Topic: For	c <mark>es and Magnets</mark> Yea	r: 3	Strand: Physics	
What should I already know?		W	What will I know by the end of the unit?	
 Similarities and differences between common, everyday objects (EYFS) Describe the simple physical properties of a variety of everyday materials (Year I) Compare and group together a variety of everyday materials on the basis of their physical properties (Year I) The shape of some materials can be changed when they are stretched, twisted, 		arie- forces?	 Forces are pushes and pulls. These forces change the motion of an object. Forces make objects move, speed up, slow it down or even stop. 	
		How do differ-	 Forces act in opposite directions to each other. When an object moves across a surface, friction acts as an opposite force. Friction is a force that slows down 	
Vocabulary		affect		
attract	when one object pulls towards and	ther motion	the motion of an object. motion of an abjects slaw dawn	
friction	when there is contact between two faces	sur- of an object?		
force	the pulling or pushing effect that something has on something else			
gravity	the force which causes things to . to the ground	lrop		
magnet	a piece of iron or other material w attracts magnetic materials towar it	ds mag-	•Magnets have an area of force around them called a magnetic	
magnetic field	an area around a magnet where yo can feel the force	nets work?	field. •When objects enter the magnetic	
metal	a hard substance such as iron, s gold, or lead	teel,	field, they will be attracted or re- pelled if they are magnetic.	
motion	changing position or moving place	as	•When magnets repel , they push each other away	
non- magnetic	an object that is not magnetic		•When magnets attract , they pull to- gether.	
opposite	things of the same kind which are completely different. (e.g. north an south poles are opposite direction	d mate-	 Objects that are magnetic, are at- tracted to magnets. Iron and steel are magnetic. 	
position	where something is in place	are	•Aluminium and copper are non -	
pull	use force to move something towar you	ds netic?		
push	use force to move something away you	from How do mag- netic	The ends of a magnet are called poles.	
re- sistance	a force which slows down a movin. object or vehicle		•One end is called the north pole and the other end is called the	
repel	when magnets push away from eac other		 south pole. Opposite poles attract (pull together) If you place magnets so the same poles face each other, the magnets will move away from each other. They repel. 	
surface	the flat top part of something or t outside of it	he		