

## **EYFS**

### **Plants**

#### Nursery

- Plant seeds and care for growing plants
  - Identify something as a plant
  - Recognise that plants need water to grow
  - Name some common plants, identify leaf, root, stem and flower
- Understand the key features of the lifecycle of a plant.
  - Identify the seed in a plant.

#### Reception

- Explore the natural world around them.
- Understand the effect of changing seasons on the natural world around them.

## **ELG**

Explore the Natural world around them, making observations and drawing pictures of animals and plants.

### **Animals, excluding humans and Living things and their habitats.**

#### Nursery

- Understand the key features of the lifecycle of an animal.
  - Identify something as an animal
  - Compare adult animals to their babies
  - Observe how baby animals change over time.
- Begin to understand the need to respect and care for the natural environment and all living things.
- Talk about what they see, using a wide vocabulary.

#### Reception

- Explore the natural world around them
  - Name and describe animals that live in different habitats
  - Describe different habitats
- Describe what they see, hear and feel while they are outside.
- Recognise that some environments are different to the one in which they live.
- Understand the effect of the changing seasons on the natural world around them.

## **ELG**

Explore the Natural world around them, making observations and drawing pictures of animals and plants.

Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.

Understand some important processes and changes in the natural worlds around them, including the seasons and changing states of matter

## **Humans**

### Nursery

- Begin to make sense of their own life story and family's history.
- Learn how to use their senses
- Name and locate parts of their body
- Make healthy choices about food, drink, activity and toothbrushing.

### Reception

- Know how to talk about different factors that support their overall health and well being: regular physical activity, healthy eating, toothbrushing, sensible amounts of screen time, having a good sleep routine, being a safe pedestrian.

## **ELG**

Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.

## **Materials**

### Nursery

- Use all their senses in hands on exploration of natural materials.
- Explore collections of materials with similar and/or different properties.
- Talk about differences between materials and changes they notice
  - Combine and mix ingredients
  - Change materials by heating and cooling.

### Reception

- Explore the natural world around them
  - Arrange materials into groups
  - Make objects from different materials

- Observe, measure when changes occur e.g when cooking.

## **ELG**

Understand some important processes and changes in the natural worlds around them, including the seasons, and changing states of matter.

## **Electricity**

### Nursery

- Identify electrical devices
- Use battery powered devices.
- Know electricity can be dangerous

## **Light**

### Nursery

- Know that it is dangerous to look at the Sun
- Relate their sense of sight to their eyes
- Relate their sense of hearing to their ears
- Explore light sources
- Shine light through different materials

### Reception

- Explore shadows
- Explore rainbows.

## **Forces**

### Nursery

- Explore and talk about different forces they feel.

### Reception

- Explore how to change how things work
- Explore how the wind can move objects
- Explore how objects move in water

## **Working Scientifically**

### Nursery

- Understand 'why' questions like: why do you think the caterpillar has got fat?'

### Reception

- Learn new vocabulary
- Ask questions to find out more and to check what has been said to them.
- Articulate their ideas and thoughts in well-formed sentences.
- Describe events in some detail
- Use talk to help work out problems and organise thinking and activities and to explain how things work and why they might happen.

### **ELG**

Make comments about what they have heard and ask questions to clarify their understanding.