



Year 7 Biology Learning Map



- TERM 1 -

Life

This topic introduces biology by revisiting the work done about life, habitats, and food chains in KS2.

What Are We Made Of?

In this topic we begin to develop an understanding as to how 'Cells are the building blocks of life' by looking at 'typical' animal cells and their organelles using a light microscope.



LINKS TO PRIOR LEARNING

From KS2 most students will be able to:

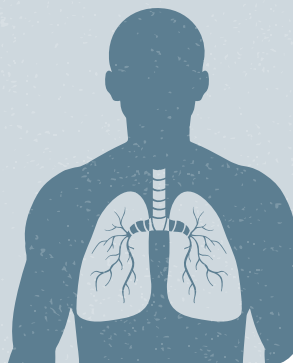
- Describe the life cycles common to a variety of animals, including humans (birth, growth, development, reproduction and death), and to a variety of plants (growth, reproduction and death).
- Identify that most living things live in habitats to which they are suited - how different habitats provide for the basic needs of different animals and plants, and how they depend on each other.
- Identify and describe the functions of different parts of flowering plants: roots, stem, leaves and flowers.
- Describe the simple functions of the basic parts of the digestive system in humans.



- TERM 2 -

You Are What You Eat

This unit's central focus for learning is the human digestive system. Students will learn about the organs involved, their function and healthy diets and nutrition. Importantly, students will explore the path that food takes through the digestive system and the impact of nutrient deficiencies.



LINKS TO PRIOR LEARNING

From KS2/previous units most students will:

- Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat.
- Describe the simple functions of the basic parts of the digestive system in humans.



- TERM 3 -

Why Do We Breathe?

In this topic we learn about the respiratory system and how the lungs help us breathe. We also look at the roles of the blood and heart in helping bringing the substances that we need to our cells.



LINKS TO PRIOR LEARNING

From KS2, most students should be able to:

- Recall how cells, tissues, organs and organ systems are related.
- Describe how some cells are adapted for certain functions.
- Recall that respiration and breathing are not the same.

