

# Biology

## A - Level AQA

### General Course Information

Can your own body combat cancer? Can your bad diet affect the genes of your future offspring? How do drugs cause hallucinations? In A-level Biology we ask questions of what we find around us, we look at why and how organisms survive on our planet. Then use this knowledge to plan for a future where we can understand and cure disease, produce food sustainably and protect our planet for future generations.

### How is the course assessed?

We follow the AQA Biology (7402) syllabus: details can be found on the AQA website [www.aqa.org.uk](http://www.aqa.org.uk).

The content is as follows:

#### Year 12

1. Biological Molecules
2. Cells
3. Organisms And Their Environment
4. Genetic Variation & Relationships

#### Year 13

5. Energy Transfer Between Organisms
6. Response
7. Genetics and Evolution
8. Gene Expression

The full A-level qualification has three terminal examinations which will cover the content of the whole two-year course and assess the twelve required practical's. In order to progress to A-level Biology, you must achieve a grade 6-6 or higher in GCSE Combined Science: Trilogy (Double).

Practical assessment will be covered by maintaining a lab book of twelve required experimental tasks. A complete lab book is a requirement of passing the practical skills assessment. The theory of practical skills and data analysis is assessed within the examinations.

### Who's it for?

What do I need to start a Biology A-level course?

- Enthusiasm!
- At least 5 GCSE's grade 4 or higher, including English Language at Grade 5 and Mathematics at a Grade 6.
- Grade 6-6 or higher in GCSE Combined Science: Trilogy (Double)
- Grade 6 or higher in Biology GCSE and 6-6 in the other two sciences

There is overlap between Biology and the other sciences, especially Chemistry. There are also obvious links with Mathematics, and it is strongly advised students take this course or level 3 core maths in addition to their Biology studies. However, none of these are mandatory for a study of Biology, we will be happy for students to take Biology out of pure interest, yet this could limit progress in some areas of the course.

### Progression

Biology A-level is one of the most well-respected qualifications available and will help provide you with transferable skills to support you in almost all career choices.

Biology is usually required for University courses in;

- Medicine
- Dentistry
- Veterinary Science
- Optometry
- Pharmacy
- Biochemistry

