

Chemistry

Examination Board: OCR A

Staff Lead

K Boyle, BSc (Hons), MSc, PGCE(M)

Why Study Chemistry?

In studying A level chemistry, not only will you develop your knowledge and understanding of chemistry and the material world, but practical, mathematical, and analytical skills, as well as problem solving, logical reasoning, application and both verbal and written communication skills. The development of these skills makes A level chemistry highly respected by universities and employers, in a wide range of fields.

Career Paths & Degree Courses

Studying chemistry opens up an array of career opportunities. These include medical professions such as medicine, dentistry, paramedicine, ODP (operating department practitioner), pharmacology and radiology and veterinary science.

A level Chemistry also supports entry to science based careers such as astrophysics, biology, biochemistry, chemistry, chemical engineering, dietetics, ecotoxicology, environmental science, forensic science, geology, oceanography and regulatory science.

Financial professions including accountancy, auditing and investment banking may seem like unusual routes for chemistry students, but these professions specifically look for the skills developed through studying chemistry.

Requirements

At least five 9-4 grades at GCSE, with a minimum average grade score of 4.5. A grade 6-6 (minimum) in Science including a 6 or above in the Chemistry component. Mathematics GCSE at grade 6 or above.

Teaching Unit	Title
Module 1	Development of Practical Skills
Module 2	Foundations in Chemistry
Module 3	Periodic Table & Energy
Module 4	Core Organic Chemistry
Module 5	Physical Chemistry & Transition Elements
Module 6	Organic Chemistry & Analysis

Exam	Modules Assessed
Paper 1 Periodic Table, Elements and Physical Chemistry	1, 2, 3 and 5
Paper 2 Synthesis and Analytical Techniques	1, 2, 4 and 6
Paper 3 Unified Chemistry	1, 2, 3, 4, 5 and 6