Chemistry

Exam Board OCR
Qualification A-level
Entry Requirements Grade 7 in Chemistry, Grade 7/7 in Combined Science, Grade 6 in Maths

Content

Year 12
Module 1: Development of Practical Skills in Chemistry. Practical skills are assessed in both the written examination and the practical endorsement.
Module 2: Foundations in Chemistry
Module 3: Periodic Table and Energy
Module 4: Core Organic Chemistry

Year 13
Module 1: Development of Practical Skills
Module 5: Physical Chemistry and Transition Elements
Module 6: Organic Chemistry and Analysis

Assessment

Examinations – A-level
3 examinations are taken at the end of year 13.

Paper 1 (**Periodic table, elements and physical chemistry)** assesses the content fromModules 1, 2, 3 and 5 – (100 marks, 37%, 2hr 15 min Exam)

Paper 2 (**Synthesis and analytical techniques)** assesses the content from Modules 1, 2, 4 and 6 – (100 marks, 37%, 2hr 15 min Exam)

Paper 3 (**Unified Chemistry)** assesses the content from Modules 1 to 6
(70 marks , 26%,1hr 30 min Exam)

Practical Skills
Practical skills are assessed internally. Students are awarded either Pass/Fail, which is recorded on their A-level certificates. This unit is **NOT** used in the accreditation of their A-level grades at the end of the respective courses.

Career Prospects

Chemistry will let you get ahead in STEM (Science, Technology, Engineering and Maths) careers. A student with A- level qualifications in Chemistry has a vast choice of subjects to study at university (e.g. Sciences, Engineering and Technology, Medicine, Dietetics, Environmental Sciences, Materials Science, Nursing and Midwifery, Optometry, Pharmacy, Physiotherapy, VeterinaryScience and Dentistry). A qualification in A-level Chemistry will enable a student to enter theworld of work (e.g. Laboratory Technician, or Higher Education). Chemistry is an important subject for careers in medicine, environmental science, engineering, toxicology, developing consumer products, metallurgy, space exploration, developing perfumes and cosmetics, pharmaceuticals, energy, teaching and science writing.