

Science Whole School Overview – 2021-2022

Year Group	Units of work					
EYFS	Understanding the world					
Year One	<p>Humans Identify, name, draw and label the basic parts of the human body and human senses</p> <p>Seasonal Changes</p>	<p>Materials Objects and what they're made of Describe, compare and sort everyday materials</p> <p>Seasonal Changes</p>	<p>Animals Name common animals Name carnivores, herbivores, omnivores Describe and compare the structure of a variety of common animals</p> <p>Seasonal Changes Animals</p>		<p>Plants Name basic parts— identify common plants</p> <p>Seasonal Changes</p>	
Year Two	<p>Materials Uses of materials Changing shape of materials</p>	<p>Animals Animals have offspring, basic needs for survival.</p>	<p>Plants Seed/bulb grow into plants. What plants need</p>	<p>Habitats Living and dead, describe habitats, basic food chains</p>	<p>Humans – Health and growth Basic needs for survival. Importance of exercise, food hygiene.</p>	
Year Three	<p>Rocks and Soils Group different rocks, how they are formed Fossils</p>	<p>Human Body Skeletons and muscles</p>	<p>Animals including Humans Need for right amount of nutrition</p>	<p>Plants Function - including how water is transported Life cycle of plants</p>	<p>Magnets Compare how magnets move on different surfaces. Group things based on magnetic properties</p>	<p>Light and Shadow Need for light to see. How shadows are formed - size.</p>
Year Four	<p>Living Things – Our Changing world Group living things, use classification keys. Change in environment can threaten life</p>	<p>State of matter Solids, Liquids, gases Change state, Evaporation/condensation</p>	<p>Sound How sound is made, travels. Pitch and volume</p>	<p>Electricity Simple circuits, Switches Conductors and insulators</p>	<p>Food Chains construct and interpret a variety of food chains, identifying producers, predators and prey.</p>	<p>Animals including Humans – Teeth and Digestion Basic function of digestive system. Teeth.</p>
Year Five	<p>Earth and Space Movement Earth, planets & moon. Night and day</p>	<p>Properties and changes of materials Dissolve, separating, reversible changes. Change that produce new materials</p>		<p>Our Changing world – Living things and their Habitats. Animal - different life cycles, reproduction in plants and animals</p>	<p>Animals Including Humans How humans change with age</p>	<p>Forces Gravity, air/water resistance, friction. Levers, pulleys and gears</p>
Year Six	<p>Living Things and Their Habitats Classifications including microorganisms, plants and animals.</p>	<p>Circulatory System Human circulatory system. Exercise, drugs and lifestyle.</p>	<p>Evolution and Inheritance Fossil Offspring different to parents. Animal adaptation— Evolution</p>	<p>Light Travels in straight lines, How light enables us to see. How shadows are formed - shape</p>	<p>Electricity brightness of lamp, volume of buzzer. symbols circuit diagrams.</p>	<p>Animals including Humans Impact of diet, exercise, drugs and lifestyle on their body function. How nutrients and water are transported.</p>

- Year 1 – Move plants to Autumn 1 to equip children with knowledge and vocab to discuss seasonal changes
- Year 2 – Move plants to Autumn 1 – Too long between y1 and y2 learning