

SCIENCE: sbenskin@rushcliffespencer.org.uk

CHEMISTRY (A LEVEL)

AIMS OF THE COURSE

Chemistry affects the whole world around us and there are very few products in the world that do not involve chemists in some way. This can range from biochemists developing new drugs to cure diseases to materials used by chemists developing the fabrics of the future. Additionally, chemistry is required for a number of non-chemistry degree courses such as Medicine and Dentistry.

The aim of the A level Chemistry course is to give students an understanding of how substances behave and interact on an atomic scale and how this can be applied to the real world.

COURSE OUTLINE AND CONTENT

Assessment	Overview	Marks	%
2:00	P1 - Inorganic & Physical Chemistry	105	35
2:00	P2 - Organic & Physical Chemistry	105	35
2:00	P3 - Synoptic Paper & Practical Skills	90	30

The chemistry course covers the broad foundations of physical, organic and inorganic chemistry, allowing students to explore the wide world of chemistry and its broad applications. It also includes a synoptic and practical skills paper.

WHAT SKILLS WILL I LEARN?

In addition to chemical knowledge, the course will also develop skills that are valued by universities and employers. These include problem solving, practical skills, working safely, numeracy, literacy, communication, thinking in 3D and teamwork.

QUOTE

"Chemistry has given me a real insight into the world around us. Both fun and informative - this year has been fantastic."

POSSIBLE CAREER PATHS

There are hundreds of career sectors that look for students with A level Chemistry, ranging from agro chemistry to textiles, there are many you would not even know existed. Even if you do not choose a career in chemistry, employers know and trust the qualification as a good indicator of intellect and work ethic.

ADDITIONAL EXAM BOARD DETAILS

<https://rb.gy/rcd0ya>

PREVIOUS GRADES

Exam Board: AQA

	A*	A	B	C	D	E	U	X	Totals
2023	1	15	10	10	7	1	1	0	45
2024	6	17	10	11	12	1	0	0	57
2025	4	20	17	13	6	1	0	0	61

ENTRY REQUIREMENTS

- 5 GCSE grades 4-9 including Mathematics and English Language
- Grade 5 in Mathematics and English Language
- Grade 6 in Chemistry or performance at Grade 6 in the Chemistry papers in Combined Science