

Science Knowledge

Key Stage 1 – Topics Covered In A Two Year Rolling Program

Seasonal Changes - ongoing throughout the year	<ul style="list-style-type: none">• Pupils will observe changes across the four seasons, making use of the school grounds including the woodland area• They will observe and describe weather associated with the seasons and how day length varies throughout the year
Living Things And Their Habitats	<ul style="list-style-type: none">• Pupils will explore and compare the differences between things that are living, dead and things that have never been alive• They will 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• They will identify and name a variety of plants and animals in their habitats.
Animals Including Humans - Y1 & Y2	<ul style="list-style-type: none">• Pupils will learn to identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals• They will learn to identify and name a variety of common animals that are carnivores, herbivores and omnivores• They will learn that animals, including humans, have offspring which grow into adults• They will find out about the basic needs of animals, including humans, for survival (water, food and air)• They will describe the importance for humans of exercise, eating the right amounts of different types of food and about hygiene

Plants	<ul style="list-style-type: none">• Pupils will learn to identify and name a variety of common wild and garden plants, including deciduous and evergreen trees• They will learn to identify and describe the basic structure of a variety of common flowering plants, including trees
Everyday Materials And Their Uses Y1 & Y2	<ul style="list-style-type: none">• Pupils will learn to distinguish between an object and the material from which it is made• They will identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock• They will describe the simple physical properties of a variety of everyday materials• They will compare and group together a variety of everyday materials on the basis of their simple physical properties• They will identify and compare the suitability of a variety of everyday materials for particular uses• They will find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching