Chemistry A Level

Chemistry, unlike other sciences, sprang originally from delusions and superstitions, and was at its commencement exactly on a par with magic and astrology."
- Thomas Thomson

Chemistry is everywhere, from the material in your mobile phone to the food you eat. Chemistry connects both physics and biology and supports the understanding of both. By studying chemistry you will develop research, problem solving skills and analytical skills. One of the most important issues in the world today is Global warming, by studying chemistry you will gain a better understanding of this issue and consider strategies to help reduce this issue.

Course outline:

We follow the OCR Chemistry A specification, which is divided into chemical topics, each containing different key concepts of chemistry.
Module 1 – Development of practical skills in chemistry
Module 2 – Foundations in chemistry
Module 3 – Periodic table and energy
Module 4 – Core organic chemistry
Module 5 – Physical chemistry and transition elements
Module 6 – Organic chemistry and analysis

How you will be assessed

Paper 1: Periodic table, elements and physical chemistry 100 marks 2 hours 15 minutes (37% of total)
Paper 2: Synthesis and analytical techniques 100 marks 2 hours 15 minutes (37% of total)
Paper 3: Unified chemistry 70 marks 1 hour 30 minutes (26% of total)
Non Examined Assessment: Practical Endorsement in chemistry (reported separately)

Entry requirements

Grade 6 in chemistry plus a grade 6 in another science subject
OR
Grade 6 in Trilogy Higher Combined Science

Where could the course take you:

Dentist
Medical doctor
Vet
Material scientist
Metallurgist
Analytical chemist.
Chemical engineer.
Healthcare scientist,
clinical biochemistry.
Forensic scientist.
Nanotechnologist.
Pharmacologist.
Research scientist (physical sciences)
Toxicologist.