

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Materials - distinguish between objects and materials from which they are made - identify and name a variety - describe, compare and group the simple physical properties	Materials - identify and compare the suitability of a variety of everyday materials - changing shape of solid objects		States of matter - compare and group materials (solid, liquid and gas) - change of state Evaporation and condensation in the water cycle	Properties and changes of materials - group and compare materials based on properties (hardness, solubility, transparency, conductivity and response to magnets) - dissolving materials - separating mixtures - reversible and irreversible changes - changes that result in the formation of new materials	
Seasonal Change - observe the 4 seasons and the weather associated with each season. - day lengths				Earth and space - Movement of the earth and other planets in relation to the sun - movement of the moon in relation to the Earth - describe the sun, moon and earth and approximately spherical bodies Explain night and day and suns movement across the sky.	
Animals, including humans - identify and name a variety of common animals incl fish	Living things including humans - Compare differences between things that are alive and dead.		Animals, including humans - grouping living things in a variety of ways - Classification keys	Living things and their habitats - describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird	Living things and their habitats - classifying in to groups according to common observable characteristics

- Describe and compare the structure of a variety of common animals	- habitats incl microhabitats - describe how animals obtain their foods using food chains		- changing environments and how they pose dangers to living things - food chains (producers, predators and prey)	- life process of reproduction in some plants and animals.	- give reasons for classifying plant and animals based on characteristics
Animals, including humans - Identify, name, draw and label the basic parts of the human body and which are associated with each sense.	Animals, including humans - Basic needs of animals incl humans - describe the importance for humans of exercise, eating the right amounts of different foods and hygiene. - offspring	Animals, including humans - nutrition Skeletons and muscles	Animals, including humans - digestive system - teeth	Animals, including humans - describe the changes as humans develop to old age	Animals, including humans - identify and name the main parts of the human circulatory system - recognise the impact of diet, exercise, drugs and lifestyle on their bodies function Describe ways in which nutrients and water are transported within animals, incl humans
Plants - Identifying, naming and describing a range of plants and trees	Plants - Observing how plants grow and what they need to survive	Plants - Identify and describe the function of different parts of plants - life cycle of flowering plants - Investigate water transportation - requirements plants need to grow and how they differ from plant to plant.			
		Forces and magnets		Forces - force of gravity on objects	

		- compare how things move of different surfaces - some forces need contact between 2 objects - magnets attract or repel and making predictions - Compare and group everyday materials - magnets and their poles		- air resistance, water resistance and friction - recognise that some mechanisms incl leavers, pulleys and gears allow a smaller force to have a greater effect.	
		Light - recognise they need light in order to see - darkness is an absence of light - notice light is reflected from surfaces - protecting our eyes from the sun - patterns in the changing size of shadows.			Light - recognise that light appears to travel in straight lines and use this to explain how objects are seen - Use idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.
		Rocks - Compare the different types - fossils - Soils			Evolution and inheritance - living things change over time and that fossils provide information about living from the past - recognise living things produce offspring of the

					<i>same kind, but vary and are not identical</i> <i>- how animals and plants adapt to suit their environment and adoptions lead to evolution</i> <i>(links to y2 animals incl humans)</i>
			Electricity <i>- applications that run on electricity</i> <i>- construct a simple series electrical circuit naming basic parts</i> <i>- switches</i> <i>- Conductors and insulators</i> <i>- Identify if a lamp will light in a series circuit</i>		Electricity <i>- associate the brightness of a lamp with the voltage of the cells</i> <i>- Compare and give reasons for variations in how components function</i> <i>- recognise symbols when representing a simple circuit in a diagram</i>
			Sound <i>- How sounds are made and travel</i> <i>- pitch and volume of a sound and how it is produced</i> <i>- investigate sound getting fainter as you increase the distance from the sound source</i>		