



Science

Living things and their habitats.

Background Information

In this unit children will learn about a variety of habitats and the plants and animals that live there. They learn to tell the difference between things that are living, dead and things that have never been alive, and apply this in a range of contexts. They make observations of a local habitat and the creatures that live there, investigating conditions in local microhabitats and how they affect the minibeasts found within them. This unit allows children to research a range of global habitats and how the living things that live there are suited to their environments, and also provides an introduction to the idea of dependency between plant and animal species.



LIVING & NON LIVING THINGS



In this unit the children will...

- Ask simple questions and recognise that they can be answered in different ways.
- Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs to different kinds of animals and plants, and how they depend on each other by considering the adaptations of animals, and how living things in a habitat depend on each other.
- Describe how animals obtain their food from plants and other animals, using the ideas of a simple food chain, and identify and name different sources of food.
- Describe the importance for humans of hygiene by observing closely, using simple equipment.
- Ask simple questions and recognise they can be answered in different ways by researching the rainforest, and by asking and answering questions about endangered.
- Identify and classify by sorting rainforest animals into animal classification groups.
- Perform simple tests, by investigating how much water can be saved by turning off the tap while washing hands.
- Observe closely, using simple equipment by measuring the different amounts of water used.

By the end of this unit....

All children can:

- Identify some of the plants and animals in a familiar habitat.
- Sort objects into categories.
- Describe the conditions in a habitat.
- Ask questions about different habitats.
- Describe the characteristics of some plants and animals.
- Name some sources of food.
- Generate questions about the rainforest.
- Sort rainforest animals into groups.
- Ask questions about endangered animals.

Most children will:

- Identify some plants and animals in global habitats.
- Sort objects into categories and give reasons for the choices.
- Suggest how an animal is able to survive in their habitat.
- Explain why the animals in a habitat need the plants.
- Draw a simple food chain.
- Label the animal groups.
- Measure an amount of water in ml and record it.
- Answer questions about an animal they have researched.

Some children will:

- Identify a variety of plants and animals in a range of habitats.
- Choose their own objects to go into given categories.
- Use information they have gathered to suggest an answer to a question.
- Suggest why the plants in a habitat need the animals.
- Use the results of the survey to answer a question.
- Draw a more detailed conclusion from the results of a test.

Characteristics of living things

Movement
Respiration
Sensitivity

Growth
Reproduction
Excretion
Nutrition

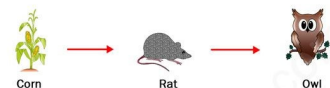
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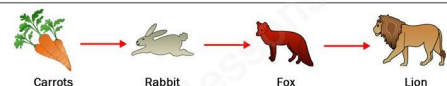
Key Vocabulary

survive, adapt, adaptation, depend, dependency, food chain, consumer, producer, predator, prey, herbivore, carnivore, omnivore, clean, hygiene, germs, rainforest, tropical, jungle, equator, mammal, reptile, amphibian, bird, water conservation, ocean, fresh water, salt water, groundwater, endangered, extinct.

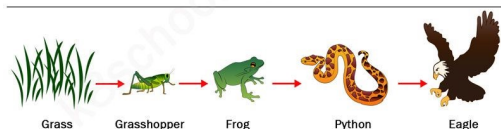
Food Chains



A three linked food chain



A four linked food chain



A five linked food chain