Topic: Magnets				Strand: Physics		Year 3				
Working Scientifically										
Ask relevant questions	<b>Set up</b> simple enguiries	Make careful observations	Gather, record and classify data	Record & report findings	Use results to draw simple conclusions	e <b>Identify</b> differences and similarities or	Use scientific evidence answer questions & supp			
	,					changes	findings			

What I should already know		Key Vocab	ulary		
• That ther	re are opposing forces (push and pull)				
Key Vocabula	ıry	Friction	A force that acts between two surfa objects that are moving or trying to		
Magnet	An object which produces a magnetic force that pulls	Forces	across each other		
	certain objects towards it,	surface	The top layer of sor	nethina	
Magnetic	Objects which are attracted to a magnet are magnetic. Objects containing iron, nickel or cobalt metals are magnetic	Magnetic	Non-m	agnetic X	
Magnetic Field	The area around a magnet where there is a magnetic force which will pull magnetic objects towards the magnet.				
poles	North and South poles are found at different ends of a magnet	These objects con cobalt. Not all me	tain iron, nickel or tals are magnetic.	These objects do not Itain iron, nickel or col	
repel	Repulsion is a force that pushes objects away. For example, when a north pole is placed near the north pole of another magnet, the two poles repel (push away from each other)	Pushes	Pulls		
attract	Attraction is a force that pulls objects together. For example, when a north pole is placed near the south pole of another magnet, the two poles attract (pull together)	They will	Forces will change the motion either make it start to move, or even make it star	n of an object. speed up, slow it dow	

What I will I	know by the e		
Friction	Different sur		
	friction. The		
	moving over a		
	the surface o		
	them		
	Grass		
	01035		
Forces	Pushes		
	Fo They will ei		
Magnetic	Not all mater		
materials	iron, nickel or		
	magnetic.		
Magnetic	A magnetic f		
Poles and	and a south p		
fields	repel		

## end of the unit

rfaces create different amounts of a amount of friction created by an object a surface depends on the roughness of and the object and the force between





orces will change the motion of an object. either make it start to move, speed up, slow it down or even make it stop.

rials are magnetic. Objects that contain r cobalt are magnetic. Not all metals are

field is invisible. There is a north pole pole. Like poles repel and opposite pole