

# Biology

Exam Board: AQA



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## Course Summary

In A Level Biology you will study how our bodies function at a molecular level and how diseases stop them working. The course develops an appreciation for the fragility of life on Earth, the implications of developments in areas such as Genetic Engineering and the wider effects of climate change on biological systems, including our own quality of life.

An important outcome of studying A Level Biology is the skills that students acquire to think logically, be critically analytical and work collaboratively. As part of the course all Year 12 students take part in the Biology field trip, spending a week at Aberystwyth University, with the focus on deepening students' understanding of our natural world and appreciation of how we can preserve habitats. The trip also allows students to apply inferential statistics to real life situations, developing their mathematical skills.

## Entry Requirements

A Grade 6 in GCSE Biology or a 6-5 in GCSE Combined Science is required. A Grade 6 in GCSE Mathematics is also required; where students have a Grade 5 in GCSE Mathematics they will be required to complete the additional Core Maths qualification alongside their A Level choices.



## Course Assessment

This is a linear course. This means that students opting for this subject will be committing to a two-year linear course, with all units examined at the end of Year 13.



## Where might it lead?

A Level Biology can help open doors to an exciting range of careers and further education in human and veterinary medicine, as well as other medical related careers such as dentistry, optometry, physiotherapy, the pharmaceutical sciences, forensic science, biomedical and biological sciences, and environmental health and food sciences.

Lessons combine practical and theory elements. The emphasis is on theory, but our knowledge is reinforced with role-play or practical work. All students have a topic workbook designed by the science department to reduce the amount of note taking and to enable us to focus on applying our learning. The course is very interactive and engaging. SASI

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