

SCIENCE: sbenskin@rushcliffespencer.org.uk

BIOLOGY (A LEVEL)

AIMS OF THE COURSE

Biology A level is designed to provide students with the opportunity to explore a wide range of biological concepts, both theoretically and experimentally. Throughout the course, students will be given the opportunity to develop a wide range of skills including experimental techniques, analytical and evaluative skills and independent research skills. The course aims to develop awareness of current biological issues and up to date theories.

COURSE OUTLINE AND CONTENT

Assessment	Overview	Marks	%
 2:15	P1 - Biological Processes	100	37
 2:00	P2 - Biological Diversity	100	37
 2:00	P3 - Unified Biology	70	26
	Practical Endorsement in Biology	pass/fail	

The Biology Practical Endorsement for A level courses is designed to assess a student's understanding of the practical aspects of biology. This type of assessment requires students to demonstrate their ability to carry out experiments, draw valid conclusions based on results and explain their findings accurately.

Biology content is split into six teaching modules which cover everything from foundations and the development of practical skills to biodiversity, ecosystems, and genetics and evolution. The curriculum explores a broad range of biological study to facilitate a wide knowledge base.

WHAT SKILLS WILL I LEARN?

The course content allows students to develop skills in communicating scientific ideas using appropriate language, application of theory, collecting primary scientific data,

presenting and processing both primary and secondary data, data analysis and evaluation of experimental technique. There is an emphasis on mathematical skills in biology including statistical analysis of data. Students will also be able to develop their independent research skills.

POSSIBLE CAREER PATHS

Students use Biology A level as a route into medicine, physiotherapy, nursing, veterinary science, veterinary nursing, optometry, dentistry, conservation, marine biology, horticulture, medicinal research, pathology, forensic science and many more careers.

ADDITIONAL EXAM BOARD DETAILS

<https://bm03.short.gy/zvqfAH>

PREVIOUS GRADES

Exam Board: OCR

	A*	A	B	C	D	E	U	X	Totals
2023	4	6	15	9	12	2	1	0	49
2024	4	13	16	15	10	2	0	0	60
2025	4	20	16	14	10	3	1	0	68

ENTRY REQUIREMENTS

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