

A Level Chemistry



Exam board: OCR

An A-level in Chemistry is highly respected and the salaries for Chemistry graduates are amongst the highest for any subject at degree level.

Chemistry is often referred to as the Central Science because it joins together Physics, Mathematics, Biology, Medicine, Earth Science, Forensic Science and Environmental Sciences. Knowledge of the nature of chemicals and chemical processes therefore provides insights into a variety of physical and biological phenomena. For better, for worse, everything is chemical!

Course summary:

- Developing Practical Skills
- Foundations in Chemistry
- The Periodic Table & Energy
- Core Organic Chemistry
- Physical Chemistry & the Transition Elements
- Organic Chemistry & Analysis

A more rigorous examination of the students' Mathematical skills will be inherent in the new specification and there is a "Maths Module" to support this.

Practical Work

Practical work will continue to be a major part of A-level teaching, but will no longer be examined in the laboratory as a coursework element. The new specifications include practical questions in the written exams. This will lead to an "A-level Practical Endorsement"

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Assessment:

Paper 1: Periodic Table, Elements & Physical Chemistry.

Paper 2: Synthesis & Analytical Techniques

Paper 3: Unified Chemistry

Entry requirements:

Grade 6 or above in GCSE Combined Science or GCSE Chemistry will give you the best chance of success on this course. You will be expected to be competent in your knowledge of GCSE Chemistry.

Who is the course for?

A-level chemistry is an exciting, challenging subject to study and it can reward you in many surprising ways. If you have a genuine interest then this is the subject for you. Chemistry is a core requirement for most medical undergraduate courses.

Career pathways:

An A-level in Chemistry is an excellent qualification for a wide career choice within science, industry or commerce. Students with a firm background in Chemistry have demonstrated themselves to be numerate, analytical and practical with good problem solving, presentation and communication skills. Jobs can be found in small to multinational chemical companies, as well as business, banking, accountancy, marketing, advertising, teaching, the IT sector and of course, research and design. An A-level in Chemistry is highly respected and the salaries for Chemistry graduates are amongst the highest for any subject at degree level.

“Chemistry at Park House School is taught in an engaging way that brings the topic to life. Lesson plans are built around the students, to ensure students understand every topic in depth. I look forward to my lessons each week, chemistry A-Level is fun.”