A Level Chemistry

Why study Chemistry?

Most students studying A-level Chemistry progress onto further study at university and then employment or research in the fields of medical sciences, engineering, and pharmaceuticals. Alternatively, there are growing numbers of high quality STEM apprenticeships available at 18 in these areas which students with A level Chemistry are well equipped to pursue.

What are the entry requirements?

Grade 7-7 in Combined Science.

Grade 7 in Chemistry (Separate Science).

We would strongly advise that you do not take Chemistry as your only Science. Students are more like to succeed on this course when it is taken with at least one of Biology, Physics or Maths.

What will I study?

- Atomic structure and Periodic Table
- Bonding and structure
- Formulae and equations
- Redox I/Redox II
- Inorganic chemistry (Gp 2 & 7)
- Organic chemistry I/Organic chemistry II
- Modern analytical techniques I/Modern analytical techniques II
- Energetics I/Energetics II
- Kinetics I/Kinetics II
- Equilibrium I/Equilibrium II
- Acid-base equilibria

You will enjoy this course if...

You have good research, problem solving and analytical skills. It helps to you challenge ideas and show how you worked things out through logic and step-by-step reasoning.
Chemistry often requires teamwork and communication skills too, which is great for project management.

How will my work be assessed?

The qualification is linear. Students will sit their exams at the end of their course for A level.

Paper 1: Inorganic and some physical, plus AS topics. Total marks-90-1h 45mins. 30% of the total A level marks.

Paper 2: Organic and some physical, plus AS topics. Total marks-90-1h 45mins. 30% of A level marks.

Paper 3: All topics – 50% practical questions. Total marks-120-2h 30mins. 40% of the total A level marks.