



Biology

Biology involves the study of a wide range of exciting topics, ranging from molecular biology to the study of ecosystems and from microorganisms to mammoths. Biology is never far from the headlines either...

The human genome has been sequenced and we know the complete arrangement of the three thousand million bases that make up human DNA. In Kenya, 350 people die every day from AIDS and in South East Asia the skies are dark with smoke as the last Bornean rainforests are burned to grow oil palms.

Biologists are concerned with all these issues. They work in fields of cell biology, medicine, food production and ecology... and the work they do is vital to all of us.

Students who take biology often also study a wide range of subjects including psychology, sociology, PE, chemistry, physics, health and social care and environmental studies.

A Level Year 1: Year 12

- Biological molecules
- Cells
- Organisms exchange with their environment
- Genetic information, variation and relationships between organisms

A Level Year 2: Year 13

- Energy transfers in and between organisms
- Organisms respond to changes in their environments
- Genetics, populations, evolution and ecosystems.
- The control of gene expression

Assessed by AQA 3x2 hour papers

Opportunities

Biology is a great choice of subject for people who want a career in health and clinical professions, such as medicine, dentistry, veterinary science, physiotherapy, pharmacy, optometry, nursing, zoology, marine biology or forensic science.

