enquiry.

We hope to support our students to acquire a systematic body of chemical knowledge and to develop an understanding of the concepts, principles and applications of chemistry.

## Examinations

### Paper 1

Physical and Inorganic: 2 hours, 35% of the A-level, short and long answers.

### Paper 2

Physical and Organic: 2 hours, 35% of the A-level, short and long answers.

### Paper 3

Any content or practical skill: 2 hours, 30% of the A-level, questions on practical techniques, data analysis testing across the specification and 30 marks of multiple-choice questions.

## Non-Examined Assessment

12 required practical experiments, assessed in lessons.

## Course content

The course looks at Inorganic, physical and organic chemistry, studying topics such as polymers like nylon; making aspirin; structure determination from multiple sources of data; why substances are coloured; how lithium-ion cells work; calculations of the amount of energy that can be released from a reaction and the proportions of products that should be made as well as the likely hood of a reaction occurring.

## Entry requirements

Grade 7 or higher at GCSE Chemistry (triple award) **and** grade 7 or higher in Maths, and 7-8 in double award with Chemistry modules Grade 8.

## Future opportunities

Students can go on to study Medicine, but also Chemistry as a degree, as well as Pharmacy, Natural Sciences, Chemical Engineering and Materials Science.

## Further information

Students have gone on to study Medicine, Zoology, Dentistry, Chemistry, Chemical Engineering and Natural Sciences at several leading universities including Oxford, Cambridge and a variety of London universities amongst others.