

Year 9 Biology Overview

This year you are **transitioning from KS3 to KS4**. In Biology lessons you will focus on key skills that will **prepare you for GCSE study** and you will start learning towards your final GCSE exams (at the end of year 11).

During the year you will choose your GCSE options (*to start in year 10*).

For science you will be able to choose either:

Combined Sciences GCSE (TRILOGY) = 2 GCSES (Science)

- Separate lessons for each science BUT **Fewer lessons overall**
- Cover **less topic content**
- 2 exams per science (1hr 15min each exam)



Or

Separate Sciences GCSE = 3 GCSES (Biology, Chemistry and Physics)

- Separate lessons for each science BUT **More lessons overall**
- Cover **more topic content**
- 2 exams per science (1hr 45min each exam)
- *Best option for anyone thinking of continuing science to A level*

ALL of the Biology content that is taught in year 9 is common to both pathways!

For Biology you will require knowledge and understanding of the following topics;

- ***Cell structure and microscopes***
 - ***Transport into and out of cells***
 - ***Cell division and stem cells***
 - ***Cell organisation and digestive system***
 - ***Animal transport and exchange systems***
 - ***Respiration***
 - ***Photosynthesis***
 - ***Plant transport and exchange systems***
 - ***Disease***
 - ***Nervous system***
 - ***Endocrine system***
 - ***Homeostasis***
 - ***Genes and Inheritance***
 - ***Variation and evolution***
 - ***Manipulating genes***
 - ***Ecosystems***
 - ***Human impact on the environment***
- Taught in year 9
- Taught in year 10
- Taught in year 11