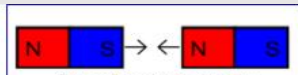
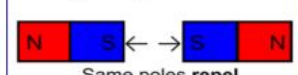
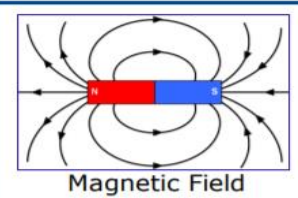





Year 3: Forces and Magnets Knowledge Mat

Subject Specific Vocabulary		Magnets	Important Knowledge
friction	The force when two surfaces slide or try to slide across each other.	<div></div> <div></div> <div></div> <div></div>	<div><input type="checkbox"/> I can compare how things move on different surfaces.</div> <div><input type="checkbox"/> I know that some forces need contact between two objects, but magnetic forces can act at a distance.</div> <div><input type="checkbox"/> I can describe how magnets attract or repel each other.</div> <div><input type="checkbox"/> I know that magnets have two poles.</div> <div><input type="checkbox"/> I can predict whether two magnets will attract or repel each other, depending on which poles are facing.</div> <div><input type="checkbox"/> I know that magnets can attract some materials and not others.</div> <div><input type="checkbox"/> I can compare and group materials.</div>
force	An object will be caused to move or stop when a force acts on it. Pushes and pulls are forces.		
surface	The outside or top layer of something.		
magnet	A piece of iron or other material which shows properties of magnetism. Magnets attract other iron-containing objects.		
magnetic force	The power of a magnet to attract or repel objects which contain iron. This happens without the magnet touching the object.		
attract	The force which means an object is moved toward a magnet.		
repel	The force which means an object is pushed away from an object.		
iron	A metal which is attracted to magnets.	Friction	
steel	A hard metal which is made of iron and other elements.	<div>It is easier to pull or push things along smooth surfaces than rough ones</div> <div></div>	
poles	Either end of magnet. There is a north pole and a south pole.		