

SCIENCE: sbenskin@rushcliffespencer.org.uk

APPLIED SCIENCE (VOCATIONAL)

This is a two-year course equivalent in size to one A level. This type of course requires you to be well organised and able to work to deadlines; you will be a student who achieves through continuous assessment.

AIMS OF THE COURSE

The course gives you the opportunity to pursue your passion for science whilst developing your skills, knowledge and understanding.

COURSE OUTLINE AND CONTENT

Assessment	Overview	%
60m	Unit 1: Biology External Exam	17
60m	Unit 2: Chemistry External Exam	17
60m	Unit 3: Physics External Exam	17
	Unit 4: Practical Scientific Procedures and Techniques (Coursework)	25
	Unit 5: Science Investigation Skills (Coursework)	25

This two-year course covers practical applications of biology, chemistry and physics and develops the skills and techniques necessary for the workforce. Content includes subjects such as cellular biology, periodicity and properties of elements, organic chemistry and electrical circuits, providing a wide base of knowledge and understanding of the natural world.

WHAT SKILLS WILL I LEARN?

The requirements of the qualification will mean that you develop the transferable and higher order skills which are valued by higher education and employers. For example, the study of Applied Science particularly encourages development of skills such as evaluation, analysis and synthesis. You will learn how to think and work like a scientist in a practical environment. You will develop written communication skills when producing lab reports and analysing data. You will understand a range of scientific techniques across all three sciences and develop competency in working with a wide variety of lab equipment.

QUOTE

"Develop your ability to communicate science in written coursework and examinations."

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CAREERS/FURTHER EDUCATION

The course supports progression to Higher Education (universities and colleges) and carries UCAS points equivalent to a single A level. This is also a great course for supporting entry to a Higher Apprenticeship or employment in the science sector. Students taking Applied Science may go on to study a wide range of degree courses including Physical Science, Psychology, Forensics, Biomedical sciences and Nursing.

ADDITIONAL EXAM BOARD DETAILS

<https://tinyurl.com/4hvpa8dy>

PREVIOUS GRADES

Exam Board: Pearson

	D*	D	M	P	U	X	Totals
2023	0	1	2	0	0	0	3
2024	0	1	7	0	0	0	8
2025	2	2	6	1	0	0	11

ENTRY REQUIREMENTS

- 5 GCSE grades 4-9 including Mathematics and English Language
- Grade 4 in Biology/Chemistry/Physics or 4-4 in Combined Science