

Chemistry

A level Chemistry is a study of the structure, composition and properties of the matter that make up the world we live in. Explore the fascinating field of Chemistry. Discover fundamental aspects about the complex world around you.

Chemistry combines practical laboratory experience with theoretical content, encouraging critical, logical and innovative thinking for problem solving.

A qualification in Chemistry is highly valued by many universities and industries and can lead to a wide variety of careers.

Student Profile

A successful student will need:

Grade 6 in GCSE Chemistry or in Additional Science.

Grade 6 in GCSE Mathematics.

An interest in Chemical processes and in developing practical skills.

A scientifically inquisitive mind some one who asks questions about the world around them

To be determined, self-motivated and prepared to work hard.

To work well both independently and as part of a small group.

Course Content (OCR)

AS level

Module 1– Practical Skills in Chemistry

Module 2– Foundations in Chemistry

Module 3– The Periodic Table and Energy

Module 4– Core Organic Chemistry

A level

Module 1– Physical Chemistry

Module 2– Organic Chemistry and Analysis

For the full A level all exams are taken at the end of the two year course.

Skills Gained

Building a repertoire of practical based skills including:

- Following methods
- Planning investigations
- Analysing data
- Drawing conclusions
- To link together concepts to help explain complex phenomena
- Building problem solving skills - both practical and mathematical
- The ability to evaluate

The Future - What Next?

Students who successfully complete this course can use the skills they have learnt in a vast field of vocations including: Medicine, Forensic Science, Toxicology, Pharmacology, Cardiology, Veterinary Medicine, Dentistry, Chemical Engineering, Cosmetic Design... and many more!!



John McCarthy

BSc (Hons) Chemistry, PGCE

Head of Chemistry

McCarthyJ@

lydiardparkacademy.org.uk



James Watts

BSc (Hons) Biological Science, MSc Ecology & Evolution, PHD Biology

Teacher of Biology & Chemistry

WattsJ@

lydiardparkacademy.org.uk

'Potential into Performance'

Building Your Future Together