

SCIENCE CURRICULUM PROGRESSION OVERVIEW

	Year 3	Year 4	Year 5	Year 6
Autumn Term 1	Forces and Magnets <ul style="list-style-type: none"> - Comparing different surfaces - attraction and repulsion - compare and group materials based on magnetism - understand poles 	Animals including Humans <ul style="list-style-type: none"> - Human digestive system - Teeth - Animal food chains 	Living Things and their Habitats <ul style="list-style-type: none"> - Plant reproduction – non-flowering plants, asexual and sexual reproduction - Animal lifecycles 	Animals including Humans <ul style="list-style-type: none"> - heart and circulatory system - healthy eating and lifestyle
Autumn Term 2	Light <ul style="list-style-type: none"> - recognise that light is needed to see - reflection - dangers of the sun and ways to protect ourselves - shadows and how they change 	States of Matter <ul style="list-style-type: none"> - Compare and group materials - Properties of solids, liquids and gases - Effects of heating and cooling - Evaporation, condensation and the water cycle 	Living Things and their Habitats continued Animals including Humans <ul style="list-style-type: none"> - human lifecycle - puberty 	Living Things and their Habitats <ul style="list-style-type: none"> - Classification of plants, animals and microorganisms, including drawing their own key - Recognising the features of plants, animals and microorganisms
Spring Term 1	Rocks and Soils <ul style="list-style-type: none"> - Compare and group rocks - Fossil formation - Understand the composition of soil 	Electricity <ul style="list-style-type: none"> - Identify appliances that run on electricity - Construct simple circuits (informal notation) - Understand switches - Identify conductors and insulators 	Light <ul style="list-style-type: none"> - Recognise that light travels in straight lines - How our eyes see objects - How light can be reflected, refracted and separated - Investigating shadows 	Evolution and Inheritance <ul style="list-style-type: none"> - Recognise how living things have changed over time and the information fossils give us - How offspring vary from their parents - Understanding the link between adaptation and evolution
Spring Term 2	Animals including Humans <ul style="list-style-type: none"> - Healthy eating and nutrition - Skeleton and muscles 	Sound <ul style="list-style-type: none"> - Understand sounds are made by vibrations - How sound travels - Pitch and volume 	Light – continued Earth and Space <ul style="list-style-type: none"> - Movement of planets in our solar system - Movement of the Moon relative to the Earth 	Properties and Changes of Materials (Recovery) <ul style="list-style-type: none"> - Compare and group materials based on their properties (hardness, solubility, transparency,

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			<ul style="list-style-type: none"> - What causes day/night and the seasons 	<ul style="list-style-type: none"> conductivity, response to magnets). - Dissolving and recovery - Separation (filtering, sieving, evaporation) - Testing uses of everyday materials <p>Reversible and irreversible reactions.</p>
Summer Term 1	<p>Plants</p> <ul style="list-style-type: none"> - Identify and describe the different parts of a plant - Requirements for growth - Water transportation - Growing plants 	<p>Living Things and their Habitats</p> <ul style="list-style-type: none"> - Grouping living things - Using classification keys to group and identify - Recognise the impact of changes to environment on living things 	<p>Properties and Changes of Materials</p> <ul style="list-style-type: none"> - Compare and group materials based on their properties (hardness, solubility, transparency, conductivity, response to magnets). - Dissolving and recovery - Separation (filtering, sieving, evaporation) - Testing uses of everyday materials - Reversible and irreversible reactions. 	<p>Electricity</p> <ul style="list-style-type: none"> - How brightness of a lamp/buzzer changes with voltage - Comparing and giving reasons for variations in component function - Using recognised symbols to draw circuit diagrams
Summer Term 2	<p>Plants</p> <ul style="list-style-type: none"> - Life cycle of flowering plants - Growing and observing plants 	<p>Plants</p> <p>Catch up and revisit from Year 3</p>	<p>Forces (Due to topic change between Yr5 and Yr6)</p> <ul style="list-style-type: none"> - Understanding gravity - Air resistance, water resistance and friction <p>Understanding levers, pulleys, gears and their effect</p>	<p>Forces (Due to topic change between Yr5 and Yr6)</p> <ul style="list-style-type: none"> - Understanding gravity - Air resistance, water resistance and friction - Understanding levers, pulleys, gears and their effect