

Year	Science Themes				
1	Plants <i>Naming plants and their basic structure.</i>	Animals (inc. humans) <i>Identify and name different types of animals.</i>	Everyday Materials <i>Name and identify a variety of everyday materials and their properties.</i>	Seasonal Changes <i>Observe changes across the 4 seasons including weather and day length.</i>	
Working Scientifically: <i>Question, observe, test, identify & classify, gather & record data</i>					
2	Living Things and their Habitats <i>Compare different habitat and how living things are suited to their habitat. Idea of a simple food chain.</i>	Plants <i>Observe how seeds and bulbs grow into mature plants. Describe how plants need light, water and a suitable temperature to grow.</i>	Animals (inc. humans) <i>Recognise that animal offspring grow into adults. Basic needs of animals & humans to survive. Importance of exercise diet and hygiene.</i>	Use of everyday Materials <i>Explore the suitability of everyday materials for their uses and how their shape can be changed by squashing, bending, twisting and stretching.</i>	
Working Scientifically: <i>Question, observe, test, identify & classify, gather & record data,</i>					
3	Plants <i>Describe functions of parts of flowering plants, plant growth, water transport in plants, plant life cycle.</i>	Animals (inc. humans) <i>Nutrition Skeletons and muscles.</i>	Rocks <i>Compare and group different types of rocks, recognise soils are made from rocks, describe how fossils are formed.</i>	Light <i>Know light is needed to see things, light is reflected, sunlight can be dangerous, shadows</i>	Forces and Magnets <i>Compare movement on different surfaces, different types of force, magnets and magnetism</i>
Working Scientifically: <i>Question, fair test, observe & measure, record and present findings, draw conclusions</i>					
4	Living Things <i>Classification Effect of Environmental Changes</i>	Animals (inc. humans) <i>Human Digestive System Teeth Food Chains</i>	States of Matter <i>Solids, Liquids, and Gases. Heating and Cooling Materials Water Cycle</i>	Sound <i>Associate sound with vibration Describe patterns of pitch and volume</i>	Electricity <i>Common electrical appliances, construct simple circuits and explain why/why not a lamp lights, common electrical conductors and insulators.</i>
Working Scientifically: <i>Question, fair test, observe & measure, record and present findings, draw conclusions</i>					

5	Living Things and their Habitats <i>Compare Life cycles of mammal, amphibian, insect, bird</i> <i>Reproduction in some plants and animals.</i>	Animals (inc. humans) <i>Describe changes as humans develop to old age</i>	Properties and changes of materials <i>Use properties to compare everyday materials, link properties to everyday uses through testing, dissolving, separating mixtures, reversible and irreversible changes</i>	Earth and Space <i>Movement of Earth and planets relative to the Sun, movement of Moon relative to Earth,, describe Sun, Earth and Moon as spherical, explain day and night using earth's rotation.</i>	Forces <i>Gravity, air resistance, water resistance, friction, levers and pulleys</i>
	Working Scientifically: <i>Plan different types of enquiry, measure, record in a wide range of ways, predict, compare, draw conclusions and explain findings</i>				
6	Living Things and their Habitats <i>Classification of Living Things</i>	Animals (inc. humans) <i>Human Circulatory System</i> <i>Impact of diet, exercise, drugs and lifestyle on the body</i> <i>nutrient and water transport in animals and humans,</i>	Evolution and Inheritance <i>Recognise that living things have changed over time, variance of offspring, adaptation</i>	Light <i>Link "light travels in straight lines" to how we see and shadow formation.</i>	Electricity <i>Link voltage of cells with how well lamp or buzzer works, compare variations in how components of a circuit work, use recognised symbols in a simple circuit diagram.</i>
	Working Scientifically: <i>Plan different types of enquiry, measure, record in a wide range of ways, predict, compare, draw conclusions and explain findings</i>				