



Biology

Is this course for me?

This course will appeal to those students who:

- Are willing to think around problems
- Have an interest in all of the science subjects
- Enjoy the challenge of using scientific knowledge in new situations
- Enjoy and carry out practical science.

Units of Study

Developments of Practical Skills in Biology

Assessed as a practical endorsement and in the examination paper

Foundations in Biology

Cell Structure, Biological Molecules, Nucleotides and Nucleic Acids, Enzymes, Biological Membranes and Cell Division, diversity and organisation.

Exchange and Transport

Exchange surfaces and transport in animals and plants

Biodiversity, Evolution and Disease

Communicable diseases and the immune system, Biodiversity and Classification and Evolution

Communications, Homeostasis and Energy

Excretion, neuronal and hormonal communication, plant and animal responses, Photosynthesis and Respiration

Genetics, Evolution and Ecosystems

Cellular control, patterns of inheritance, Manipulating genomes, Cloning and biotechnology, Ecosystems and Populations and sustainability

Entry Requirements

Grade 6-6 or above in GCSE Combined Science, or grade 6 or above in GCSE Chemistry.

Grade 6 in GCSE Mathematics is also required.

What will this course prepare me for?

Students with AS or A level Biology have an extremely valuable qualification that can form the basis for any degree in a scientific discipline. Biology combines well with Chemistry, Physics, and Maths as an excellent basis for a degree in any of the Biomedical Sciences-related courses. It is also a good subject for Medicine and Nursing, Sports Studies, Marine Biology, Psychology and Physiotherapy.