



# A Level Biology



## Examination Board:

AQA Biology 7402

## Assessment:

The subject is assessed through three final exams taken at the end of two years of study.

## Why Study Biology?

Biology is an ever-developing subject that encompasses everything from the molecular study of life right up to the study of animal and plant communities. With the sector being so broad, the need for skilled biologists is ever present. Depending on individual interests, biology careers range from the study of living organisms, such as animals, plants, humans or even bacteria, to helping to develop biological knowledge and understanding of living processes for a number of different purposes, including treatment of disease and sustaining the natural environment.

If you are interested in learning more about yourself, the world you live in and the other organisms you share the world with, then you should enjoy studying biology.

## Your Future Pathways

A-Level Biology is essential for studying the following at university: biology, medicine, veterinary science, dentistry, physiotherapy, psychology, biochemistry and pharmacy, agricultural science, plant and animal sciences, genetics, environmental science. Studying Biology will also give you skills which are applicable to other subjects and careers, such as problem-solving skills and the ability to collect and analyse data and trends.

# What Will I Study?

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## **Year 12:**

- Biological Molecules
- Cells & Immunity
- Exchange & Transport
- Genetics & Diversity

## **Year 13:**

- Energy Transfers in Organisms
- Homeostasis & Response
- Ecosystems, Evolution & Population Genetics
- Controlling Gene Expression

Our A-level in biology programme will give you practical experience of this diverse and exciting sector. The focus is on key concepts in biology, including topics on modern genetics, cells, viruses and reproduction of living things, biological molecules and ecosystems. This programme encourages creative thinking and problem solving skills, you will also learn how to collect and analyse data, all of which are valuable, transferable skills.