

# Science



		AUTUMN		SPRING		SUMMER	
YEAR A	KS1	Seasonal changes across autumn, winter, spring and summer – observe and describe weather and changes in day length Seed growth – planting seeds/bulbs, requirements for germination, caring/monitoring plant growth					
		<b>Living Things</b> <ul style="list-style-type: none"> <li>Identify common wild and garden flowers</li> <li>Structure of plants</li> </ul>	<b>Living Things</b> <ul style="list-style-type: none"> <li>Seed growth</li> <li>Planting seeds/bulbs</li> </ul>	<b>Living Things</b> <ul style="list-style-type: none"> <li>Identify common trees</li> <li>Structure of trees</li> </ul>	<b>Living Things</b> <ul style="list-style-type: none"> <li>Seed growth-requirements for plant germination</li> </ul>	<b>Living Things</b> <ul style="list-style-type: none"> <li>Seed growth-caring/monitoring plant growth</li> </ul>	<b>Materials</b> <ul style="list-style-type: none"> <li>Identify and describe properties of everyday materials</li> <li>Compare and group materials</li> </ul>
		<b>Living Things</b> <ul style="list-style-type: none"> <li>Functions/structure of flowering plants</li> <li>Requirements for growth</li> </ul>	<b>Living Things</b> <ul style="list-style-type: none"> <li>Water transportation</li> <li>Life cycle of flowering plants</li> </ul>	<b>Rocks and Soils</b> <ul style="list-style-type: none"> <li>Compare and group rocks</li> <li>Formation of fossils</li> <li>How soil is formed</li> </ul>	<b>Classification</b> <ul style="list-style-type: none"> <li>Classification of living things in local and wider environment</li> </ul>	<b>Light</b> <ul style="list-style-type: none"> <li>Importance of light</li> <li>Protect eyes</li> <li>Reflection</li> <li>Shadow formation</li> </ul>	<b>Electricity</b> <ul style="list-style-type: none"> <li>Construct simple series circuit</li> <li>Common conductors/insulators</li> </ul>
	UKS2	<b>Living Things</b> <ul style="list-style-type: none"> <li>Classification of living things based on observable characteristics <i>Scientist: Carl Linneas</i></li> </ul>	<b>Life Cycles</b> <ul style="list-style-type: none"> <li>Reproduction in plants and animals <i>Naturalists: David Attenborough /Jane Goodall</i></li> </ul>	<b>Humans</b> <ul style="list-style-type: none"> <li>Circulatory System</li> </ul>	<b>Humans</b> <ul style="list-style-type: none"> <li>Diet/ exercise/ drugs/lifestyle</li> </ul>	<b>Electricity</b> <ul style="list-style-type: none"> <li>Voltage of cells affect brightness/volume</li> <li>Conventional symbols</li> </ul>	<b>Light</b> <ul style="list-style-type: none"> <li>Light travel in straight lines</li> <li>How we see</li> <li>Shadows</li> </ul>
YEAR B	KS1	Seasonal changes across autumn, winter, spring and summer – observe and describe weather and changes in day length					
		<b>Living Things</b> <ul style="list-style-type: none"> <li>Habitats</li> <li>Simple food chains</li> </ul>	<b>Living Things</b> <ul style="list-style-type: none"> <li>Offspring</li> <li>Survival</li> <li>healthy living</li> </ul>	<b>Living Things</b> <ul style="list-style-type: none"> <li>Identify common animals</li> <li>Carnivore/herbivore/omnivore</li> </ul>	<b>Living Things</b> <ul style="list-style-type: none"> <li>Structure of common animals, including human body</li> <li>Senses</li> </ul>	<b>Materials</b> <ul style="list-style-type: none"> <li>Identify and compare suitability of everyday materials</li> </ul>	<b>Plan own investigations</b> <ul style="list-style-type: none"> <li>Observe over time</li> <li>Plan how to record findings</li> </ul>
		<b>Humans</b> <ul style="list-style-type: none"> <li>Nutrition</li> <li>Functions of skeletons/ muscles</li> </ul>	<b>Humans</b> <ul style="list-style-type: none"> <li>Digestive system</li> <li>Teeth</li> </ul>	<b>States of Matter</b>	<b>Forces and Magnetism</b>	<b>Sound</b>	<b>Plan own investigations</b> <ul style="list-style-type: none"> <li>Make and develop ideas</li> <li>Use comparative &amp; fair testing</li> </ul>
	UKS2	<b>Living Things</b> <ul style="list-style-type: none"> <li>Evolution and Inheritance</li> <li>Adaptation to survive <i>Naturalists: Charles Darwin /Alfred Wallace/Mary Anning</i></li> </ul>	<b>Living Things</b> <ul style="list-style-type: none"> <li>Human changes</li> <li>Food chains</li> </ul>	<b>Materials</b> <ul style="list-style-type: none"> <li>Properties and change of materials <i>Chemists: Spencer Silver (glue of sticky notes) and Ruth Benerito (wrinkle free cotton)</i></li> </ul>	<b>Earth and Space</b>	<b>Forces</b> <ul style="list-style-type: none"> <li>Gravity, friction</li> <li>Air/water resistance</li> </ul>	<b>Forces</b> <ul style="list-style-type: none"> <li>Levers, pulleys and gears</li> </ul>