HIGH LITTLETON CHURCH OF ENGLAND PRIMARY SCHOOL
SCIENCE MEDIUM TERM PLAN TERM 6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Hedgehog **Spring and Summer**	To know that farmers do different jobs depending on the season. To know that animals have young that grow and change. To know that chickens grow and change.	To know that birds build nests in which to lay eggs in spring. To know that the Sun is low in the sky in early morning/evening. To know that there are activities which require daylight/sunshine.	To know that shadows move and change as the Sun appears to move across the sky. To know that it is important to take precautions in the Sun. To know that the Sun appears to move across the sky during the day.	To know that shadows move and change as the Sun appears to move across the sky. To know that it is important to take precautions in the Sun. To know that the Sun appears to move across the sky during the day.	To know how shadows change over the course of the day and over the course of the year. To know that the weather is generally warmer in late spring/summer. To know that day length is longer in spring/summer than autumn/winter. To know how day length varies.	To know that the environment is affected by seasonal change. To know some changes associated with autumn, winter, spring and summer.	**POP task**
Fox **Plants**	To revise the names of parts of plants including flowers, stems and roots. To introduce the idea that plants grow and change. To understand what the parts of flowers look like. To understand the	To understand the importance of pollination. To understand the process of pollination. To begin to understand the wide variety of plants that grow in a small area.	To understand that plants are important sources of food. To consider what foods animals and birds eat. To consider the requirements for plant growth.	To understand that plants need water to grow and stay healthy. To understand that plants need warmth to grow. To understand that seeds do not need light to grow, but plants do.	To consider the differences between seeds. To learn how potatoes, pineapples and onions begin to grow. To observe how plants 'drink'.	To know some of the differences between deciduous and evergreen bushes and trees. To know that plants have a variety of leaf shapes. To understand the different ways that plants protect	**POP task**

	differences and similarities between plants and animals.					themselves.	
Badger **States of matter**	To compare and group materials together, according to whether they are solids, liquids or gases.	To compare and group materials together, according to whether they are solids, liquids or gases.	To observe that some materials change state when they are heated or cooled, and measure the temperature at which this happens in degrees Celsius (°C).	To observe that some materials change state when they are heated or cooled, and measure the temperature at which this happens in degrees Celsius (°C). To associate the rate of evaporation with temperature.	To identify the part played by evaporation and condensation in the water cycle.	To identify the part played by evaporation and condensation in the water cycle.	**POP task**
Otter **Electricity**	To identify common appliances that run on electricity.	To construct a simple series electrical circuit. To identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.	To construct a simple series electrical circuit.	To recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.	To recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit. To recognise some common conductors and insulators, and associate metals with being good conductors.	To recognise some common conductors and insulators, and associate metals with being good conductors.	**POP task**
Deer	To know that electricity can be	To understand how switches can	To learn why Faraday is famous.	To consider the path of electricity	To know how the position of a switch	To know that care is needed	**POP task**

Electricity	controlled to do different jobs. To know how to light a bulb in an electrical circuit. To name the parts of a circuit. To know how to build a simple circuit that makes a bulb light or a buzzer sound.	control the flow of electricity around a circuit. To know that the number of bulbs and batteries in a circuit will affect how bright the bulbs are.		in different circuit designs. To know that the more wire in the circuit, the dimmer the bulb. To understand how very long telephone wires might affect the quality of the signal.	or switches will make a circuit change how it works. To understand how lights in different rooms can be on and off at different times. To know that batteries provide a portable supply of electricity, but mains electricity produces more power.	whenever using electricity. To know that electricity is important to everyday life. To describe a number of ways of generating electricity.	