

A Level Biology

The Course

Biology is the study of life, from the single cell to the evolution and distribution of all living organisms – including you.

You will begin to appreciate how the body works at a cellular level and how it copes with pressures like exams or disease. You will discover how plants and animals respond to and interact with their surroundings, examining the effects of environmental change such as deforestation. Also, how the climate influences biodiversity and ecosystems around the world, and indeed what this means for all life on earth.

You will also need to consider ethical issues raised by advancements in science such as gene therapy and genetic engineering.

The Content

Most lessons will be covering new ground with as many as possible reinforcing ideas or carrying out practical tasks in preparation for endorsed practical work. There are a wide range of topics, several of which explore the working of the human (and mammalian) body, including health and disease, with some plant biology, genetics and gene technology, biotechnology, ecology and biodiversity. The last two are partly studied by completing field work.

Assessment

100% examined. There is no coursework.

Subject entry requirements

GCSE Combined Science grade 6 - 6 or above or GCSE Biology grade 6 or above, plus GCSE Maths grade 5 or above.

Pathways/Careers

Students go on to successfully study or work in many fields, including:

Biology	Medicine	Biomedical	Veterinary
Husbandry	Nursing	Sports Science	Environmental
Science	Pharmacy	Zoology	Botany
Food and Nutrition	Agriculture	Marine Biology	Dentistry