



Biology



Course Outline

Biology is a linear qualification and so is examined at the end of year two. There are three exams that cover the following topics:

- Biological molecules
- Cells
- Exchange of substances with the environment
- Genetic information, variation and relationships between organisms
- Energy transfers in and between organisms
- Responses to change in internal and external environments
- Genetics, populations, evolution and ecosystems
- The control of gene expression

Exam Board

AQA.

Skills Required

Successful students will have a passion for the subject and an interest in all areas of Biology. Students must be self-motivated and willing to read around the subject outside of lessons (essential for the synoptic essay in the exams). They will possess excellent practical skills and are able to work in a logical, careful manner showing attention to detail. Students need an excellent memory as Biology requires detailed recall of numerous processes and biochemical pathways, as well as facts, figures and definitions. Confidence in maths is essential as mathematical skills are embedded throughout the course, including the use and interpretation of statistics. Literacy skills are highly important as the exams contain extended response questions as well as an essay.

Entry Requirement

- GCSE Science at grade 6/6 or GCSE Biology at grade 6 or above.
- In addition to this, students are required to have GCSE Maths at grade 5 or above.



Future opportunities

Biology is the science of life. Studying this fascinating subject will give students a unique insight into the world around them and will provide a passport to a range of careers and opportunities for further study at University or College. The study of any science at A-Level will provide grounding in scientific method, logical thinking and problem solving – essential tools in the workplace. A-Level Biology is important for a whole range of careers in medicine, food service, biotechnology and health.

