

Chemistry

Why study Chemistry?

A Level Chemistry offers the opportunity to explore the principles of Physical, Organic, and Inorganic Chemistry in greater depth. You will develop strong analytical and problem-solving skills, learn to evaluate evidence objectively, and gain a deeper understanding of the world around you. The course also encourages teamwork and effective communication, while providing extensive opportunities to build and refine practical laboratory skills throughout the two-year programme.

Entry Requirements

To study Chemistry at A Level, you need to achieve a Grade 8 or above in GCSE Chemistry and a Grade 7 or above in Mathematics.

Course Content

Some of the topics that will be studied include:

- Year 12: Development of Practical skills, Foundations in Chemistry, Periodic Table and Energy, Core Organic Chemistry
- Year 13: Physical Chemistry and Transition Elements, Organic Chemistry and Analysis

Relevance

A Level Chemistry opens the door to a wide range of exciting career opportunities as the course equips students with the ability to interpret complex information, evaluate evidence, and develop effective solutions to challenging problems. This is excellent preparation for degree courses and careers in fields such as law, patent law, management, and even languages.

Career versatility

Whatever path you choose, Chemistry provides a respected and versatile qualification that supports future academic and career success. is a versatile subject that can lead to many career possibilities, both in and out of science. Some careers that may require or benefit from A Level Chemistry include biochemistry, medicine, physiotherapy, dentistry, veterinary medicine, chemical engineering, and more.

Academic flexibility and skills developed:

The course develops confidence and proficiency in practical, mathematical, and scientific thinking skills, while fostering a strong understanding of how scientific knowledge is developed and applied. Students learn to work both independently and collaboratively, carry out and evaluate practical

investigations, analyse and interpret data, and apply their knowledge to unfamiliar contexts and exam-style problems.