

## Science in Year 2

### Animals, including Humans:

- Identify, name, draw and label the basic parts of the human body, **including external and internal body parts.**
- Identify, name and describe a variety of common animals including **fish, amphibians, reptiles, birds and mammals, insects and molluscs.**
- Describe and compare the external and internal structure of common animals such as **birds, fish, reptiles and pets.**
- Describe what is needed to healthy and clean **(with reference to bacteria and viruses).**

### Everyday Materials:

- Distinguish between a greater variety of objects and the materials from which it is made.
- Identify and name some everyday materials **(found in their local area and further afield).**
- Use senses to explore a wide range of materials and compare and contrast them.

### Seasonal changes

- Observe **visual and other changes** across the four seasons
- Observe & describe weather linked to the seasons and **compare these.**
- **Understand, draw and discuss** how day length varies.

### Plants:

- Use senses to explore and talk about plants.
- Describe what a plant looks like **by dissecting and labelling it.**
- Identify, name and describe the basic structure of common plants, including **garden plants and trees, both deciduous and evergreen.**

### All Living Things and their habitats:

- Explore and compare the differences between things that are living, dead, and things that have never been alive **(giving examples).**
- To identify that most living things live in habitats to which they are suited.
- Describe how different kinds of animals and plants depend on each other **(simple food web and sources of food).**
- To identify and name a variety of plants and animals in their habitats, including **micro-habitats.**

# Key studies within Science in

## Key Stage One

### Everyday materials

- I know a material is something used to build or make something else.
- I know materials can be grouped according to their properties.
- I know objects, materials and living things can be looked at and compared.
- I know a material is what an object is made from, including wood, plastic, glass, metal, water, rock, brick, paper and fabric.
- I know materials have different properties, such as hard or soft; stretchy or stiff; rough or smooth; opaque or transparent; bendy or rigid; waterproof or not waterproof; magnetic or non-magnetic.

### Animals, including Humans

- I know the basic body parts (head, arms, legs, nose, eyes, ears, mouth, hands and feet).
- I know the five senses (hearing, sight, smell, taste and touch).
- I know animals are living things.
- I know animals can be sorted and grouped into six main groups: fish, amphibians, reptiles, birds, invertebrates and mammals.
- I know different animal groups have some common body parts, (eyes and a mouth, and some different body parts, fins or wings).

### Seasonal changes

- I know there are four seasons: spring, summer, autumn and winter.
- I know certain events and weather patterns happen in different seasons.

### Plants

- I know the local environment is a habitat and can change during the seasons.
- I know some common plants & that they are alive (daisy, daffodil, tulip and rose)
- I know the terms evergreen or deciduous and can give examples.
- I know all living things (plants and animals) change over time as they grow and mature.
- I know living things need to be cared for to survive (water, food, warmth and shelter).

