

BIOLOGY

Exam Board: AQA

FULSTON MANOR SCHOOL



WHY TAKE THIS COURSE?

This specification is designed to encourage candidates to:

- Gain hands-on practical skills and data analysis skills.
- Appreciate how science works and its relevance beyond the laboratory.
- Develop an enthusiasm for biology.
- Consider careers in the medical/health profession, forensic and police work, and environmental work.
- Study a variety of complex biological processes and structures that make up living things.

AIMS OF THE COURSE

- To develop essential knowledge and understanding of different areas of biology and how they relate to each other.
- To develop competence and confidence in practical, mathematical and problem solving skills.
- To develop their interest in and enthusiasm for the subject, including further study and careers.
- To understand how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society.

COURSE STRUCTURE AND CONTENT

Module 1: Biological molecules

Module 2: Cells

Module 3: Organisms exchange substances with their internal and external environment

Module 4: Genetic information, variation and ecosystems

Module 5: Energy transfers in and between organisms

Module 6: Organisms respond to changes in their environment

Module 7: Genetics, populations, evolution and relationships between organisms

Module 8: The control of gene expression

ASSESSMENT

Paper 1: Biological processes (Modules 1-4)

Paper 2: Biological diversity (Modules 5-8)

Paper 3: Unified Biology (Modules 1-8)

There is no coursework element to the course. Students complete a Practical Endorsement, which is graded as Pass or Fail but does not contribute to the final grade given.

ENTRY REQUIREMENTS

To be accepted on A Level course a student should have at least 5 GCSEs at grades 9 - 4 (or equivalent). Students would be expected to have a GCSE of at least a grade 5-5 in either GCSE Combined Science or grade 5 in GCSE Triple Biology. A GCSE grade 4 in English and Mathematics is normally required.