

Living Things and Their Habitats

A Science Based Topic

What do you need to know before this topic?

- Identify and name some common wild and garden plants, including deciduous and evergreen trees.
- Identify and describe the basic structure of a variety of common flowering plants, including trees.
- Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.
- Describe and compare the characteristics of a variety of common animals (fish, amphibians, reptiles, birds and mammals).
- Identify and name a variety of plants and animals in their habitats, including microhabitats.

Key Assessment Questions

What sort of features does a habitat need to have in order for plants and animals to survive?
Can an environment contain many habitats?
What tools can be used to identify living things?
What changes to the environment can be natural?
What changes to an environment can be caused by humans?
What is the respiration process?
How can living things be grouped?
How is a classification key useful when grouping living things?

Sticky Knowledge

- I know plants and animals rely on the environment to give them everything they need.
- I know an environment contains many habitats.
- I know when habitats change, it can be dangerous to the plants and animals that live there.
- I know that changes to the environment can be natural or caused by humans.
- I know that vertebrates are animals with a backbone.
- I know that invertebrates are animals without a backbone.
- I know respiration is the process where plants and animals use oxygen gas from the air to help turn their food into energy.

Key Vocabulary:

classification, environment, habitat, migrate, hibernate, life process, respiration, excretion, nutrition, extinct, invertebrates, vertebrates, specimen, characteristics.

Key Skills

I can recognise that living things can be grouped in a variety of ways.
I can explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.
I can recognise that environments can change and that this can sometimes pose dangers to living things.
I can explain the key differences between vertebrates and invertebrates.
I can explain how each habitat is different.

Curriculum Drivers

Caring Community

I am the child who understands how we can care for the habitats and environment around us.

Learning & Leading

I am the child who understands that learning about specific habitats can lead to maintaining them for many years to come.

British & Global Values

I am the child who can recognise how different countries can work together to improve the habitats around us.

Wellbeing & Being Well

I am the child who understands and appreciates the natural world and how this can have a positive impact on my mental health and well-being.

Enterprise & Effort

I am the child who understands that through effort and innovation, we all have the ability to find solutions to environmental problems.

Identity and Uniqueness

I am the child who understands that each habitat is unique and each face their own set of challenges.

Writing	Maths	Art/DT	RE	PE	Computing	PSHE - Jigsaw	Music	French
Information Text: We will be producing an information text about an animal and their habitat.	Fractions We will be continuing with fractions with a focus on adding and subtracting.	Pottery We will be creating a Viking warrior linked to our previous topic	Sikhism Looking at Sikhs values and who is Guru Nanak Important symbols within Sikhism.	Athletics We will be practising various events such as sprinting, relay, shot put and long jump.	Photo Editing We will be looking at how images can be altered and edited and applying techniques learnt within our lessons to capture and alter our own images.	Relationships In this unit, we will explore relationships and how they impact our lives in a positive and negative way.	Learning about what opera is and some of the composers who wrote opera. Looking in more depth at the Opera 'Carmen' by Bizet.	In this unit, children will be able to explain what their favourite foods are and learn numbers 31-60.
Fictional Story We will be writing a short story about an animal lost in the wrong habitat.	Decimals We will be looking at decimals and their fraction equivalents.	Sculpture We will be using various techniques to sculpt using soap						