

Key Facts

- All objects are either living, dead or have never been alive.
- Living things are plants (including seeds) and animals.
- Dead things include dead animals and plants and parts of plants and animals that are no longer attached e.g. leaves and twigs, shells, fur, hair and feathers
- Animals and plants live in a habitat to which they are suited which means that animals have suitable features that help them move and find food and plants have suitable features that help them to grow well.
- The two main types of habitats are land habitats and water habitats. e.g. forest and sea
- All animals and plants are suited to the particular habitat in which they live.
- The habitat provides the basic needs of the animals and plants - shelter, food and water. Within a habitat there are different micro-habitats e.g. in a woodland - in the leaf litter, on the bark of trees, on the leaves.
- A microhabitat is a very small, particular habitat, such as under a log, in the reeds in a pond, in an oak tree.
- Micro-habitats have different conditions e.g. light or dark, damp or dry. These conditions affect what plants and animals live there.
- The plants and animals in a habitat depend on each other for food and shelter.
- The way that animals obtain their food from plants and other animals can be shown in a food chain.



Science

Year 2

Summer 1

What is in your habitat?



Vocabulary

Word	Definition
alive	Having life, living.
dead	No longer alive but once lived.
never been alive	Never lived.
suited/ suitable	being right for the environment
Survive	To continue to live
habitat	The place where an animal or plant lives and grows and where an animal or plant finds the food, water and shelter it needs to grow.
micro-habitats	small habitat that is different to the surrounding environment, for example for woodlice under stones, logs or leaf litter, for a spider, a spider's web, frog spurn, in a pond
food chain	A series of living beings in which each serves as food for the next.
organism	Living thing, for example, a plant or an animal.
environment	Where an organism lives.
shelter	A suitable environment (place) for an organism to grow.
decay	To rot or become rotten.

Common misconceptions:

- Children will not necessarily define seeds/berries as living because they do not think about the possibility of the object growing into a new plant.
- Children may not realise that wooden objects, such as a wooden bench or fence, are dead (once-lived) because they do not recognise that the wood came from a tree.
- Children may incorrectly link animals that do not live in the same habitat because of insufficient subject knowledge about what different animals eat or the habitat they live in.
- Children often put the arrows the wrong way round in a food chain as they use the arrows to show what an animal eats.

Knowledge and Understanding:

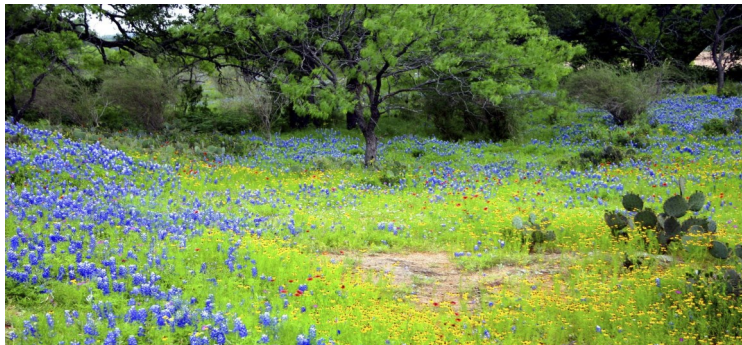
Children will:

- Explore and compare the differences between things that are living, dead, and things that have never been alive
- Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other
- Identify and name a variety of plants and animals in their habitats, including micro-habitats
- 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

Key skills and concepts:

Children will be able to:

- Use their **observations** to suggest answers to questions
- **Gather evidence and record data** to help answer questions.
- **Sort, group and classify** living, dead and never been alive things
- **Notice and record patterns** of habitats and the organisms that live there.
- **Find things out using secondary sources of information**



Key Questions

- What is a habitat?
- What are the characteristics of living things?
- What lives in a microhabitat?
- Do all minibeasts like living in the same microhabitats?
- How are living things suited to their habitat?
- What is a food chain?

