

Biology Course Content



We currently follow AQA at GCSE and OCR at A level. The courses are broad, balanced and include a diverse range of practical lessons. At each Key Stage topics will include both plant and animal biology. There will be opportunity to develop the concepts and skills relevant to a wide range of career choices. There is no coursework in Biology at either KS4 or 5, however students will complete a series of experiments to target core practical skills.

Key Stage 3

Year 9

- Adaptation
- Biodiversity

Key Stage 4: GCSE

Year 10

- Cell structure and transport
- Cell division
- Tissues and the digestive system
- Organisation and transport in animals and plants
- Non-communicable diseases
- Communicable diseases
- Preventing and treating disease
- Photosynthesis

Year 11

- Respiration
- The nervous system
- Hormonal coordination
- Homeostasis
- Reproduction
- Variation and evolution
- Genetics and evolution

A Level

Year 12

- Biological molecules
- Nucleic acids
- Cell structure
- Biological membranes
- Cell division, diversity and organisation
- Enzymes
- Exchange surfaces
- Transport in animals
- Transport in plants
- Disease and the immune system
- Biodiversity
- Classification and evolution

Year 13

- Homeostasis and excretion
- Hormones
- Plant responses
- Nerves and coordination
- Genomes
- Cloning and biotechnology
- Photosynthesis
- Respiration
- Cellular control
- Inheritance
- Ecosystems
- Populations and sustainability