

# Biology

TYPE OF QUALIFICATION	GCE AS & A level
LEVEL OF ENTRY	5 A*-C passes at GCSE (B in Biology B in both core and additional, Triple Science preferred) And English. * Science unit scores will also be taken into account.
METHOD OF ASSESSMENT	Exam: Year 12 and Year 13
LENGTH OF COURSE & NUMBER OF LESSONS PER CYCLE EXPECTED STUDY EXPECTATIONS	One year AS and one year as A2 5 Lessons per week 5 hours of directed self-study minimum, alongside set homework and revision.

## COURSE STRUCTURE:

Level	Unit	Title	Grade Weighting
AS level	Paper 1 (Exam)	<b>Paper 1 (Includes topics from 1-4)</b> 1. Biological molecules 2. Cells 3. Organisms exchange substances with their environment 4. Genetic information, variation and relationships between organisms	50% AS level
AS level	Paper 2 (Exam)	<b>Paper 2 (Includes topics from 1-4)</b> 1. Biological molecules 2. Cells 3. Organisms exchange substances with their environment 4. Genetic information, variation and relationships between organisms	50% AS level
A level	Paper 1 (Exam)	Paper 1 (Includes topics From 1– 4, including relevant practical skills) 1. Biological molecules 2. Cells 3. Organisms exchange substances with their environment 4. Genetic information, variation and relationships between organisms Biological molecules	35% A level
A level	Paper 2 (Exam)	Paper 2 (Includes topics From 5– 8, including relevant practical skills) 5. Energy transfers in and between organisms 6. Organisms respond to changes in their internal and external environments 7. Genetics, populations, evolution and ecosystems 8. The control of gene expression	35% A level
A Level	Paper 3 (Exam)	Paper 3 (Includes topics From 5– 8, including relevant practical skills)	30% A level

		<ol style="list-style-type: none"> <li>1. Biological molecules</li> <li>2. Cells</li> <li>3. Organisms exchange substances with their environment</li> <li>4. Genetic information, variation and relationships between organisms</li> <li>5. Energy transfers in and between organisms</li> <li>6. Organisms respond to changes in their internal and external environments</li> <li>7. Genetics, populations, evolution and ecosystems</li> <li>8. The control of gene expression</li> </ol>	
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### WHICH SKILLS WILL YOU ACQUIRE?

- Knowledge and understanding of relevant theories, explanations and studies
- How to collect data and evaluate it
- How to investigate facts and use deduction
- How to put over your point of view effectively
- How to take responsibility for your own learning.

### WHICH CAREER PATHWAYS EXIST AFTER STUDYING THIS SUBJECT?

- Medicine
- Dentistry
- Veterinary science
- Physiotherapy
- Pharmacy
- Optometry
- Nursing
- Zoology
- Marine biology
- Forensic science.

### WHICH SUBJECTS COMPLEMENT THIS COURSE?

Chemistry, Physics, Mathematics, Psychology, Sociology, Geography, English