

Science March 2015

Year 3	Plants	Animals including Humans	Rocks	Light	Forces and magnets
	<p><i>Basic parts of flowering plant.</i></p> <p><i>Requirements for life and growth.</i></p> <p><i>Way water transported in plants.</i></p> <p><i>Flower reproduction.</i></p>	<p><i>Nutrition and Food – balanced diet.</i></p> <p><i>Skeletons and muscles, body movements.</i></p>	<p><i>Rocks, soils and fossils.</i></p> <p><i>Looking at the properties and how they are formed.</i></p>	<p><i>Need light in order to see.</i></p> <p><i>Light can be reflected.</i></p> <p><i>Recognise light from sun can be dangers.</i></p> <p><i>Shadows and how formed, patterns – explore!</i></p>	<p><i>Movement on different surfaces – friction.</i></p> <p><i>Push and Pull, repel and attract.</i></p> <p><i>Grouping materials based on magnetic attraction, predict.</i></p> <p><i>Poles.</i></p>
Year 4	Living things and their habitats	Animals including Humans	States of Matter	Sound	Electricity
	<p><i>Basic groupings of living things.</i></p> <p><i>Identify living things in local and wider environ.</i></p> <p><i>Environmental changes and effects on lives.</i></p>	<p><i>Functions of basic parts of digestive system.</i></p> <p><i>Teeth and function.</i></p> <p><i>Food chains incl. producers, predators and prey</i></p>	<p><i>Changing of states (3 states).</i></p> <p><i>Water cycle and key parts (evaporation, condensation and temperature)</i></p>	<p><i>How sounds are made (vibrations), how the ear works.</i></p> <p><i>Pitch, volume, strength of vibrations.</i></p> <p><i>Impact of distance on sound.</i></p>	<p><i>Know what needs electricity.</i></p> <p><i>Simple circuit construction and name basic parts.</i></p> <p><i>Explore why circuits do or don't work.</i></p> <p><i>Discover how to use switches.</i></p> <p><i>Conductors and insulators.</i></p>
Year 5	Living things and their habitats	Animals including Humans	Properties and changes of materials	Earth and Space	Forces
	<p><i>Describe differences in life cycles of animal groups.</i></p> <p><i>Reproduction of plants and animals.</i></p>	<p><i>Describe changes in humans as they grow and age – puberty.</i></p> <p><i>Compare animals and humans.</i></p> <p><i>Reproduction.</i></p>	<p><i>Compare/contrast every day materials, properties.</i></p> <p><i>Dissolving, mixing- irreversible & reversible changes.</i></p> <p><i>Use knowledge of 3 states to separate/filet/sieve/evaporate d.</i></p> <p><i>Fair testing!</i></p>	<p><i>Movements of Earth and other planets relative to the sun.</i></p> <p><i>Planet names and order.</i></p> <p><i>Describe the moon relative to Earth incl. moon phases.</i></p> <p><i>Shape of planets.</i></p> <p><i>Rotation (day and night), moon effects on tidal system, weather.</i></p>	<p><i>Gravity, air resistance, water resistance, friction.</i></p> <p><i>Levers, pulleys and gears and how they affect the force</i></p>
Year 6	Living things and their habitats	Animals including Humans	Evolution and Inheritance	Light	Electricity
	<p><i>Classification of different groups (micro-organisms, plants and animals) – detailed.</i></p> <p><i>Specific characteristics.</i></p>	<p><i>Main parts of body – circulatory system, heart, blood vessels.</i></p> <p><i>Impact of diet, exercise, drugs and lifestyle.</i></p> <p><i>Nutrients.</i></p> <p><i>Skeleton, muscles and digestive system (internal organs)</i></p>	<p><i>Living things adaptation from millions of years ago.</i></p> <p><i>Offspring are of same kind but they vary and not the same as their parents.</i></p> <p><i>Plants and animal adaptation.</i></p>	<p><i>Light appears to travel in straight lines.</i></p> <p><i>How eyes use light to see and how shadows are formed.</i></p> <p><i>Rainbows, colours, prisms.</i></p>	<p><i>Voltage of cell use in a circuit.</i></p> <p><i>Compare and give reasons to variations to how components function.</i></p> <p><i>Construct diagrams using correct symbols.</i></p>

