



## Working Scientifically

Ask simple questions and recognise that they can be answered in different ways including use of scientific language from the national curriculum (Year 2 focus).

*I can ask questions and know they can be answered in different ways.*

Use simple equipment to observe closely including changes over time (Year 2 focus).

*I can watch closely using equipment.*

Perform simple comparative tests (Year 2 focus).

*I can do tests.*

Identify, group and classify (Year 2 focus).

*I can name and group.*

Use his/her observations and ideas to suggest answers to questions noticing similarities, differences and patterns (Year 2 focus).

*I can use my observations and ideas to suggest answers to questions.*

Gather and record data to help in answering questions including from secondary sources of information (Year 2 focus).

*I can collect and record data to help answer questions.*

## Electricity

Identify common appliances that run on electricity.

*I can talk about common appliances that run on electricity.*

Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.

*I can construct and draw with labels a simple series electrical circuit which includes cells, wires, bulbs, switches and buzzers.*

## Animals Including Humans

Understand that animals, including humans, have offspring which grow into adults.

*I can explain that animals, including humans, have babies which grow into adults.*

Describe the basic needs of animals, including humans, for survival (water, food and air).

*I can explain the needs of animals, including humans, for survival.*

Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.

*I can explain the importance of exercise, eating healthily and keeping clean.*

## Materials

Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.

*I can say why I would choose a material for a particular job.*

Describe how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

*I can explain how objects made from some materials can be changed.*

## Plants

Observe and describe how seeds and bulbs grow into mature plants.

*I can explain how seeds and bulbs grow into plants.*

Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.

*I can describe how plants need water, light and a suitable temperature to grow and stay healthy.*

## Living Things & Their Habitats

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

*I can explain the differences between things that are living, dead and things that have never been alive.*

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.

*I can explain that most living things live in habitats which suit them and depend on each other.*

Identify and name a variety of plants and animals in their habitats, including micro-habitats.

*I can name some plants and animals in their habitats including micro-habitats.*

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.

*I can explain how animals get their food from plants and other animals using a simple food chain.*