

A Level

Specification: AQA Biology 7402

SCIENCE: BIOLOGY

Contact:

JMS: Dr A Stanger

FZ: Ms C Forder

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

Any content from topics 1-4, including relevant practical skills

Written exam: 2 hours - 91 marks

76 marks: a mixture of short and long answer questions

15 marks: extended response questions 35% of A-level

Paper2

As above, except assessment cover topics 5-8

Paper3

Any content from topics 1-8, including relevant practical skills

Written Exam

- 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

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 good grade in A level Biology will prepare students 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.