



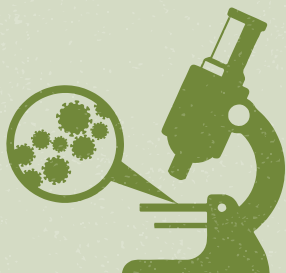
Year 9 Biology Learning Map



- TERM 1 -

Ecology

Understanding the planet we live on is an important aspect in the study of science. In this topic we look at the relationships between living organisms, including humans, and their physical environment. We also seek to understand the vital connections between plants and animals and the world around them.



LINKS TO PRIOR LEARNING

Previously at KS2/3 students will:

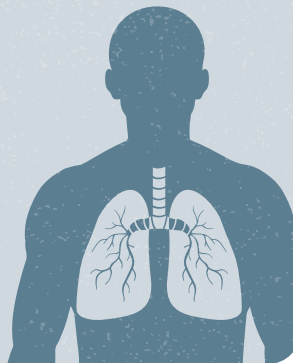
- Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.
- Learn that most living things live in habitats to which they are suited.
- Understand how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.



- TERM 2 -

Our World

In this topic we explore how carbon is cycled, and the impact humans are having on the planet. Including changes to the biodiversity of organisms, climate change and global warming.



LINKS TO PRIOR LEARNING

Previously at KS2/3, students will have learnt:

- That environments can change and that this can sometimes pose dangers to living things.



- TERM 3 -

Cells

In this topic we will build on our understanding of the structure and function of cells and microscopy techniques from year 7. We then look at how plants and animals develop from single cells the size of full stops to become complex organisms made of many different types of cells, which all need to be controlled and coordinated.



LINKS TO PRIOR LEARNING

Previously students will have learnt:

- How to use a microscope.
- Differences between cells from different organisms.
- How some cells are specialised and adapted to their functions.

