



Entry Requirements

GCSE Math's at grade 6 or above.
 Combined Science GCSE or Biology GCSE at grade 6 or above.
 English Language or Literature at grade 5 or above.

Biology

Course Leader

Katie Longstaff

Assessment

Written examinations
 Practical skills assessment

What interests should I have if I want to follow this course?

- Do you want to learn more about how the human body works or find out how our DNA makes each of us unique?
- Are you keen to discover more about everyday substances at a molecular level?
- Do you want to discuss the moral and ethical issues involved in new scientific technology and developments?
- Do you want to save the planet or an endangered species?

This is the subject for you if you have a genuine interest in the way living organisms work and how they interact with their environment. The course develops essential biological knowledge and an understanding of key biological concepts. A level Biology is valued by universities and employers alike, and opens many doors to wide and varied career choices including medicine, dentistry and physiotherapy.

YEAR 12

- Biological molecules
- Cell structure and division
- The immune system
- Exchange and transport systems
- DNA, RNA and protein synthesis
- Diversity, classification and variation
- Populations in ecosystems

YEAR 13

- Photosynthesis and respiration
- Energy transfer and nutrient cycles
- Stimuli and response
- Nervous coordination
- Genetics, populations and evolution
- Mutations and gene expression
- Genome projects and gene expression

Future Pathways

Biology is a desirable qualification for many of the “caring” professions such as nursing, physiotherapy, and speech therapy. It is also one of the A levels which is acceptable for medicine, dentistry and veterinary medicine. This is an interesting and stimulating science A level to study and one which is directly relevant to everyday life.