



## Wordsworth Science Curriculum

KS2 Forces & Magnets			
Year 3 Autumn 1 and 2	Year 4	Year 5 Autumn 2	Year 6
Skills			
<ul style="list-style-type: none"><li></li></ul>		<ul style="list-style-type: none"><li><b>Planning an enquiry</b> e.g. force needed for lifting objects, including recognising and controlling variables where necessary</li></ul>	<ul style="list-style-type: none"><li></li></ul>
<ul style="list-style-type: none"><li></li></ul>		<ul style="list-style-type: none"><li><b>taking measurements</b> using force meters</li></ul>	
<ul style="list-style-type: none"><li><b>Make observations</b> e.g. observe how magnets attract or repel each other and attract some materials and not others</li></ul>		<ul style="list-style-type: none"><li><b>recording data</b> using tables, bar and line graphs</li></ul>	
<ul style="list-style-type: none"><li><b>Use enquiry results to make simple predictions</b> e.g. predict whether two magnets will attract or repel each other, depending on which poles are facing.</li></ul>		<ul style="list-style-type: none"><li><b>reporting and presenting findings</b> from enquiries, including conclusions and causal relationships</li></ul>	
Knowledge			
<ul style="list-style-type: none"><li><b>Compare</b> how things move on different surfaces</li><li><b>Notice</b> that some forces need contact between two objects, but magnetic forces can act at a distance</li><li><b>Compare</b> and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials <b>potentially outside</b></li><li><b>Describe</b> magnets as having two poles</li></ul>	<ul style="list-style-type: none"><li></li></ul>	<ul style="list-style-type: none"><li><b>Explain</b> that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</li><li><b>Identify</b> the effects of air resistance, water resistance and friction, that act between moving surfaces <b>partially outside</b></li><li><b>Recognise</b> that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</li></ul>	<ul style="list-style-type: none"><li></li></ul>