

# The Flourish Federation—Knowledge Organiser

## Brookfield Infant and Junior Schools



|                       |                                                                           |               |               |
|-----------------------|---------------------------------------------------------------------------|---------------|---------------|
| <b>Science Focus:</b> | <b>Animals and Living things and their habitats</b><br>(Woodland habitat) | <b>Year 2</b> | <b>Term 1</b> |
|-----------------------|---------------------------------------------------------------------------|---------------|---------------|

### What? (Key Knowledge)

|                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 how they depend on each other | Look at different animals from the woodland habitat and consider how it is suited to its environment, match body parts to how they help it to meet its basic needs.<br><br>Use google kids safe search to find Information about animals from a woodland habitat.                                                         |
| Identify and name a variety of animals in their habitats.                                                                                                                                                   | Sort and classify different woodland animals based on a variety of categories—discussing and using Venn diagrams.<br><br>Including omnivore, carnivore and herbivore.                                                                                                                                                     |
| 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.                                               | Create food chains for the woodland habitat, sorting animals and using arrows correctly. Discuss how animals can eat more than one type of animal and touch on food webs.<br><br>Label animals in a food chain as producers and consumer, prey and predators.<br><br><a href="#">What is a food chain? - BBC Bitesize</a> |
| Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)<br><br>*From animals including humans                                                          | Children will explore the local environment and observe animals, birds in their habitats and begin to explain reasons why they may/ may not find a particular animal.<br><br>Children will learn where animals get their food from.                                                                                       |

### What? (Key Vocabulary)

| Spelling      | Definition                                                                                                                                                                                                                                                                                                          |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Habitat       | A place where a plant or animal lives                                                                                                                                                                                                                                                                               |
| Food chain    | A food chain shows how each living thing gets food, and how nutrients and energy are passed from creature to creature. Food chains begin with plant-life, and end with animal-life. Some animals eat plants, some animals eat other animals. A simple food chain could start with grass, which is eaten by rabbits. |
| Basis needs   | The things needed to keep you alive                                                                                                                                                                                                                                                                                 |
| Life cycle    | The changes in the life of an animal or plant                                                                                                                                                                                                                                                                       |
| Environment   | The surroundings or conditions in which a person, animal, or plant lives or operates                                                                                                                                                                                                                                |
| Survival      | To live or exist                                                                                                                                                                                                                                                                                                    |
| Micro habitat | A microhabitat is a small specialized habitat within a larger habitat, eg. a caterpillar snacking on leaves which have fallen from a walnut tree in the orchard.                                                                                                                                                    |

### Experiences/Wow Moments

|                                                                                                   |
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| Hands on experience looking at habitats of birds, mammals and other animals in local environment. |
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### ICT Opportunities

Research— using the internet to find out about different animals habitats. (How they behave, where they live, what they eat)

Create a spreadsheet from collected data from around the local environment.

Use ipads to photograph living things in the school environment

### Who? (Key People)

Charles Darwin

Discovered and observed new species of animals.

### Cross-Curricular Links

Geography— looking at floor / ariel maps of our school grounds

Art /DT— Sketching, clay modelling of animals

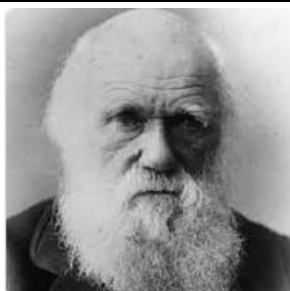
### Possible Writing Links

Animal descriptive writing including elements of its habitat.

Diary entries as woodland creatures.

Poetry/ riddles—what animal am I?

## Visuals



| Herbivore - Eats plants | Omnivore - Eats both plants and animals | Carnivore - Eats meat |
|-------------------------|-----------------------------------------|-----------------------|
|                         |                                         |                       |

PrimaryWorks



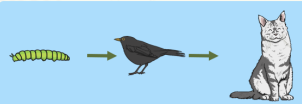
What else do you want to know about the animal?

- What does it eat?
- Does it lay eggs or have live young?
- Where does it live?
- Is it nocturnal?

### What Is a Food Chain?

The arrows in a food chain mean 'is eaten by'.

Can you name which animal is eating which in the food chain below?



### What Is a Food Chain?

Each food chain starts with a green plant. Green plants are called **producers** because they produce their own food.

All animals are called **consumers** because they consume their food by eating plants and other animals.

Animals that eat other animals are called **predators**. The animals that they eat are called **prey**.

