

Year 2 - Science



NC Unit: Living things and their habitats

Can living things stay healthy and live forever?

Biology

What should I already know?

- Which things are living, dead and things which have never been alive.
- The names of some common **plants** and types of **trees**.
- Some animals are suitable to be kept as pets but others are not.
- All animals need water, air and food to **survive**
- Animals can be grouped into **vertebrates** and **invertebrates**
- Animals can be grouped into **carnivores**, **herbivores** and **omnivores**
- Animals, including humans, have **offspring** which grow into adults.
- Different **vegetation** belts and **biomes** around the world.

Big Ideas this works towards:

- *The different kinds of life, animals, plants and microorganisms, have evolved over millions of generations into different forms in order to survive in the environments in which they live.*

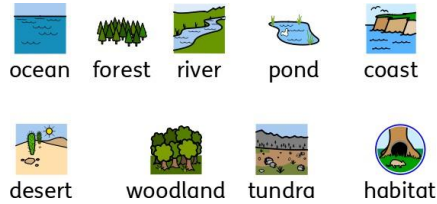
Vocabulary

biomes	a natural area of vegetation and animals
carnivore	an animal that eats meat
depend	If you depend on someone or something, you need them in order to be able to survive physically
food chain	a series of living things which are linked to each other because each thing feeds on the one next to it in the series
habitat	the natural environment in which an animal or plant normally lives or grows
herbivore	an animal that only eats plants
invertebrate	a creature that does not have a spine, for example an insect, a worm, or an octopus
microhabitat	a small part of the environment that supports a habitat, such as a fallen log in a forest
minibeast	a small invertebrate animal such as an insect or spider
offspring	a person's children or an animal's young
omnivore	person or animal eats all kinds of food, including both meat and plants
plant	a living thing that grows in the earth and has a stem, leaves, and roots
source	where something comes from
tree	a tall plant that has a hard trunk, branches, and leaves
vegetation	plants , trees and flowers
vertebrate	a creature which has a spine

What will I know by the end of the unit?

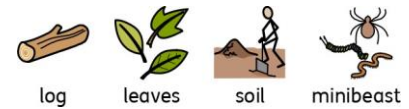
What is a **habitat**?

- A **habitat** is a place where living things, such as animals and **plants**, can find all of the things they need to **survive**. This includes food, water, air, space to move and grow and some shelter.
- Some **habitats** are large, like the ocean, and some are very small, such as under a log.
- Some **habitats** in our local area include the river and woodlands. Other habitats include the coast and the forest.



What is a **micro-habitat**?

- **Microhabitats** are very small **habitats** where **minibeasts** may live.
- Examples of **microhabitats** include under stones, in grass, under fallen leaves and in the soil.
- **Minibeasts** that can be found there include worms, snails, ants, centipedes, millipedes, and butterflies and they help to keep the **microhabitat** healthy.
- **Minibeasts** are able to **survive** in their **habitats** because they can find the things they need to **survive** there, such as food and water. For example, caterpillars can **survive** on leaves as they give them food.



How do **animals** and **plants** **depend** on each other?

- Animals and **plants** depend on each other to **survive**. For example, worms **depend** on **plants** because they feed on dead leaves, but **plants** depend on worms who make the soil healthy by digging holes and allowing air in.
- Birds also need worms because they eat them. Worms are a **source** of food for birds.
- This called a **food chain**.
- If there were no worms, there would be less birds as there would be more competition for food. The soil would not be as healthy without worms.



- All living things (or things that were once living) have a part to play in **food chains**. Without them, other animals and **plants** may not be able to survive.

