

Chemistry A Level



Exam Board: AQA

Why A Level Chemistry?

To gain a fundamental understanding of the processes and phenomena that makes up all materials and the foundations of life itself. Chemistry sits between Physics and Biology, since advances in all three fields are mainly reliant on chemical ideas. Humankind will benefit greatly from innovations in materials with properties tailored to new uses in fields as diverse as construction and medicine.

Thinking and Life Skills you will develop:

- Application of skills to tackle unfamiliar problems
- Relating theory to practical application
- Research and analytical skills
- Critical and evaluative thinking
- Practical dexterity
- Ability to analyse qualitative and quantitative data thoroughly.

What will you study?

Fundamental principles that form the basis of chemistry such as atomic structure, bonding, periodicity and an introduction to organic chemistry. Equilibria, polymers, aromatic chemistry, thermodynamics, energetic chemistry and inorganic chemistry are also included.

University degrees that require or often prefer Chemistry include:

Pure Chemistry, Biochemistry, Dentistry, Medicine, Veterinary science, Environmental Science, Materials Science, Natural Science, Biomedical Science, Pharmacy, Chemical Engineering, Dietetics and Psychology.

Possible careers:

Directly related: Food scientist, pharmaceutical research, cosmetic scientist and doctor.

Further afield: Computer programmer, lawyer, journalist and company management.

Entry requirements:

Minimum grade 6 in all GCSE Chemistry modules. Minimum of grade 6 in English and grade 7 in GCSE Mathematics due to high content of maths.



'I am one of those who think like Nobel, that humanity will draw more good than evil from new discoveries.'

Marie Curie