



Science Curriculum: Year 1

What are the aims and intentions of this curriculum?

That children:

- are allowed to explore and discover the science in the world around them.
- are provided with the opportunities to develop their curiosity and to ask questions.

Term	Topic	Knowledge	Skills	Assessment
Autumn 1	Animals including humans	Know and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. Know and name a variety of common animals that are carnivore, herbivore and omnivore. Know and name the structure of common animals (fish, amphibians, reptiles, birds and mammals, including pets). Know basic parts of the human body. Know which parts of the body are associated with each sense.	Identify common animals. Compare common animals. Sort animals. Classify (according to what they eat) Draw and label. Observe animals. Observe changes over time. Identify patterns. Compare e.g. common leaves.	
Autumn 2	Seasonal changes: Autumn	Know there are 4 seasons. Know the types of weather associated with seasons. Know how day length varies.	Observe and describe seasonal characteristics. Gather information. Record information.	
Spring 1	Materials	Know the difference between an object and the material it is made from. Know the names of a variety of everyday materials, including wood, plastic, metal, water and rock. Know the simple properties of everyday materials.	Identify common materials. Compare common materials. Sort/classify common materials. Observe changes over time.	



Science Curriculum: Year 1

		Know how some materials can be grouped on the basis of their simple physical properties.		
Spring 2	Seasonal changes: Spring	Know there are 4 seasons. Know the types of weather associated with seasons. Know how day length varies.	Observe, describe and compare seasonal characteristics & changes. Gather information. Record information. Report information.	
Summer 1	Plants	Know and name common wild and garden plants (including deciduous and evergreen trees). Know the basic structure of common flowering plants and trees.	Identify common plants and trees Compare plants and trees. Observe changes over time. Group/sort plants and trees Draw and label plants and trees. Ask questions (that can be investigated or researched).	
Summer 2	Seasonal changes: Summer	Know there are 4 seasons. Know the types of weather associated with seasons. Know how day length varies.	Observe, describe and compare seasonal characteristics & changes. Gather information. Record information. Report information. Ask questions (that can be investigated or researched).	
<p><u>Principal Focus:</u></p> <ul style="list-style-type: none"> • Look more closely at the natural & humanly constructed World around them. • Encouraged to be curious and ask questions about what they notice • Help to develop their understanding of scientific ideas by using different types of scientific enquiry to answer their own questions (Including, over time noticing patterns, grouping and classifying) • Use simple scientific language to talk about what they have found out • Communicate their ideas to a range of audiences 				