# Coley Primary School – Knowledge Organiser

| SUBJECT FOCUS: Biology Strand | Science: Living things and their habitat | YEAR 2 | TERM 1 |
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## WHAT? – Key Knowledge

- 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
- 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
- Understand a simple food chain, and identify and name different sources of food.

## Amazing Facts

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| **Habitats** | A habitat is a place where an organism lives. Some organisms can be found in lots of different habitats, while others can only survive in one type of habitat. A habitat must provide everything that an organism needs to survive, otherwise the **organism** will not be able to live there and will die. Habitat: Ocean, woodland, desert, beach, rainforest, town/city, jungle, river |
| **Woodland and habitat** | Fox, rabbit, owl, hedgehog, squirrel Fir tree, oak, fern |
| **Ocean habitat** | Shark, dolphin, starfish, clownfish, coral, seaweed |
| **Organism** | Another word for a living thing, including plants and animals. |
| **Micro-habitat** | A very small habitat. E.g. A log that woodlice live under or leaf litter. |

## Working Scientifically Challenge:

- Match certain living things to the habitats they are found in.
- Can they decide whether something is living, dead or non-living?
- Describe how a habitat provides for the basic needs of things living there.
- Describe a range of different habitats.
- Can they describe how plants and animals are suited to their habitat?
- Identify and compare a variety of plants and animals found in different habitats and microhabitats.

***I wonder…***

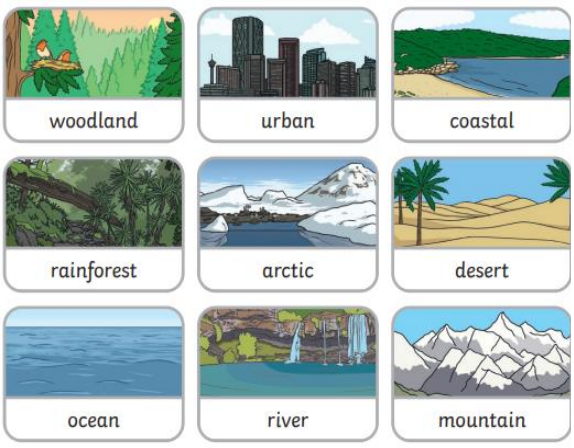
Can they explain the difference between living and non-living things?
Can they describe some of the life processes common to plants and animals, including humans?

## WHAT? – Key vocabulary

| Did you know… | |
|---|---|
| **Life processes** | These are things that all living things do:<br>➢ **move,**<br>➢ **breathe,**<br>➢ **sense,**<br>➢ **grow,**<br>➢ **make babies,**<br>➢ **get rid of waste**<br>➢ **get their energy from food.** |
| **Living** | Things that are living have all the life processes. |
| **Dead** | Things that are dead were once living. They did have all the life processes but don't know. |
| **Never living** | Things made out of metal, plastic or rock were never living. They never had the life processes. |
| **Food sources** | This is the place a living thing's food comes from. |
| **Food chain** | A food chain shows how each animal gets its food. Food chain are one of the ways that living things depend on each other to stay alive. |

## Diagrams and symbols

**Animal habitats:**




## Possible experiences: *Curious minds…*

**Investigate local microhabitats**: Find and look closely at two different microhabitats. Record what you notice.

- **'Habitat (Moving up with Science), by Peter Riley.**
- **Where Is My Home?: A children's story book with links to the science topic 'Habitats' by Lucy Parrianen**