



A Level Biology

KS5 Leader: Mrs V Lumley • Exam Board: OCR

Course Entry Requirements:

GCSE Grade 5 in Mathematics and GCSE Grade 55 in Combined Science/GCSE Grade 5 in Biology.
Recommended for students who have taken the higher tier paper.

Course Outline:

Biology as a subject has great relevance to us all; it investigates many aspects that have direct bearing in our daily lives, topics such as human physiology, health and disease, inheritance, and environmental issues. Indeed biological research is breaking new ground at an ever increasing pace, particularly in the fields of genetic engineering and biotechnology, making Biology more exciting than ever and opening new opportunities for careers in these and other related areas.

Modules:

1. Development of practical skills
2. Foundations in Biology
3. Exchange and transport
4. Biodiversity, evolution and disease
5. Communications, homeostasis and energy
6. Genetics, evolution and ecosystems

There are three papers taken for A Level in the summer of 2019:

- Biological Processes
- Biological Diversity
- Unified Biology

Practical skills will be examined within the written papers and by the successful completion of practical's that cover a range of skills. This practical endorsement is recorded separately, as a pass or fail.

Learning strategies :

- Decision making, role plays and data analysis.
- Laboratory work and fieldwork.
- Homework including examination questions and research.
- Self-study using school resources.
- Presentation assignments (individual and group) including use of ICT.
- Actively engaged in enquiry into problems, issues and questions.
- Group discussions.
- Out of School visits and lectures.
- Self-Study: Throughout the two years students; are expected to carry out self-study activities during study periods to support their studies. This is vital to success in Biology.