



St. John the Evangelist – Progression in Science



Progression in Scientific knowledge, concepts & skills	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	KS3
Force and Magnets (Physics) <i>Working Scientifically</i>	<p>Explore and talk about different forces they can feel.</p> <p>Talk about the differences between materials and changes they notice.</p>	<p>Describe what they see, hear and feel whilst outside</p>			<p>Compare how things move on different surfaces (friction)</p> <p>Know how magnets attract/ repel some materials (two pole +/-) and make predictions</p> <p>Know that some forces need contact whereas magnetic forces can act at a distance</p>		<p>Know and explain gravity</p> <p>Identify the effects of air resistance, water resistance and friction</p> <p>Recognise that some mechanisms (gears, leavers, pulleys and springs) allow a smaller force to have a greater effect</p>		<p>Pressure in fluids</p> <p>Balanced forces</p> <p>Forces in motion</p> <p>Magnetism</p>



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					Compare and group magnetic/ non-magnetic materials				
Possible learning questions					Do you attract or repel?		Can you feel the force?		