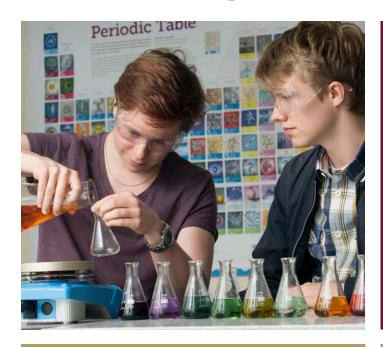
Chemistry



What our students say:

"I want to study medicine, so chemistry was a natural choice. The A Level was definitely really challenging, but teachers always went the extra mile to help me understand key concepts."

Why this course is right for you:

Everything in the universe, from you to the stars, is made of 92 naturally-occurring elements. To understand chemistry is to understand the universe. Countless aspects of our lives are interconnected due to chemistry, and chemists explore the world at its molecular level.

As an A Level subject, this course fosters scientific curiosity, logic and creative problem-solving, working in the lab in an experimental capacity.

If you see a future in biochemistry, medicine, nursing, environmental sciences or forensic science, study chemistry. However, chemists also go on to have a huge range of careers outside STEM, from marketing to law and politics.

What you need to know:

Exam Board: OCR A

Who to speak to: Mr Hake

Topics Covered:

Topic 1 - Practical Skills in Chemistry

Topic 2 - Foundations in Chemistry

Topic 3 - Periodic table and energy

Topic 4 - Core organic Chemistry

Topic 5 - Physical Chemistry and transition elements

Topic 5 - Organic Chemistry and analysis

Assessment:

100% written examination in year 13

Year 1:

Early Hurdle

Module tests

Paper 1 - Breadth in Chemistry (70 marks)

Paper 2- Depth in Chemistry (70 marks)

Year 2:

Module tests

Paper 1 - Periodic table, elements and physical chemistry (100 marks)

Paper 2 - Synthesis and analytical techniques (100 marks)

Paper 3 - Unified Chemistry (70 marks)

Entry Requirements:

Grade 6 in GCSE Chemistry or grade 6, 6 in Combined Science required

Grade 6 GCSE Maths required

Grade 7 in GCSE Chemistry or grade 7, 7 in Combined Science desirable

Co-curricular/trips:

Chemistry Olympiad, STEM Smart (Cambridge University)