HIGH LITTLETON CHURCH OF ENGLAND PRIMARY SCHOOL SCIENCE MEDIUM TERM PLAN TERM 1 2022 - 2023

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Hedgehog Autumn and Winter	To recognise changes to the natural environment that happen in autumn. To observe changes across the seasons. To name the seasons and their order. To link the months of the year to the relevant season. To identify characteristics of each season.	To observe shadows. To measure and record shadows over the course of a day. To describe how shadows change in shape and size over the course of a day. To create a timeline of a day between sunrise and sunset. To relate the apparent position of the Sun to the time of day. To relate shadow size to time of day. To observe and identify differences between day and night. To compare light and dark in summer and autumn evenings.	To consider how to measure rainfall accurately. To record rainfall on a regular basis using a rain gauge. To observe signs of wind and identify differing wind strengths. To create a weather vane. To identify which way the wind is blowing from the evidence of their weather vane.	To carry out an investigation into temperatures indoors and outdoors. To make simple temperature recordings. To identify some nocturnal animals and consider why they are nocturnal. To observe the leaves of some deciduous trees.	To compare weather between the different seasons. To explain why specific clothing is suited to different seasons. To consider how animals cope with cold winter weather. To investigate the concept of bird/animal migration.	To observe seasonal changes in the park. To observe one tree in detail. To identify the characteristics of an evergreen tree.	POP task
Fox	To revise the names of common materials, such as wood, plastic, glass,	To understand and recognise the wide range of different	To know that clothes are made from lots of	To consider materials that help us keep warm.	To know how soil is useful. To know that	To understand that some materials are	POP task

Everyday Materials	metal, water and rock. To introduce the idea that there are many different uses for materials. To understand that there are many different materials.	materials that we need. To understand that different materials are used for the same things	different materials. To know that toys are made from lots of different materials. To know that a bicycle are made from lots of different materials.	To know that metals are used for many things. To know that wood has many uses.	mammals, birds and insects use materials. To explore materials and suggest why they are useful.	natural and others have to be manufactured. To consider the different materials needed to make a cake. To know that the materials need to be mixed and heated to make a cake. To consider that if we freeze some materials they change into something else.	
Badger Animals including humans	To explore existing ideas about what happens to the food we eat. To recognise that there are different types of teeth in different parts of the mouth. To consider the link between the shape of teeth and diet.	To know the different kinds of human teeth and understand how the shape of teeth is linked to their	To report on findings and consider the implications for caring for teeth.	To report on findings and consider the implications for caring for teeth.	To know the pathway that food takes from mouth to anus. To consolidate	To consolidate knowledge of the digestive system. To consider the digestive system in relation to other body systems.	POP task
Otter Animals including humans		function. To know which foods are most damaging for teeth. To understand why we need to brush teeth to remove plaque.	To know that we have two sets of teeth in our life. To understand the role of the tongue in the digestive system.	To know that we have two sets of teeth in our life. To understand the role of the tongue in the digestive system.	knowledge of the digestive system. To understand that the digestive system's purpose is to break down food into tiny bits. To consider the waste products of digestion.		POP task

Deer Animals, including Humans	To introduce the idea of a more detailed classification system. To know how to place organisms into one of the five kingdoms. To learn about the development of microscopes and research of cells.	To learn about bacteria. To understand the role of protists in food webs. To learn about yeast.	To learn about responses in controlling the spread of a virus. To be able to classify vertebrates and invertebrates based upon their characteristics.	To review ideas about fossil formation and adaptation to habitats. To consider issues of difference between people with sensitivity. To find out about the life and work of Mary Anning.	To recognise a fossil and know that fossils can provide evidence of soft remains and of footprints. To consider why humans walk on two legs. To understand that changes in the environment can cause some groups of living things to become extinct.	To consider how animals have adapted to their environment. To understand that animals are in competition for resources. To use results of games that model competition to make inferences about competition in the wild.	POP task
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