

Biology A Level

“I think the biggest innovations of the twenty-first century will be the intersection of biology and technology.” Steve Jobs

Biology has and will continue to play an important part in the world, for example the groundbreaking speed at which pharmaceutical companies developed the COVID 19 vaccine, the possibility of 3D printing organs using 3D printers and stem cells and the research into cancer cures. By taking biology at A level you will deepen your understanding the living world, also build up skills in research, problem solving, organisation and analytical skills.

Course outline:

We follow the OCR Biology A specification, which is divided into topics, each covering different key concepts of biology. The practical skills are integrated into the theoretical topics and are assessed through the written papers.

Module 1 – Development of practical skills in biology

Module 2 – Cells, chemicals for life, transport and gas exchange

Module 3 – Cell division, development and disease control

Module 4 – Energy, reproduction and populations

Module 5 – Genetics, control and homeostasis

How you will be assessed

Paper 1: Fundamentals of biology 110 marks 2 hour 15 minutes written paper (41% of total)

Paper 2: Scientific literacy in biology (02) 100 marks 2 hour 15 minutes written paper (37% of total)

Paper 3: Practical skills in biology 60 marks 1 hour 30 minutes written paper (22% of total)

Non-Examined Assessment: Practical Endorsement in biology (reported separately)

Entry requirements

Grade 6 in biology plus a grade 6 in another science subject

OR

Grade 6 in Trilogy Higher Combined Science

Where could the course take you:

Veterinary science,

medicine,

optometry

psychology,

nursing,

dentistry,

pharmacy,

physiotherapy,

sports science,

microbiology,

forensic science,

biophysics,

genetics,

neuroscience,

botany,

zoology,

ecology and biology.