

A Level SCIENCE: BIOLOGY

Specification: AQA Biology 7402

What will I study?

- Biological molecules
- Cells
- Organisms exchange substances with their environment
- Genetic information, variation and relationships between organisms
- Energy transfers in and between organisms
- Organisms respond to changes in their internal and external environments
- Genetics, populations, evolution and ecosystems
- The control of gene expression

How will I be assessed?

Paper 1

- Content from topics 1-4, including relevant practical skills:
- 2 hours - 91 marks
- 76 marks: a mixture of short and long answer questions
- 15 marks: extended response questions:
- 35% of A Level

Paper 2

- Content from topics 5 - 8 above, including relevant practical skills
- 2 hours - 91 marks
- 76 marks: a mixture of short and long answer questions
- 15 marks: comprehension question
- 35% of A Level

Paper 3

- Content from topics 1-8, including relevant practical skills
- 2 hours - 78 marks
- 38 marks: structured questions, including practical techniques

- 15 marks: critical analysis of given experimental data
- 25 marks: one essay from a choice of two titles
- 30% of A Level

Students will also receive a pass or fail for practical skills which will be assessed following 12 Required Practicals that students complete in lessons.

How will I learn?

- Class discussions and presentations
- Research and independent learning
- A range of practical work in lessons
- Analysis of data
- Answering challenging questions

What skills will I need?

- An interest in the subject, beyond what is taught at school
- Excellent independent learning and organisational skills
- Good maths skills, including calculating percentage and interpreting graphs
- Excellent language skills, including using technical vocabulary and giving clear, concise explanations
- Self-motivation

Careers & Progression

A Level Biology will prepare you for a wide range of courses, both at university and in the workplace. It is an excellent grounding for careers in Biomedical Sciences, Forensic Sciences, Environmental Sciences, Marine Biology, Biophysics, Medicine, Nursing, Dentistry, Veterinary Science, Physiotherapy, Pharmacy, Education and many more.