

Year 2 Science Knowledge Organiser

Autumn 1

Theme: Living things and their habitats



Key Knowledge

By the end of this unit pupils will...

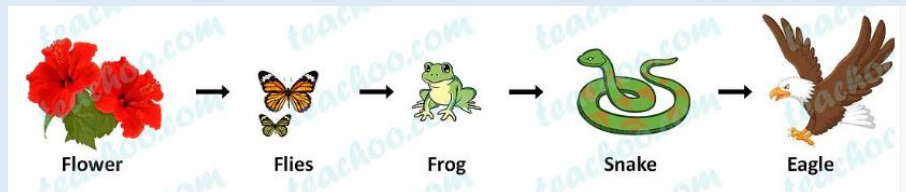
Living things and their habitats.

Life Processes

You can tell whether something is dead, living or alive by whether they carry out the 7 life processes. These processes are movement, respiration, sensitivity, nutrition, excretion, reproduce and growth. Children will remember these by acronym MRS NERG

Food chains

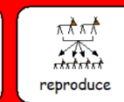
Children will know that all living things need food to survive. Food chains show how each animal gets their food. Children will know that a producer makes their food, these are eaten by a consumer, the final animal in the food chain is a predator. Children will use this knowledge and research to create a food chain.



Habitat

A habitat is a natural place animals live. We will be learning about different habitats on land such as desert, woodland and coastal areas. We will be researching why a habitat is suitable for certain animals and what food chains are available in that habitat. For example a fox lives in woodland, a fox eats a rabbit, a rabbit eats grass

Key Vocabulary



Key Vocabulary	
Movement	All living things move. Animals move from place to place and plants grow and turn towards the light.
Respiration	All living things respire. Plants and animals use oxygen in the air to turn food into energy.
Sensitivity	All living things are sensitive. Every living thing can detect change in their surroundings.
Nutrition	Food is eaten to provide energy to live.
Excretion	Waste products are removed from the body.
Reproduction	Animals have young. Plants produce seeds from which new plants grow.
Growth	Animals grow from babies to adults. Seeds grow into plants.



Key Vocabulary	
habitat	A habitat is the natural place something lives. A habitat provides living things with everything they need to survive such as food, shelter and water.
microhabitat	A microhabitat is a very small habitat in places like under a rock, under leaves or on a branch. Minibeasts live in microhabitats . The microhabitats have everything they need to survive .

Working Scientifically



- » Ask questions.
- » Recognise when identifying and classifying will help me answer my questions.
- » Use secondary sources to identify and classify things.
- » Look for similarities and make comparisons.



- » Ask questions.
- » Make careful observations.
- » Use scientific language.
- » Draw and label what you observe.
- » Use observations to suggest answers to questions.
- » Talk about and explain observations using scientific knowledge and understanding.
- » Observing over Time



- » Ask questions and find different ways to answer them.
- » Use scientific language.
- » Use equipment to make observations
- » Make careful observations.
- » Talk about findings.
- » Make simple conclusions.

Useful Links

Is it alive (BBC bitesize video) [Click here](#)

The food chain (BBC bitesize video) [Click here](#)