



## Biology



### Overview

This course requires students to develop practical and theoretical knowledge and understanding of:

As

- Practical skills in biology
- Exchange and transport in animals and plants
- Cell structure
- Biological Molecules, enzymes and DNA
- Health and Disease
- Evolution and classification
- Biodiversity and Sampling

A2 (all of AS content plus the following)

- Respiration and photosynthesis
- Plant and animal responses
- The Nervous and Endocrine Systems
- Genetics and DNA technology
- Excretion
- Populations and ecosystems
- Biotechnology

### Assessment

AS	<ul style="list-style-type: none"> <li>• Breadth in Biology (1hr 30 mins)</li> <li>• Depth in Biology (1hr 30 mins)</li> </ul>
A2	<ul style="list-style-type: none"> <li>• Biological Processes (2hrs 15 mins)</li> <li>• Biological Diversity (2hrs 15 mins)</li> <li>• Unified Biology (1hr 30 mins)</li> </ul>
Practical endorsement – assessed over 12 practicals over 2 years. This does not contribute towards your grade but a pass is required by many Universities for science related courses.	

### Requirements

Grade 66 in Combined Science

Grade 666 in Separate Sciences

Grade 6 in Maths and English

Preferably grade 7s

### Exam Board



<https://www.ocr.org.uk/images/171736-specification-accredited-a-level-gce-biology-a-4420.pdf>

### Progression and Career Opportunities

Sports science, Forensic science, Horticulture and gardening, Medicine, Veterinary science, Zoologist and conservation, Marine biology, Nursing and midwifery, Research scientist, Pharmacologist, Biologist, Ecologist

Biology is a facilitating subject- which means it is highly regarded by the top Universities.

*“I have really enjoyed studying biology at A level. It has opened my eyes to how the human body works, the environment around us and new and developing technologies. I have now gone on to study biology at university and look forward to a career in this area. ”*