

A – Level Biology

A-Level Biology Overview:

Biology is the study of life itself. When you chose to study A-Level Biology you will study everything from the structure of cells, to the human body and the greater environment around us. Biology studies everything related to living organisms and their living functions, from humans to bacteria and microscopic creatures, including animals, insects, and all types of plants of all kinds. The study of biology at the present time is linked to many other scientific fields, which biologists desperately need when studying their field, and these sciences include physics, chemistry, and medicine, all of which play a fundamental role in explaining the organic functions of living organisms. Studying A level Biology will develop students' practical skills, their mathematical skills, research and investigative skills as well as their ability to solve problems.

Topics Studied

- Cells and microscopes
- Biological molecules, membranes and DNA
- Transport in animals and plants
- Communicable diseases
- Classification and Evolution
- Respiration
- Genetics
- Ecosystems and populations
- Biotechnology
- Excretion
- Photosynthesis
- The Nervous and Endocrine systems



“It is not the strongest of the species that survives, nor the most intelligent that survives. It is the one that is most adaptable to change” – Charles Darwin.

Assessment:

- Paper 1 – Biological Processes – 100 marks – 2hrs 15 mins
- Paper 2 – Biological Diversity – 100 marks – 2hrs 15 mins
- Paper 3 – Unified Biology – 70 marks – 1hr 30 mins
- Practical Endorsement: 12 Assessed practicals. The skills are tested in exams.
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Entry Requirements:

Grade 6 in Combined Science or
Grade 6 in Biology (Separate Science)
and Grade 6 in Maths

Specification

[OCR A-Level Biology A](#)



Progression and Career Opportunities:

Studying A-Level Biology enables you to study many courses at University including – Medicine, Biochemistry, Veterinary Science, Nursing, Midwifery, Sports Science and Dentistry. It is also valued for access onto Nursing, Pharmaceutical, Dental Technician, Food Science and Environmental Science apprenticeships.