

Science KS1 (A)

Throughout the year the children will cover a variety of aspects of the science curriculum to ensure all children:

- develop **scientific knowledge and conceptual understanding** through the specific disciplines of biology, chemistry and physics
- develop understanding of the **nature, processes and methods of science** through different types of science enquiries that help them to answer scientific questions about the world around them
- are equipped with the scientific knowledge required to understand the **uses and implications** of science, today and for the future.

Autumn 1	<p>Animals including pets</p> <ul style="list-style-type: none"> ▪ identify and name a variety of common animals ▪ describe and compare the structure of a variety of common animals including pets ▪ identify that most living things live in habitats to which they are best suited and how different habitats provide for the basic needs of animals ▪ find out about and describe the basic needs of animals for survival (water, food and air)
Autumn 2	<p>Seasonal Changes – Wonderful Weather</p> <ul style="list-style-type: none"> ▪ observe changes across the four seasons ▪ observe and describe weather associated with the seasons and how day length varies. ▪ Investigate ways to identify different weather ▪ Create simple weather records.
Spring 1	<p>Everyday materials – Brilliant Builders</p> <ul style="list-style-type: none"> ▪ 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.
Spring 2	<p>Plants – Art and Nature</p> <ul style="list-style-type: none"> ▪ identify and describe the basic structure of a variety of common flowering plants, including trees. ▪ 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 ▪ identify and name a variety of common and wild garden plants including deciduous and evergreen trees
Summer 1	<p>Everyday materials – Brilliant Builders</p> <ul style="list-style-type: none"> ▪ 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 groups together a variety of everyday material on the basis of the simple physical properties ▪ identify and compare the suitability of a variety of everyday materials ▪ find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Summer 2

Animals – Habitats and Homes

- 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 micro-habitats
- 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.