

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.