



A LEVEL

CHEMISTRY

Course Summary

COURSE OVERVIEW

AQA A-level Chemistry explores the principles that explain how substances behave and interact. Students study physical, inorganic and organic chemistry, developing strong practical, mathematical and analytical skills. Topics include atomic structure, bonding, energetics, kinetics and organic synthesis, providing a foundation for further study in science, medicine, engineering and related fields.

WHY SHOULD I STUDY CHEMISTRY?

Studying Chemistry helps you understand the materials and reactions that shape our world, from medicines to sustainable energy. It develops logical thinking, problem-solving and practical skills valued in many careers. Chemistry links closely with biology, physics and maths, opening pathways to science, medicine, engineering, and environmental or pharmaceutical research.

WHAT COURSES CAN THIS PREPARE ME FOR AT UNIVERSITY?

Chemistry supports university courses such as medicine, dentistry, pharmacy, biochemistry, chemical engineering, materials science, environmental science, and forensic science, as well as general natural sciences degrees.

WHAT CAREERS CAN THIS SUBJECT SET ME UP FOR?

A-level Chemistry can lead to careers in medicine, pharmacy, chemical engineering, forensics, research, environmental science, biotechnology, and education, using analytical, practical, and problem-solving skills.

COURSE SPECIFICATION

EXAM BOARD: XXX

Paper	Content	Duration	Weighting
1	Inorganic & Physical Chemistry	2 hours	35%
2	Organic & Physical Chemistry	2 hours	35%
3	Synoptic & Practical Skills	2 hours	30%