

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Science</b>						
<b>Living things and habitats</b>		<b>Living things and habitats</b> Explore and compare differences between living, dead and never alive  Describe how habitats provide basic needs  Identify and name plants and animals in their habitats  Micro habitats  Simple food chains.		<b>Living things and habitats</b> Grouping  Classify and identify a variety of living things in the local and wider environment  Understand that environments can change and pose dangers to living things.	<b>Living things and habitats</b> Describe – Life cycles of mammal, amphibian, insect and bird  Describe - Reproduction in some plants and animals.	<b>Living things and habitats</b> Describe, explain and give reasons for classification according to observable characteristics - microorganisms, plants and animals.
<b>Plants</b>	<b>Plants</b> Identify and name common wild and garden plants, including deciduous and evergreen trees  Identify and describe the basic structure of flowering plants and trees.	<b>Plants</b> Observe and describe how seeds and bulbs grow into plants  Find out and describe what plants need to grow	<b>Plants</b> Identify and describe the functions of different plants  Explore the requirements of plants for life and growth  Investigate how water is transported within plants  Explore the part that flowers play in the life cycle of flowering plants			

<b>Animals including humans</b>	<p><b>Animals including humans</b> Identify and name a variety of common animals using scientific vocabulary - fish, amphibians, reptiles, birds and mammals plus carnivores, herbivores and omnivores –</p> <p>Identify and name structure of common animals and parts of the human body parts - link to senses.</p>	<p><b>Animals including humans</b> Notice that animals and humans have offspring</p> <p>Describe the basic needs of animals and humans</p> <p>Describe the importance of exercise, food types and hygiene</p>	<p><b>Animals including humans</b> Investigate that animals and humans need the right amount of nutrition</p> <p>Identify that humans and some animals have skeletons and muscles</p> <p>.</p>	<p><b>Animals including humans</b> Digestive system</p> <p>Teeth</p> <p>Food chains – identifying producers, predators and prey.</p>	<p><b>Animals including humans</b> Describe changes as a human develops to old age</p>	<p><b>Animals including humans</b> Identify, name and describe – Circulatory system Functions of the heart Blood vessels and blood</p> <p>Recognise the impact of- Diet, exercise, drugs and lifestyle</p> <p>Describe how nutrients and water are transported around the body.</p>
<b>Materials</b>	<p><b>Materials –</b> Observe identify, name, describe and classify common materials.</p>	<p><b>Materials</b> Identify the and compare the suitability of a variety of everyday materials</p> <p>Find out how the shapes of some solid objects can be changed</p>	<p><b>Rocks</b> Compare rocks on the basis of appearance and physical properties</p> <p>Describe how fossils are formed</p> <p>Recognise that soil is made from rocks and organic matter</p>	<p><b>States of matter –</b> Compare and group solids, liquids, gasses</p> <p>Observe changes in state, heating and cooling</p> <p>Water cycle – evaporation and condensation</p>	<p><b>Properties and changes of materials</b> Compare and group materials based on properties – soluble, transparency, conductivity, magnetism dissolving solutions, mixtures reversible and irreversible changes.</p>	
<b>Electricity</b>				<p><b>Electricity</b> Identify appliances Construct simple circuits and use switches Recognise common conductors and insulators</p>		<p><b>Electricity</b> Associate brightness and volume with voltage of cells; Compare and give reasons for variations in components function Use recognised symbols when representing a circuit.</p>

<b>Forces and magnets</b>			<b>Forces and magnets</b> Compare how things move on different surfaces  Observe and understand magnets - describe, predict, sort and compare materials according to magnetic properties 00000000000		<b>Forces and magnets</b> Explain, identify and recognise – Gravity Air resistance Water resistance Friction Mechanisms, levers, pulleys and gears.	
<b>Light and sound</b>			<b>Light</b> Recognise that we need light to see  Understand that light is reflected from surfaces  Awareness of the dangers of the sun  Recognise how shadows are formed and why the size changes.	<b>Sound</b> Identify how sounds are made  Recognise vibrations and find patterns between the pitch of a sound, the volume of a sound  Recognise that sound gets fainter as distance increases		<b>Light</b> Recognise that light appears to travel in straight lines. Explain how things are seen
	<b>Seasonal changes –</b> Observe changes in the seasons Observe and describe the weather				<b>Earth and Space</b> Describe - Movement of the earth Movement of the moon; The sun Earth's rotation to explain night and day.	<b>Evolution and inheritance</b> Recognise – Living things have changed over time(fossil evidence) Offspring are not identical to their parents; Animals and plant adaptation