

Biology

Miss F Gregory

AQA 7402



Entry Requirements

Grade 6 in GCSE Biology or Grade 6-6 in GCSE Combined Science.
Grade 6 in GCSE Maths.

Course Aims

Biology is ever-present in the news, from the impacts of microplastics on ocean biodiversity to the advancements in genome sequencing for medical treatments. If you are curious, resilient, and able to connect classroom learning to real-world issues, A-Level Biology is ideal for you.

Practical work is central to this course, featuring dissections and hands-on equipment use, such as colorimeters. Building on skills from GCSE, you will hone your abilities in analysis and evaluation. While practicals do not contribute directly to the final grade, exam questions will encompass a variety of practical activities integrated into daily teaching. This approach provides valuable opportunities to deepen your theoretical and practical understanding, bridging classroom theory with real-life application.

Course Outline

In Year 12 you will study 4 topics:

1. Biological Molecules
2. Cells
3. Organisms exchange substances with their Environment
4. Genetic information, variation and relationships between organisms

In Year 13 you will study a further 4 topics:

5. Energy transfers in and between organisms
6. Organisms respond to changes in their internal and external environment
7. Genetics, populations, evolution and ecosystems
8. The Control of gene expression

Resources

Students are required to purchase textbooks. A range of other textbooks, revision guides and workbooks are available to view in the department. Students must own a scientific calculator.