

# Biology



## What our students say:

“The depth of the course and the studies of the human body were really rewarding, but as someone interested in a career in forensic science, this topic was particularly fascinating.”

## Why this course is right for you:

Biology is about examining fundamental questions about the natural world and everything within it, including investigating how the human body works. If you are interested in how living beings function and came to be as they are, you should study biology.

Through learning about biological principles, you will appreciate how biologists approach problems and provide solutions with efficacy. A Level biology will develop the essential skills of investigating a problem with the aim of generating evidence from which valid conclusions can be drawn.

If you're interested in further study in genetics, medicine, nursing, environmental sciences, forensic science, zoology, veterinary science or ecology, biology is right for you.

## What you need to know:

**Exam Board: Edexcel Biology (Salters Nuffield)**

**Who to speak to: Ms Ivey**

### Topics Covered:

**Topic 1** - What causes cardiovascular disease?

**Topic 2** - What causes cystic fibrosis?

**Topic 3** - How do you get a fertilised egg to a whole organism?

**Topic 4** - How does the rainforest depend on the fig tree?

**Topic 5** - Why are polar bears endangered?

**Topic 6** - How is biology used to solve crimes?

**Topic 7** - How does biology make you a good athlete?

**Topic 8** - How does your brain work?

### Assessment:

100% written examination in year 13

### Year 1:

**Paper 1** - Lifestyle, Transport, Genes and Health (50%)

**Paper 2** - Development, Plants and the Environment (50%)

### Year 2:

**Paper 1** - The Natural Environment and Species

**Paper 2** - Energy, Exercise and Communication

**Paper 3** - General and Practical Applications in Biology

### Entry Requirements:

Grade 6 in GCSE Biology or grade 6, 6 in Combined Science required

Grade 7 in GCSE Biology or grades 7, 7 in Combined Science desirable

Grade 5+ in GCSE Maths desirable

### Co-curricular/trips:

Biological fieldwork trips to We The Curious, Clevedon and Blean.