

## Perton Primary Academy Knowledge Organiser

Science Topic: Habitats

Year Group: 2

### Overview:

This topic teaches children about habitats and what a habitat needs to provide. They explore local habitats to identify and name living things and begin to understand how they depend on one another for food and shelter.

### Opportunities to develop working scientifically:

- -Observing closely, using simple equipment (Living and dead)
- -Performing simple tests (Plant adaptations)
- Identifying and classifying (Animal Adaptations, plant adaptations)
- -Gathering and recording data to help in answering questions. (Why do these animals live in this habitat?)

### Key vocabulary:

- Living
- Dead
- Non-living
- Habitat
- Microhabitat
- Woodland
- Meadow
- Hedgerow
- Pond
- Shelter
- Food Chain
- Energy
- Predator
- Prey

### Prior Learning:

EYFS - Creep, Crawl and Wriggle

Invertebrates, Invertebrate life cycles and where animals/insects live.

Year 1 - Animal Parts

Observing, measuring and studying earthworms.

### Future Learning:

Year 3 - Predator

Producers and consumers. Apex predators in a food chain. Primary and secondary consumers.

### Key knowledge:

#### Difference between living, dead and non-living things.

-Explore and compare the differences between things that are living, dead, and things that have never been alive.

#### Habitats and microhabitats

-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

#### Food chains

-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.

### Memorable Learning Experiences:

#### Exploring habitats

Take learners to a woodland area and explore the different micro-habitats. Why do the mini-beasts choose to live there?

#### Creating habitats

Creating different habitat for a mini-beast - Making observations about the mini-beast choices.

### Assessment Questions:

Can you name three living things?

Can you name three dead things?

Can you name three things that were never living?

What needs to start off a food chain?

What is a predator and what is prey?

What is a habitat?

Why does a \_\_\_\_\_ live in a \_\_\_\_\_?

What are herbivores, omnivores and carnivores?