

# Science Curriculum Map

	Autumn		Spring			Summer	
Y1	Plants Can you name a variety of plants and trees? Describe the basic structure of a plant.	Animals including Humans Can you identify a variety of animals? Can you compare different animals? Can you label the human body and say which sense it is associated with?	Plants Can you name a variety of plants and trees? Describe the basic structure of a plant.	Animals including Humans Can you identify a variety of animals? Can you compare different animals? Can you label the human body and say which sense it is associated with?	Materials Can you identify a variety of Everyday materials? Can you describe properties of everyday materials? Can you group everyday materials?		
Y2	Animals including Humans What do animals need in order to survive? Why is exercise, food and hygiene important?		Materials Can you describe different uses for everyday materials? How can the shapes of solid objects change?			Living things and their Habitats What is the difference between things that are dead, alive and things that have never been alive? Explain how different habitats suit different animals. What is a food chain?	Plants Can you describe how seeds and bulbs grow into plants? Describe how plants need water, light and a suitable temperature to grow.
Y3	Plants What is the function of different parts of the plant? What do plants need in order to grow? How is water transported in a plant? What is pollination?	Materials What type of rocks are there? How are fossils formed? How are soils made?	Animals including Humans What nutrients do humans need? What is the importance of skeletons and muscles?			Light What is light and why do we need it? How are shadows formed?	Forces How do objects move? What are magnets? What materials are magnetic?
Y4	Electricity What appliances use electricity? Can you construct an electrical circuit? How does a switch work? What is a conductor/ insulator?		Animals Including Humans How does the digestive system work? Name the different types of teeth and what they are used for? Can you construct and interpret food chains?	Sound What is sound? How does sound travel? How can pitch and volume vary?		Materials What are solids, liquids and gases? What materials can change state? What is the water cycle?	Living Things and their Habitats How can we group living things? How can we use a classification key?
Y5	Materials Can you group everyday materials based on their properties? What is a solution? How can we separate mixtures? What are reversible and irreversible changes?	Forces What is gravity? What are the effects of air resistance, water resistance and friction? How do levers, pulleys and gears work?	Living Things and their Habitats What are the life cycles of a mammal, an amphibian, an insect and a bird? Describe plant and animal reproduction	Earth and Space How do planets move? How does the moon move? What is day and night?	Forces What is gravity? What are the effects of air resistance, water resistance and friction? How do levers, pulleys and gears work?	Animals including humans How do humans change as they age?	Materials Can you group everyday materials based on their properties? What is a solution? How can we separate mixtures? What are reversible and irreversible changes?
Y6	Living things and their habitats How can we classify living things?	Animals including Humans What is the circulatory system? What are the impacts of diet and exercise? How are nutrients and water transported in humans?	Evolution and Inheritance Why are fossils important? How are we adapted to suit our environment?			Electricity What is voltage? Why are there variations in how components function? What symbols do we use in circuits?	Light How does light travel? How do we 'see' objects? Why are shadows the same shape as the object that cast them?