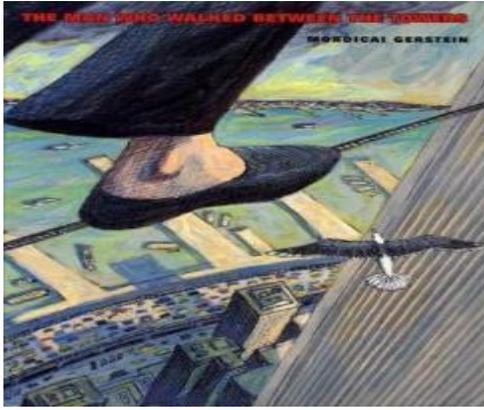


# Year 3: What materials are attracted to a magnet?

Subject Specific Vocabulary		Interesting Book	Sticky Knowledge about our rocks and magnets
<b>friction</b>	A force that acts between two surfaces or objects that are moving.		<p><b>Sticky Knowledge about our rocks and magnets</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> The Earth is a very big magnet. Its North and South poles are highly magnetic.</li> <li><input type="checkbox"/> A magnet always has north and south poles. Cutting a magnet in half makes two magnets, each with two poles</li> <li><input type="checkbox"/> Magnets only attract certain types of metals, other materials such as glass, plastic and wood aren't attracted.</li> <li><input type="checkbox"/> Forces control most of the things on our planet from walking your dog to flying an aeroplane</li> <li><input type="checkbox"/> If two forces are equal to each other then an object will not move but it could change shape</li> <li><input type="checkbox"/> Gravity is the force that pulls everything down to earth</li> <li><input type="checkbox"/> Pressure is another type of force that pushes down on something.</li> </ul>
<b>surface</b>	The top layer of something		
<b>magnet</b>	An object that produces a magnetic force to pull certain objects towards it.		
<b>magnetic</b>	Objects that are attracted to a magnet are magnetic. Objects containing iron, nickel or cobalt are magnetic		
<b>magnetic field</b>	The area around a magnet which allows certain objects to be pulled towards it.		
<b>poles</b>	North and South poles are found at different ends of a magnet	<p><b>Important facts to know by the end of the Forces and Magnets topic:</b></p> <ul style="list-style-type: none"> <li>• Objects move differently on different surfaces.</li> <li>• Magnetic fields vary in size depending on the type of magnet.</li> <li>• Not all metallic objects are attracted to magnets</li> <li>• Different surfaces create different amounts of friction depending on the roughness of the surface and the force applied.</li> <li>• A force will change the motion of an object.</li> <li>• Magnets have two poles ( North and South)</li> </ul>	
<b>repel</b>	Repulsion is a force that pushes objects away. For example when a north pole of a magnet is placed near another north pole of a magnet, they push away from each other		
<b>attract</b>	Attraction is a force that pulls objects together. For example when a north pole of a magnet is placed near a south pole of a magnet the two poles attract ( pull together)		
<b>forces</b>	Pushes or pulls		