

Science skills and knowledge progression from Yr1-Yr2

This document is designed to show how and when the relevant science knowledge from the National Curriculum 2014 is taught. We follow the Kent Primary Science Scheme of Work.

<p align="center">KNOWLEDGE Yr 1</p>	<p><u>Plants</u></p> <ul style="list-style-type: none"> Identify and name a variety of common plants, including garden plants, wild plants and trees, and those classified as deciduous and evergreen Identify and describe the basic structure of a variety of common plants 	<p><u>Animals including humans</u></p> <ul style="list-style-type: none"> Identify and name a variety of common animals that are birds, fish, amphibians, reptiles and mammals Identify and name a variety of common animals that are carnivores, herbivores and omnivores. Describe and compare the structure of a variety of common animals (birds, fish, amphibians, reptiles and mammals, and including pets). Identify, name draw and label the basic parts of the human body and say which parts of the body is associated with each sense. 	<p><u>Materials</u></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, 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 physical properties. 	<p><u>Seasonal change</u></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.

KNOWLEDGE Yr 2	<p><u>Plants</u></p> <ul style="list-style-type: none"> • 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. 	<p><u>Animals including humans</u></p> <ul style="list-style-type: none"> • Notice that animals, including humans, have offspring 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. 	<p><u>Materials</u></p> <ul style="list-style-type: none"> • Identify and compare the suitability of a variety of everyday 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. 	<p><u>Living Things and Their Habitats</u></p> <ul style="list-style-type: none"> • 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.
----------------	---	---	---	--

INVESTIGATIVE SKILLS

NB: 'Working scientifically' specifies the understanding of the nature, processes and methods of science for each year group. It should not be taught as a separate

Year 1 and 2

Can simple questions and recognising that they can be answered in different ways

Can observe closely, using simple equipment

Can perform simple tests

Can identify and classify

Can use their observations and ideas to suggest answers to questions

Can gather and record data to help in answering questions