

Year 2 Science Long Term Plan

Throughout the Year, the children will have the opportunity to carry out a range of experiments and investigations linked to the KS1 Topics or Science area. This will also include having visits from external organisations with a Science focus.

Working Scientifically

Ask simple questions and understand that they can be answered in different ways.

Observe closely, using simple equipment (like magnifying glasses).

Perform simple tests (to find things out).

Identify and classify (sort) living and non- living things.

Use my observations and ideas to suggest answers to questions.

Gather and record data (information) to help in answering questions.

Autumn Term

Animals including humans

Notice that animals, including humans, have offspring (babies) 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 (being clean).

Living things and their habitats

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.

Spring Term

Uses of everyday materials

Identify and compare the suitability of a variety of 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.

Range of scientific investigations – including balloon rockets, where does ice melt the fastest?

Summer Term

Plants

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

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

Living things and their habitats

Identify and name different 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 get their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.