

# CAREERS

INFORMATION AND GUIDANCE

**BIOLOGY**








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@ St Hilda's

# WHAT SKILLS WILL I LEARN IN THIS SUBJECT?

With A Level Biology, you'll develop a powerful mix of scientific, analytical, and transferable skills that prepare you for university and a wide range of careers.

Here's a breakdown of the key skills you'll gain:

-  Core Scientific Skills: **Experimentation** (design, collect data, and draw conclusions), **scientific reasoning** (understand and explain biological processes logically), and **data analysis** (interpret graphs, tables, and statistics).
-  Analytical & Problem-Solving Skills: **Critical thinking** (evaluate evidence and spot patterns) and **problem solving** (apply reasoning to unknown contexts).
-  Mathematical & Research Skills: **Numeracy** (biological calculations and statistical tests) and **research** (using scientific sources to support ideas).
-  Practical & Technical Skills: **Lab work** (use techniques like microscopy, dissection and aseptic technique), **recording results** (keep accurate notes and present findings clearly).
-  Transferable Skills: **Communication** (Explain ideas clearly), **teamwork** (collaborate effectively in group tasks) and **time management** (balance study, commitments, and revision).



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# WHAT CAREERS LINK TO THIS SUBJECT?

A Level Biology opens doors to careers in healthcare, research, environmental science, education, and biotechnology.

It's a versatile qualification that supports both university pathways and direct entry into science-related fields:

-  Science & Medicine: Doctor, nurse, dentist, vet, pharmacist, Biomedical scientist, geneticist, forensic expert
-  Environment & Nature: Ecologist, marine biologist, conservationist, Environmental scientist, zoologist, botanist
-  Food & Biotech: Nutritionist, food technologist, Agricultural scientist, biotechnologist
-  Education & Communication: Biology teacher, science writer, policy advisor.



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# WHERE CAN I FIND OUT MORE?

The following links and QR codes will take you to official websites

We follow the AQA A Level Biology specification and the content is examined in year 13.

- AQA A Level Biology Specification:  
<https://www.aqa.org.uk/subjects/biology/a-level/biology-7402/specification>
- AQA A Level Biology Past Exam Papers:  
<https://www.aqa.org.uk/subjects/biology/a-level/biology-7402/assessment-resources?secondaryResourceType=Question+papers%3BMark+schemes%3BExaminer+reports>
- AQA Biology Practical Handbook:  
<https://cdn.sanity.io/files/p28bar15/green/a3bc7e82b8a229719140c9938546482341aa6487.pdf>



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# WHAT HAVE OUR STUDENTS GONE ON TO STUDY?

Our past students go onto a range of further study or careers

Here are just a few examples of what our students have gone on to do next.

- |                                     |   |                      |
|-------------------------------------|---|----------------------|
| • Keele University                  | - | Medicine             |
| • University of Liverpool           | - | Biomedical Science   |
| • University of Chester             | - | Chemical Engineering |
| • University of Leeds               | - | Psychology           |
| • University of Sheffield           | - | Biomedical Science   |
| • John Moores University            | - | Geography            |
| • Degree Apprenticeship Engineering |   |                      |



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