

<p style="text-align: center;">Swanton Morley VC Primary School</p> <p style="text-align: center;"><b>Science</b></p> <p style="text-align: center;"><b>CURRICULUM MAP</b></p> <p>At Swanton Morley VC Primary School, we appreciate the importance of Science in our lives and strive to ensure it maintains a high profile within our school. Our desire to enthuse and inspire children to develop a love of Science is reflected by the opportunities we provide for them to ask their own questions, plan and carry out their own experiments and investigations; giving them the support needed to develop scientific knowledge and skills in practical and purposeful ways.</p>			EYFS			Key Stage 1: Year 1		
			AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER
			<p>Health and self-care Keeping healthy</p> <p>Seasons</p> <p>All about me: Body parts and the senses</p>	<p>Living/non-living things</p> <p>Growing - Plants</p> <p>Weather</p>	<p>Floating and sinking</p> <p>Lifecycles – animals; chicks</p>	<p>Plants: Observing changes (identify common plants/trees)</p> <p>Seasons and associated weather (link to geography – UK Weather)</p> <p>Ourselves: Body parts and senses (body part is linked to sense) and growing</p>	<p>Forces: Pushes and pulls</p> <p>Materials: Identify, describe, sort, group, compare and classify materials</p>	<p>Plants: Identify the basic parts of a plant and their function</p> <p>Animals: Identify and compare common animals</p>
Key Stage 1: Year 2			Key Stage 2: Year 3			Key Stage 2: Year 4		
AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER
<p>Animals including humans: Healthy living, diet, exercise and hygiene</p> <p>Plants: Seeds and bulbs</p>	<p>Materials: How we use everyday materials and suitability of materials (Charles Macintosh)</p> <p>Animals including humans: Growing – offspring to adult and basic needs for survival</p>	<p>Plants: Germination and growing</p> <p>Living things and their habitats: Identify and describe habitats, identify plants and animal habitats, simple food chains, compare things that are living, dead or have never been alive</p>	<p>Animals including humans: skeletons, muscles and nutrition</p> <p>Forces: How things move and react</p> <p>Magnetism: Attract, repel, ferrous/non-ferrous materials and magnetic poles</p>	<p>Light: Reflections and shadows (eye safety)</p> <p>Rocks and Soils: Compare and group rocks by physical appearance and properties, how fossils are formed, recognise soils are made of rocks and organic matter</p>	<p>Plants: Functions of flower parts (pollination, seed formation and dispersal), requirements for life and growth, water transportation</p> <p>Mini-beast habitats</p>	<p>Animals, including humans: Digestion, teeth and food chains</p> <p>Electricity: circuits, conductors and insulators</p>	<p>States of Matter: Solids, liquids and gases, change of state and the water cycle</p> <p>Sound: How sound is made, vibrations, the ear, patterns, volume and pitch</p>	<p>Living things and their habitats: Grouping, classification, keys, and changing environments</p> <p>Environmental Science: Plastic pollution (PSHE link - Caring for our environment)</p>
Key Stage 2: Year 5			Key Stage 2: Year 6			Visits, Trips and ‘Special’ Days/Events		
AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER
<p>Forces: Gravity, air resistance, water resistance, friction and mechanisms</p> <p>Earth and Space: Movement of the Earth and planets in relation to the sun, movement of the moon and night and day</p>	<p>Properties of materials: Compare and group materials based on properties and uses of materials</p> <p>Changes of materials: Reversible and irreversible changes</p>	<p>Living things and their habitats: Describe differences between lifecycles and describe reproduction in plants and animals</p> <p>Animals including humans: Describe changes as humans develop to old age</p>	<p>Electricity: Investigate effects of varying voltage, the functions of circuits, components in circuits and circuit diagrams</p> <p>Light: Investigate paths of light, reflection, refraction, shadows, colour and the human eye</p>	<p>Evolution and inheritance: Evolutionary pathways, fossils, adaptation, Darwin and simple genetics</p> <p>Living things and their habitats: Characteristics and classification – animals, plants and microorganisms</p>	<p>Animals, including humans: Circulation and transport of nutrients and water, growth, development and reproduction</p> <p>Diet, nutrition (food groups, requirements for survival), exercise, drugs and lifestyle – its effects, health and hygiene</p>	<p>Visit to observatory – Earth and Space (Year 5)</p>	<p>Wonders of Wool workshop at Mayfield’s Farm – materials (Year 5)</p> <p>Northgate school farm (EYFS)</p> <p>RSPB Birdwatch (EYFS)</p>	<p>Chicks – life cycles topic (EYFS)</p> <p>Science Week/Days (whole school)</p> <p>Butterflies – animals topic (Year 1)</p>