

Science						
	Autumn		Spring		Summer	
Year4	Materials—States of Matter	Habitats	Animals including Humans	Animals including Humans Teeth and Eating	Energy- Sound	Energy— Electricity
	Term1	Term2	Term 1	Term 2	Term 1	Term2
	Solid, liquids and Gases	Habitats	Nutrition and Digestion	Teeth &Eating	Sound	Electricity
Knowledge	-compare materials according to whether they are solids, liquids and gases. - understand how heat and cold changes the state of matter -understand that we can change the melting and boiling point of substances	-that living things can be grouped in a variety of ways and that varying habitats found in UK -animal groups and flowering and non-flowering plants found in England -how habitats change over the year -how to construct and interpret a variety of food chains, identifying producers, predators and prey	-what different types of food are there? -Why do we need variety of food? What is our digestive system?	-the different types of teeth in humans and their simple functions -the specific parts of a human tooth -explain tooth decay	-how sound travels -the difference between pitch and volume -how a human ear works -that sound needs a medium to travel -how a range of different musical instruments make sound	-common appliances that run on mains and on battery -hazards/dangers of using electricity -how to remain safe while using electricity - switch helps to break the circuit -Know the difference between a conductor and an insulator, giving examples of each -what are dependent and independent variables in a fair test -Recognise some common conductors and insulators and associate metals being good conductors
(skills)	-sort materials as liquid, gases and solids - observe how heat and cold affects the state of matter and research the temperature at which this happens in degree Celsius -plan a fair test to investigate factors that affect the rate of evaporation	-create keys to identify animals found in England -create keys to identify plants found in England -explore human impact on environment -Explore how removal of one species from an environment, affect others?	-Investigate how our food turn into poo and wee -describe the different functions of basic parts of a digestive system in humans.	-compare the teeth of carnivores and herbivores -suggest reasons for the differences -plan a fair test to find out which drinks cause teeth decay	-plan a fair test to test materials to make earmuffs -plan a fair test to identify how the pitch of a musical instrument can be changed	-plan a fair test to find out how you can change the brightness of a bulb -plan a fair test to find out which materials can carry electricity(to sort conductors and insulators) -construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers
Key vocabulary	energy temperature solid liquid gas melt precipitate freeze	phylum classification habitats adaptation deforestation human impact predator Decomposer Food chain consumer	nutrients Digestive System stomach oesophagus pancreas tooth	decay	pitch frequency amplitude volume waves	conduct hazard electricity electric current appliances mains cell

Links	<p>Design and Technology Bread</p>	<p>Reading The Fallen Elephant Literacy Letter from an animal's point of view Geography Animals around the World Where animals come from Design and Technology Padded Animals ART Printing/Painting Make an abstract piece using a range of printing tools Cityscape, Fruit bowl, Landscape Ocean animals Jungle or Flowers</p>	<p>Design and Technology Bread Reading Eating Well PHSE Healthy me</p>	<p>Reading Eating well Computing Data and information- Data logging Design and Technology Bread Snacks/pancakes PE Dance Health and Fitness skills PSHE Healthy me</p>	<p>Computing Data and information- Data logging Maths Statistics</p>	
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