



A Level Biology

Entry Requirements

GCSE grade required: Grade 7 in GCSE Biology or Combined Science and Grade 6 in GCSE Maths

Exam Board

AQA

Course Content

A Level Biology 7402

- 1. Biological Molecules**
Biological molecules
Nucleic acids
- 2. Cells**
Cell structure
Transport across membranes
Cell recognition and the immune system
- 3. Organisms exchange substances with their environment**
Exchange
Mass transport
- 4. Genetic information, variation and relationships between organisms**
DNA, genes and protein synthesis
Genetic diversity
Biodiversity
- 5. Energy transfers in and between organisms**
Photosynthesis
Respiration
Energy and ecosystems
- 6. Organisms respond to changes in their internal and external environments**
Response to stimuli
Nervous coordination and muscles
Homeostasis
- 7. Genetics, populations, evolution and ecosystems**
Inherited change
Population and evolution
Populations in ecosystems
- 8. The control of gene expression**
Gene expression
Recombinant DNA technology

The Practical Endorsement assesses the practical skills gained during the two years of study. Please note that as part of the Practical Endorsement there is a requirement for fieldwork. This takes place as a residential trip during the A Level course and will be at an additional cost.

Future Pathways

An A Level in Biology will enable you to access a future in medicine, dentistry, nursing, forensic science, psychology, physiotherapy, botany, environmental science, zoology, geology, oceanology, pharmaceuticals, energy, teaching, science writing, genetics and research.

In addition, a study of Biology will open up careers that require skills in problem solving, numeracy, communication, teamwork and practical ability.

