


<b>The Marist Primary School</b>	<b>Knowledge Organiser</b>	
Year 3 Autumn	<b>Key Question :</b> <b>How do magnets use force?</b>	

<b>Builds on and leads to...</b>	<b>Enquiry / Skills</b>	
Leads to understanding the effects of gravity, air resistance, water resistance and friction. They will later learn about mechanisms that allow small forces to have a greater effect.	<ul style="list-style-type: none"> <li>Ask relevant questions and use different types of scientific enquiries to answer them</li> <li>Set up simple practical enquiries and fair tests</li> <li>Making careful observations</li> <li>reporting on findings from fair tests</li> <li>using results to draw simple conclusions</li> </ul>	
<b>What will I know by the end of the unit?</b>	<b>Vocabulary</b>	<b>End of Unit Assessment Task</b>
<ul style="list-style-type: none"> <li>compare how things move on different surfaces</li> <li>notice that some forces need contact between 2 objects, but magnetic forces can act at a distance</li> <li>observe how magnets attract or repel each other and attract some materials and not others</li> <li>compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials</li> <li>describe magnets as having 2 poles</li> <li>predict whether 2 magnets will attract or repel each other, depending on which poles are facing</li> </ul>	<b>Force</b>	A push or pull on an object which can cause it to move, change speed, direction or shape. Measured in Newtons (N).
	<b>Magnet</b>	A material or object that produces a magnetic field. It attracts or repels magnetic objects, including iron.
	<b>Contact force</b>	A force that requires physical contact to occur e.g. kicking a ball.
	<b>Attract</b>	To pull towards. Opposite of repel.
	<b>Repel</b>	To push away. Opposite of attract.
	<b>Propel</b>	The act of driving or pushing forward.
	<b>Friction</b>	The resistance of motion when one object rubs against another. Friction causes objects to slow down and the energy becomes heat.
		<ul style="list-style-type: none"> <li>Children are able to suggest uses for different types of magnets and justify their reasoning.</li> </ul>

<b>Diagrams / Maps / Images</b>	
