

# A LEVEL BIOLOGY

**Exam Board:** AQA

**Syllabus Code:** 7402

## Entry Requirement

Boys wishing to study A Level Biology should have achieved at least a grade 7 in IGCSE Biology or grades 87 in IGCSE Science (Double Award).

## Introduction

The A Level Paper 1 assesses the content from Modules 1-4, Paper 2 assesses the content from Modules 5-8 and Paper 3 assesses the content from Modules 1 to 8 and includes a 25 mark essay. All three papers assess relevant practical skills. There is no coursework; practical skills are assessed via the Endorsed

Practicals, which are pass / fail and contribute no marks to the exam total.

There are 8 periods per week of Biology during the Lower Sixth year and 9 periods per week during the Upper Sixth, providing a very rigorous preparation for any Biology related degree course at university. The Field Trip at the start of year 2 is compulsory for all U6 A level students.

Ideally, A Level Chemistry should be taken in tandem with Biology for those embarking on a Biology related career. Physics, Mathematics, Further Mathematics and Geography also make excellent additional subjects. Most universities expect Medical and Veterinary Science students to have studied Biology and Chemistry with Mathematics and / or Physics, with high A grades (A\*AA minimum) expected at A Level and usually more than 6 GCSE/IGCSEs at grade 8/A\* (for students educated in the UK) with the remainder at 7/A grade or higher.

## Syllabus Content

<b>Module 1:</b> Biological molecules
<b>Module 2:</b> Cells
<b>Module 3:</b> Organisms exchange substances with their environment
<b>Module 4:</b> Genetic information, variation and relationships between organisms

<b>Module 5:</b> Energy transfers in and between organisms
<b>Module 6:</b> Organisms respond to changes in their internal and external environments
<b>Module 7:</b> Genetics, populations, evolution and ecosystems
<b>Module 8:</b> The control of gene expression