



Living Things

Science
Year 4
Summer Term

Overview

During this topic, we will learn about the different habitats of animals. We will look at local invertebrates and present their findings using classification keys. We will also explore the dangers to different habitats and how we can help reduce the threat.



Knowledge & Understanding

In this unit, the pupils will:

- recognise that living things can be grouped in a variety of ways
- explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment
- recognise that environments can change and that this can sometimes pose dangers to living things.

Enquiry Skills & Concepts

In this unit, the pupils will be:

- asking relevant questions and using different types of scientific enquiries to answer them
- setting up simple practical enquiries, comparative and fair tests
- making observations and taking accurate measurements
- gathering, recording, classifying and presenting data in a variety of ways to help in answering questions
 - recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
 - using results to draw simple conclusions, suggest improvements and raise further questions
- identifying differences, similarities or changes related to simple scientific ideas
- using straightforward scientific evidence to answer questions or to support their findings.

Topic Vocabulary

fertilisation - the process that leads to reproduction of a new plant

germination - the process by which a seed or bud reproduces

nutrients - what a plant needs in order to grow

pollination - the transfer of pollen to a stigma causing fertilisation

seed dispersal - when the seed leaves the flower and spreads on the earth

stamen - part of the plant that produces the pollen

stigma - part of the plant that receives pollen

Working Scientifically

classification - to sort things into different groups by their characteristics or features.

conclusion - an opinion reached after careful thinking and observation

data - facts or figures that can be used to give information about a subject.

evidence - findings and results that answer a question

fair test - testing without showing favour or allowing an advantage

observation - to look closely and make detailed thoughts / opinions about something

prediction - to use prior knowledge to state the outcome

variable - something that can change or has no fixed value.

Home – School link project

During this topic pupils can choose to:

- Create a classification key to group the living things in their local environment or park
- Create a poster / model about the dangers living things face when their environment changes