

Scientific Enquiry – Observation over Time **OT** / Pattern Seeking **PS** / Identifying and Classifying **IC** / Fair Testing **FT** / Researching **R**

	<p>Year 1 Animals, including Humans</p> <ul style="list-style-type: none"> able to identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. able to identify and name a variety of common animals that are carnivores, herbivores and omnivores. know the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets) able to identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense. 	<p>Year 1 Plants (Identification)</p> <ul style="list-style-type: none"> able to identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. able to identify and describe the basic structure of a variety of common flowering plants, including trees. <p>Year 1 Seasonal Changes – taught across all terms</p> <ul style="list-style-type: none"> know the changes across the four seasons. know the weather associated with the seasons and how day length varies. 	<p>Year 1 Exploring Everyday Materials</p> <ul style="list-style-type: none"> able to distinguish between the object and the material it is made from. able to identify and name a variety of everyday materials. know the physical properties of everyday materials. able to use properties to compare, sort and group materials.
<p>Knowledge</p>	<p>Year 2 Animals, including Humans</p> <ul style="list-style-type: none"> know that animals, including humans, have offspring which grow into adults. know the basic needs of animals, including humans, for survival (water, food and air). know the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. 	<p>Year 2 Living things and their habitats</p> <ul style="list-style-type: none"> know the differences between things that are living, dead, and things that have never been alive. know 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. able to identify and name a variety of plants and animals in their habitats, including micro-habitats. know 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. <p>Year 2 Plants (growth)</p> <ul style="list-style-type: none"> know how seeds and bulbs grow into mature plants. know how plants need water, light and a suitable temperature to grow and stay healthy. 	<p>Year 2 Use of Everyday materials</p> <ul style="list-style-type: none"> able to identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses know how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

	Year 1 <ul style="list-style-type: none"> Explore the world around them. Ask simple questions. Use simple secondary sources to find answers. 		Year 1 <ul style="list-style-type: none"> Explore the world around them. Ask simple questions. Observe changes over time. 		Year 1 <ul style="list-style-type: none"> Explore the world around them. Ask simple questions. Carry out simple tests Use simple features to compare objects, materials and living things With help, decide how to sort and group them (identifying and classifying) 	
	Scientific Enquiry focus: IC R		Scientific Enquiry focus: OT PS R		Scientific Enquiry focus: IC FT	
Skill	Year 2 <ul style="list-style-type: none"> Explore the world around them. Ask simple questions. Use simple secondary sources to find answers. Use simple measurements and equipment to gather data. Record simple data Talk about what they found out and how they found it out. Begin to use scientific language. 		Year 2 <ul style="list-style-type: none"> Explore the world around them. Ask simple questions. Carry out simple tests. Use simple secondary sources to find answers. Observe closely using simple equipment. Observe changes over time. With help, begin to notice patterns and relationships. Use their observations and ideas to suggest answers to questions. 		Year 2 <ul style="list-style-type: none"> Explore the world around them. Carry out simple tests. Begin to recognise different ways in which they might answer scientific questions. Use simple measurements and equipment to gather data. Record simple data Talk about what they found out and how they found it out. With help, record and communicate their findings in a range of ways. Begin to use scientific language 	
	Scientific Enquiry focus: OT PS IC R		Scientific Enquiry focus: OT FT R		Scientific Enquiry focus: IC FT R	
Vocabulary	Year 1 human body leg arm elbow head ear nose back mammals fish reptiles, birds amphibians + examples of each herbivore, omnivore carnivore	Year 2 human body adult baby offspring kitten calf, puppy survival air water food balanced diet exercise hygiene exercise hygiene	Year 1 leaves flowers petals stem fruit roots trees trunk branches deciduous evergreen summer spring autumn winter sun day moon night light dark	Year 2 explore compare plants growth seeds bulbs water light temperature identify deciduous evergreen living dead habitat + examples energy food chain predator prey	Year 1 water paper cardboard wood plastic glass metal rock hard soft bendy rough smooth	Year 2 brick paper fabric foil stretchy stiff shiny dull waterproof absorbent opaque transparent elastic squashing bending twisting stretching