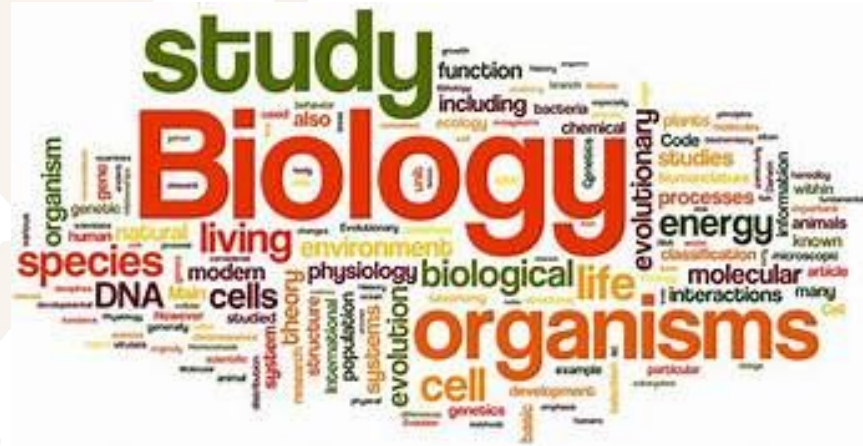




You can be anything  
you want to be  
when you grow up.

**STEM CELL PARENTAL ADVICE**

BIZARROCOMICS.COM Facebook.com/BizarroComics Dist. by King Features





# BEECHEN CLIFF

## Why Should I study Biology?

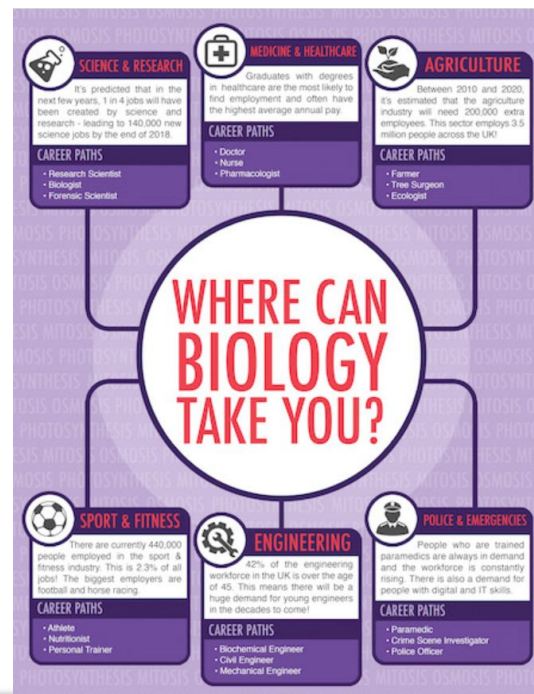
Biology involves the study of a wide range of exciting topics,

ranging from molecular biology to the study of ecosystems

and from microorganisms to mammoths.  
Biology is never far

from the headlines either...

<https://www.bbc.co.uk/programmes/p09xhq2m>





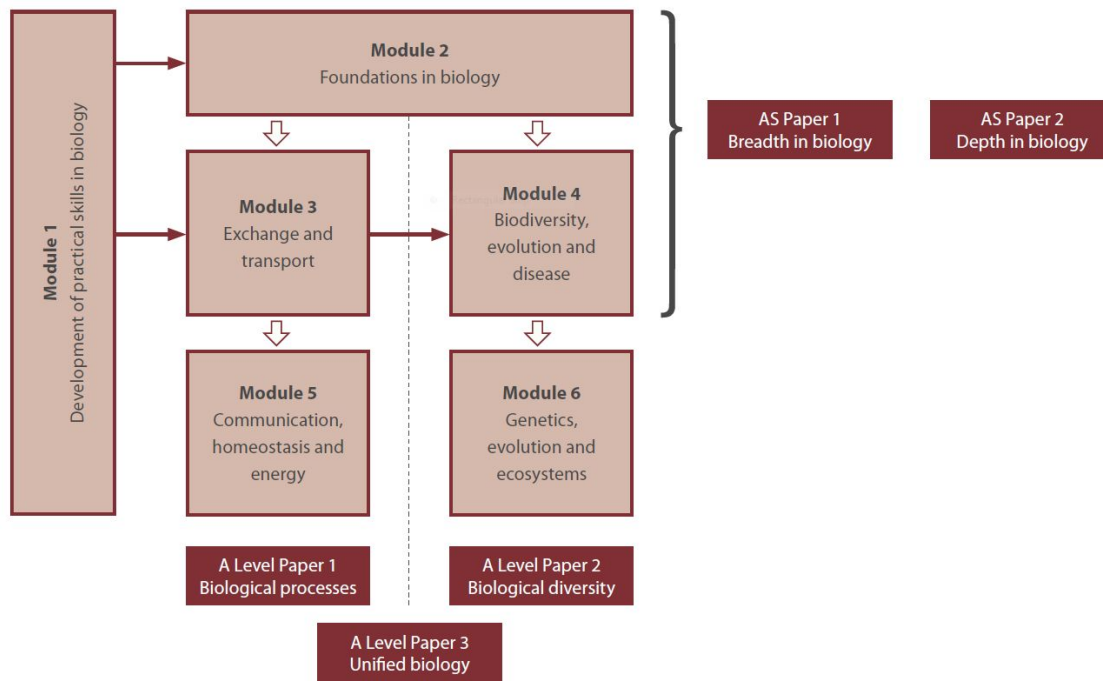
## What will I study at A level Biology ?

The course we study (OCR biology A) builds on knowledge, understanding and practice skills that you have developed during your GCSE science course. You should have gained at least a GCSE grade 6 in biology and chemistry or in combined science ,both of which provide suitable preparation for the a-level. In addition a 6 in maths is required.

Biology, with its mixture of scientific method, problem solving, practical skills and socially relevant content, provides a useful complement to arts and humanities subjects also maths and other sciences. It also enables students to develop synoptic skills, an aspect of modern education highlighted as missing by the major universities. This makes the qualification highly sought after.



# BEECHEN CLIFF





## Year 1

### Module 1 – Development of practical skills in biology

Skills of planning, implementing, analysis and evaluation.

### Module 2 – Foundations in biology

Includes:

Cell structure; Biological molecules; Nucleotides and nucleic acids; Enzymes; Biological membranes;  
Cell division, cell diversity and cellular organisation.

### Module 3 – Exchange and transport

Includes:

- Exchange surfaces
- Transport in animals
- Transport in plants.

### Module 4 – Biodiversity, evolution and disease

Includes:

- Communicable diseases, disease prevention and the immune system
- Biodiversity
- Classification and evolution.



## Year 2

● Click to add text

### Module 5 – Communication, homeostasis and energy

Includes:

- Communication and homeostasis
- Excretion as an example of homeostatic control
- Neuronal communication
- Hormonal communication
- Plant and animal responses
- Photosynthesis
- Respiration.

### Module 6 – Genetics, evolution and ecosystems

Includes:

- Cellular control
- Patterns of inheritance
- Manipulating genomes
- Cloning and biotechnology
- Ecosystems
- Populations and sustainability.



## *Employers and Universities love scientists!*

The combination of biology-specific and general skills means that biologists are versatile and competitive in the job market. Your curious and investigative mind will be of value to employers in all industry sectors, not just in science, biology students can have very successful careers in a wide range of industries.





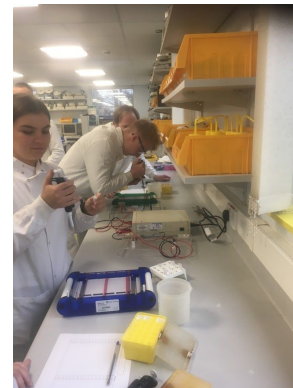




## Why Study Biology @ BCS?

Great results track record, over the years

( 2025 0.5 VA), allowing students the opportunity to take their studies further and move on to their next steps.

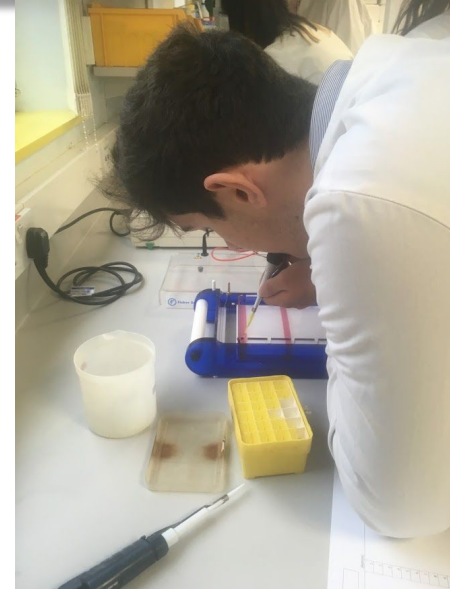




BEECHEN CLIFF

## Why Study Biology @ BCS?

University links  
Scientific journal  
club  
Super Curricular  
Lectures  
MedSoc  
Tedx



Aspiration    Compassion    Independence    Respect