

Chemistry A Level OCR

Chemistry impacts on all facets of our lives and an understanding in this subject is essential to comprehend other scientific subjects such as Astronomy or Zoology. Chemistry is concerned with all aspects of molecules, their physical and chemical properties, their composition and structure, their synthesis and use in the 21st century. This is a demanding yet popular subject with A Level students. Studying Chemistry requires a high level of dedication and it is essential that you read around the subject for a better understanding of the subject material.

Course Structure

- 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

Skills & Knowledge

As well as covering advanced level study of chemistry, this course enables you to develop a range of valuable transferable key skills. Examples of the key skills covered during this course are: how to plan for an investigation, considering key variables, risk assessments and repeatability, carry out calculations and analyse data collected in investigations, carry out internet and academic journal based research, use analysis of practical data, effectively use resources at your disposal to become an independent and reflective student.

Assessment

This course is 100% exam based incorporating three papers. All exams will take place at the end of the second year.

Opportunities & Enrichment

The sixth form encourages all students doing A Level Sciences to join the National Stem club (see current writings). Further reading, working with the LRC is an important part to enrich the curriculum and to reach higher grades. Finally WMSF offers a number of internal and external seminars, trips to enrich curriculum and assistance in applications to STEM HE courses.

Future Careers & Pathways

Students use Chemistry A Level as a route into many career and higher education possibilities. These may include but are not limited to Medicine, Veterinary Science, Veterinary Nursing, Dentistry, Medical Research, Pathology, Forensic Science, environmental scientist, pure Chemistry, Organic and Physical Chemistry, Petroleum chemist and scientific journalism. Careers in Finance, Economics often require students to have studied one of the Sciences.