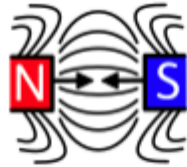




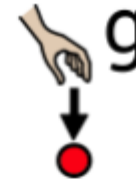
Magnet



Attract



Movement



Gravity



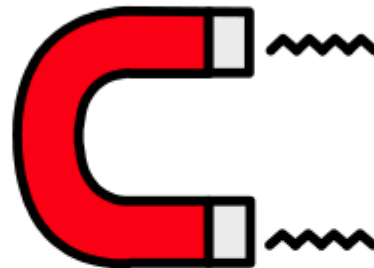
Distance



pull



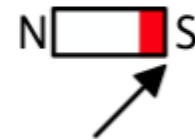
Non
magnetic



Magnets and forces



Repel



South pole



Repel



Air resistance



Aerodynamic

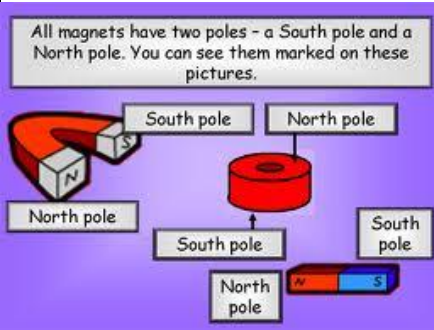







Compass



North pole

Science - Forces and Magnets: Y3 Topic

Subject Specific Vocabulary		Relevant Pictures	Exciting Books/Websites
gravity	The name for a force that pulls everything down toward the centre of the Earth. Gravity also pulls any object with mass toward each other. E.g. the Earth and the Moon or the Moon and the Sun.		  <p>https://www.bbc.co.uk/bitesize/topics/znmmn39</p> <p>https://classroom.thenational.academy/units/magnetism-084a</p>
friction	Friction is a force between two surfaces that are sliding, or trying to slide , across each other. Friction always works in the direction opposite to the direction in which the object is moving, or trying to move. Friction always slows a moving object down.		<p>Other Information</p> <ul style="list-style-type: none"> One end of a 'bar' magnet is a north pole and the opposite end is a South Pole. A compass has a tiny bar magnet in it and it works in the same way, so that explorers can find their way. The North Pole of one magnet will attract and stick to the South Pole of another magnet.  
air resistance	Air resistance is a type of friction between air and another material . For example, when an aeroplane flies through the air, air particles hit the aeroplane making it more difficult for it to move through the air		
magnetic	Magnetism is the force of attraction or repulsion* between substances made of certain materials, such as iron, nickel, cobalt, and steel.		<p>Key Knowledge</p> <ul style="list-style-type: none"> Friction affects the way that things move on different surfaces. Some forces need contact between two objects, but magnetic forces can act at a distance. Magnets attract or repel each other, and attract some materials and not others. Magnets have a North and South pole. Two magnets will attract or repel each other, depending on which poles are facing.
repel	To push back or away by a force, as one body acting upon another (opposed to attract): The north pole of one magnet will repel the north pole of another.		
attract	To draw near or closer by a physical force (opposed to repel): The gravitational force of the earth attracts smaller bodies to it .		
poles	<p>Either of the two points of a magnet where the lines of magnetic force meet and are strongest.</p> <p>Either of two areas on the earth's surface, one near the geographic north pole and one near the geographic south pole, where the Earth's magnetic fields are strongest. A compass needle points to the magnetic north pole.</p>	<p>What I've Learnt Already</p> <p>Y1:</p> <ul style="list-style-type: none"> I can identify and name a variety of everyday materials, including metal. I can describe the simple physical properties of a variety of everyday materials. I know how the properties of a material can make it useful for a range of different purposes. 	