

# Biology KS4 Learning Journey



## Top 3 tips for parents and carers during KS4

- ✓ Buy a revision guide & scientific calculator.
- ✓ Use flashcards to test your child on recalling facts.
- ✓ Make sure you know what tier your child is sitting and make sure all 6 exam dates are recorded.



## What's your Plan A?

FE: A-Level Biology or BTEC Applied Science  
HE: Medicine, Dentistry, Marine biology, Ecologist  
Career: Conservationist, Teacher, Vet, Midwife



## Online learning during KS4

[Seneca Learning](#)  
[Free Science Lessons](#)  
[GCSE Pod](#)  
[CGP App](#)  
[Primrose Kitten](#)



## PPE preparation for KS4

Identify command words in questions and make sure you know what they mean; make sure you can convert units; name equipment accurately; plot, describe and explain a variety of graphs.



## Study skills for KS4

Create flashcards of key definitions, use questions in each chapter in revision guide to develop recall, use writing frames on Google Drive to structure answers, complete past paper questions and use mark scheme, download spec to use as a checklist.

## Knowledge, skills and understanding

**Organisation (circulatory system)**  
Structure of the circulatory system and diseases caused by lifestyle and health

Year 10

Year 10

**Organisation digestive system**  
Digestion, enzymes & metabolism

Year 10

**Infection and response**  
Diseases caused by pathogens & preventing their spread

**Homeostasis and response (nerves)**  
Nervous system & reflexes

Year 10

**Homeostasis and response (hormones)**  
Nervous system & reflexes

Year 10

**Inheritance**  
Inherited diseases, Selective breeding & Genetic engineering

**Cell biology**  
Cell division, microscopy, cell division and stem cells

Year 11

Year 11

**Classification**  
The system of naming and grouping all living organisms

**Ecology**  
Ecosystems, Food chains & Biodiversity

Year 11

Year 11