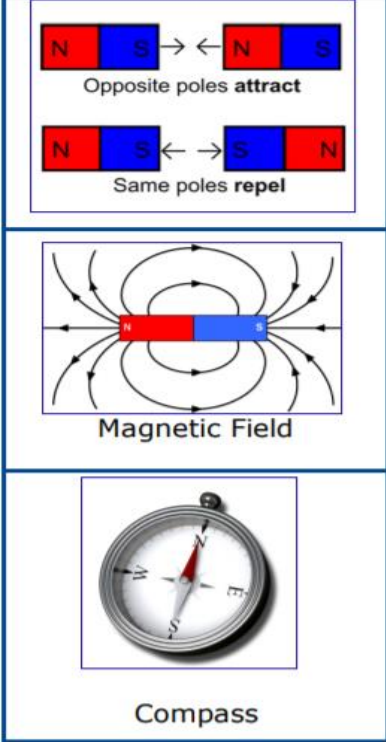


# Year 3: Forces and Magnets Knowledge Mat

Subject Specific Vocabulary		Magnets & Forces	Important Knowledge
<b>force</b>	An object will be caused to move or stop when a force acts on it. Pushes and pulls are forces.	 <p>Opposite poles <b>attract</b></p> <p>Same poles <b>repel</b></p> <p>Magnetic Field</p> <p>Compass</p> <p>It is easier to pull or push things along smooth surfaces than rough ones</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I know that forces are pushes and pulls which can make things move, stop or change shape.</li> <li><input type="checkbox"/> I know how the movement of an object can be affected by the surface that it is travelling on.</li> <li><input type="checkbox"/> I can use a magnet to sort objects.</li> <li><input type="checkbox"/> I know some objects that are magnetic and some objects that are not magnetic.</li> <li><input type="checkbox"/> I know that magnets have two poles - a North and a South.</li> <li><input type="checkbox"/> I know that opposite poles attract, and the same poles repel.</li> </ul> <p><b>Working Scientifically:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> I can ask questions and use different types of scientific enquiries to answer them.</li> <li><input type="checkbox"/> I can set up simple practical enquiries, comparative and fair tests.</li> <li><input type="checkbox"/> I can use results to draw simple conclusions, make predictions, suggest improvements and raise further questions.</li> <li><input type="checkbox"/> I can record findings using simple scientific language, drawings, labelled diagrams, and tables.</li> <li><input type="checkbox"/> I can make careful observations and accurate measurements.</li> </ul>
<b>friction</b>	The force when two surfaces slide or try to slide across each other.		
<b>magnet</b>	A piece of iron or other material which shows properties of magnetism. Magnets attract other iron-containing objects.		
<b>magnetic force</b>	The power of a magnet to attract or repel objects which contain iron. This happens without the magnet touching the object.		
<b>gravity</b>	The force that pulls things to the centre of Earth.		
<b>attract</b>	The force which means an object is moved toward a magnet.		
<b>poles</b>	Either end of the magnet. There is a north pole and a south pole.		
<b>repel</b>	The force which means an object is pushed away from an object.		
<b>surface</b>	The outside or top layer of something.		
<b>iron</b>	A common metal.		