

Course Overview:

The A level Biology course covers a broad range of content from human biology to plant biology. This ensures students have an understanding of the different biological processes in life and the application of this to everyday life. The extensive course has enabled students to pursue a range of careers in areas of microbiology and biomedical sciences. Students will develop practical skills through regular practical activities and work towards obtaining a practical endorsement alongside their A level, which is becoming a requirement from universities to study sciences.

The topics that we study are:

- 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 change in their internal and external environments
- Genetics, populations, evolution and ecosystems
- The control of gene expression

AQA A level Biology builds upon knowledge from GCSE Biology and Combined Science. The course includes a high level of mathematical demand, so students should be confident in maths and often find that A Level Biology and A Level Maths complement each other well.

Works well with:

- Other Sciences
- Mathematics
- Further Mathematics
- Health and Social Care

Progression Opportunities:

Possible career choices that require A-level biology include: biological testing, biotechnology, independent research, food industry jobs, nutrition, medicine, doctor, nurse, veterinarian, zoologist, zookeeper, animal care, veterinary nurse, scientist, amongst a huge range of others. In fact, having an A-level in biology will put you in great stead for a huge range of careers, as it is a great qualification to have.