

## Key Stage 1 Programme of Study

### Working Scientifically

Working Scientifically Focus	Questioning	Observing	Identifying	Testing	Recording	Drawing Conclusions
EYFS	Explore the natural world around them asking questions	Explore the natural world around them making observations and drawing pictures of plants and animals	Understand some important changes in the world including the seasons	Understand some important processes including changing states of matter	Explore the natural world around them making observations and drawing pictures of plants and animals	Know some similarities and differences between the natural world around them and contrasting environments
Year 1	The child can, with prompting, ask simple questions which can be answered  The child can offer a way of gathering evidence to answer a question	The child can look at objects to note key features	The child can identify some similarities and differences between objects and living things	The child can, with support, conduct simple tests	The child can, with prompting, identify what might be usefully recorded  The child can collect data	The child can identify key findings from an enquiry  The child can suggest answers to enquiry questions using data
Year 2	The child can ask simple questions which can be tested  The child can suggest different ways of answering a question	The child can examine carefully e.g. using a hand lens	The child can, with some support, sort and group things based on simple features	The child can conduct simple tests	The child can collect data relevant to the answering of questions  The child can, with assistance, draw and label diagrams	The child can answer enquiry questions using data and ideas  The child can identify and group key outcomes from an enquiry
<b>END OF KS1</b>	<b>Asking simple questions and recognising that they can be answered in different ways</b>	<b>Observing closely using simple equipment</b>	<b>Identifying and classifying</b>	<b>Performing simple tests</b>	<b>Gathering and recording data to help in answering questions</b>	<b>Using their observations and ideas to help in answering questions</b>

### Year 1 Knowledge

#### Plants

Pupils will be taught to:

- identify and name a variety of common wild and garden plants, including deciduous and evergreen trees
- identify and describe the basic structure of a variety of common flowering plants, including trees

#### Animals including humans

Pupils will be taught to:

- identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals
- identify and name a variety of common animals that are carnivores, herbivores and omnivores
- describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets)
- identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense

## **Everyday materials**

Pupils will be taught to:

- distinguish between an object and the material from which it is made
- identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
- describe the simple physical properties of a variety of everyday materials
- compare and group together a variety of everyday materials on the basis of their simple physical properties

## **Seasonal changes**

Pupils will be taught to:

- observe changes across the 4 seasons
- observe and describe weather associated with the seasons and how day length varies

## **Year 2 Knowledge**

### **Living things and their habitats**

Pupils will be taught to:

- explore and compare 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
- identify and name a variety of plants and animals in their habitats, including microhabitats
- 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

## **Plants**

Pupils will be taught to:

- observe and describe how seeds and bulbs grow into mature plants
- find out and describe how plants need water, light and a suitable temperature to grow and stay healthy

## **Animals including humans**

Pupils will be taught to:

- notice that animals, including humans, have offspring which grow into adults
- find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
- describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene

### **Uses of everyday materials**

Pupils will be taught to:

- identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses
- find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching