



Chemistry A Level (AQA Specification Code: 7405)

“Chemistry begins in the stars. The stars are the source of the chemical elements, which are the building blocks of matter and the core of our subject.”

Curriculum Vision

The Science Department develops pupils who are critical thinkers, problem solvers and innovators. At the conclusion of their school career, our pupils will be able to apply their scientific knowledge to contemporary issues, making connections between scientific disciplines, and their implications for other disciplines. This will empower them to act as informed citizens and help them feel more confident in the decisions they may need to make on their own.

Whether you want a career in medicine or industry, Chemistry gives a solid platform upon which careers are built.

What will you learn?

There are three major areas of study at A Level Chemistry. These are:

- Physical chemistry
- Organic chemistry
- Inorganic chemistry

What the exam/ assessment looks like: How will you be assessed?

The A Level is assessed by three written papers, each lasting 2 hours.

Paper 1	+	Paper 2	+	Paper 3
What's assessed <ul style="list-style-type: none">• Relevant Physical chemistry topics (sections 3.1.1 to 3.1.4, 3.1.6 to 3.1.8 and 3.1.10 to 3.1.12)• Inorganic chemistry (Section 3.2)• Relevant practical skills		What's assessed <ul style="list-style-type: none">• Relevant Physical chemistry topics (sections 3.1.2 to 3.1.6 and 3.1.9)• Organic chemistry (Section 3.3)• Relevant practical skills		What's assessed <ul style="list-style-type: none">• Any content• Any practical skills
How it's assessed <ul style="list-style-type: none">• written exam: 2 hours• 105 marks• 35% of A-level		How it's assessed <ul style="list-style-type: none">• written exam: 2 hours• 105 marks• 35% of A-level		How it's assessed <ul style="list-style-type: none">• written exam: 2 hours• 90 marks• 30% of A-level
Questions <p>105 marks of short and long answer questions</p>		Questions <p>105 marks of short and long answer questions</p>		Questions <p>40 marks of questions on practical techniques and data analysis</p> <p>20 marks of questions testing across the specification</p> <p>30 marks of multiple choice questions</p>

Entrance requirements: What will you need to study this course?

Students studying at A Level will require 5 or more GCSEs graded 9-5 or A-C. To study Chemistry, you will also need a minimum of at least a grade 5 in English, a grade 5 in Mathematics and a grade 6 in Double Science, Chemistry or equivalent, at the higher tier.

How will you learn?

- Textbooks
- Chemistry A-Level specification
- Practical's (including 12 Required Practical's)
- Chemistry websites
- Chemistry Olympiads
- Chemistry lecturers/ Webinars
- Independent learning
- Chemistry workshops

Career links: Where will it take you?

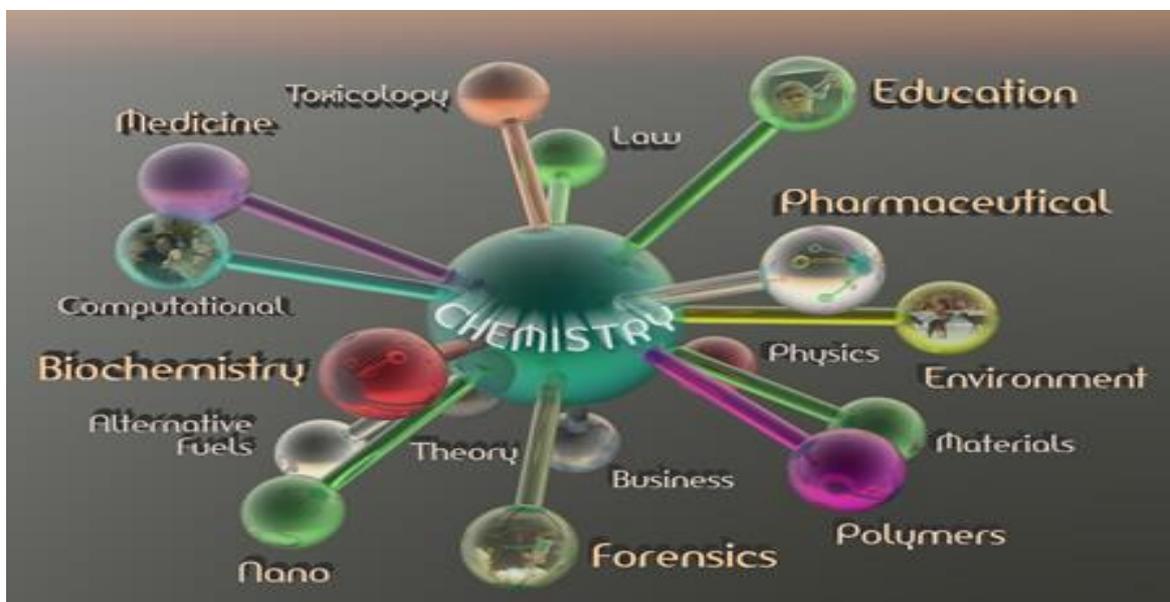
Chemistry A Level leads to careers in health or clinical professions or in industry. These include medicine, nursing, biochemistry, dentistry or forensic science and the petrochemical or pharmaceutical industries. Chemistry A Level can also lead to Higher Education courses such as teaching, nursing, medicine, environmental science, pure science, applied sciences and physiotherapy.

Recommended textbook

- A-Level Chemistry: AQA Year 1 & AS Complete Revision & Practice with Online Edition by CGP Books (2018)
- A-Level Chemistry: AQA Year 2 Complete Revision & Practice with Online Edition by CGP Books (2018)

What homework looks like

Homework is based on past paper exam questions and are generated either using Kerboodle or Exampro.



Who to talk to?
Dr Tsui or Ms Zaman