

# Science National Curriculum Planning Overview 2014 - 2015

## Year 1 and 2 Working Scientifically

- Ask simple questions and recognise they can be answered in different ways.
- Observe closely, using simple equipment.
- Perform simple tests.
- Identify and classify.
- Use observations and ideas to suggest answers to questions.
- Gather and record data to help in answering questions.

## Year 1 Plants

- Identify and name a variety of common wild and garden plants.
- Identify and describe the basic structure of a variety of common flowering plants.

## Animals

- Identify and name a variety of common animals including fish, amphibians, birds and mammals.
- Identify 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.

## Materials

- Ask simple questions and recognise they can be answered in different ways.
- Identify and name a variety of everyday materials, including wood plastic, glass, metal, water and rock.
- Describe the simple physical properties of everyday materials.
- Compare and group together a variety of everyday materials on the basis of their simple physical properties.

## Seasonal Change

- Observe changes across the four seasons.
- Observe and describe weather associated with the seasons and how day length varies.

## Year 2 Living things and their habitats

- Explore and compare the differences between things that are living, dead and things that have never been alive.
- Identify and name a variety of plants and animals in their habitats, including micro-habitats.
- 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.
- 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

- Observe 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

- Notice that animals including humans, have offspring which grow into adults.
- Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.

- Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).

## Uses of Everyday Materials

- Identify and compare the suitability of a variety of everyday materials, including wood, metal, 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.