

# COURSE OUTLINE

## BIOLOGY - A LEVEL



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Through learning about biological principles and processes, 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.

### DETAILS ABOUT THE COURSE

#### 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?

#### Co-curricular/trips:

Biological fieldwork trips to @Bristol, Clevedon, Brean and Bristol Zoo.

#### Future prospects:

Genetics, teaching medicine, nursing, environmental sciences, forensic science, zoology, veterinary science, ecology.

#### You might also take...

Chemistry, physics, maths, PE, psychology, geography.

### KEY INFORMATION

#### Prior attainment:

- Five grades at 9-4
- Grade 6 in GCSE biology or grades 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

#### Assessment:

##### 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 Survival
- Paper 2** - Energy Exercise and Communication
- Paper 3** - General and Practical Applications in biology

**100% written examination for all papers**