## Year 3—forces and magnets

New Vocabulary		Magnets
Attract	Come together	Magnets have two ends. We call these poles— <b>magnets have 2 poles</b> . One end of the magnet is called the North Pole and the other is called the South Pole.
Repel	Force away	
Pole	The end of a magnet	
Magnetic materials		Opposite ends of magnets attract. North attracts South and the South attracts the North.
We say that some materials are magnetic. This means that they are attracted to a magnet.		The same end of a magnet will repel the other. This means that they will push each other away, like this:
Magnetic forces can act at a distance—the magnet does not have to be right next to the material to have an effect on it.		
Here are some examples of magnetic materials:		Magnets come in different forms, but they all have North and South poles:
• Iron		
<ul><li>Steel</li><li>Nickle</li></ul>		
We can find magnetic objects in the classroom. For example:		
Paperclips		
• Table le	egs	<u>Forces</u>
Scissors		When we put an object on 2 different surfaces, they will move in a different way. For example, if we push a toy car on a shiny surface, it will move quicker than if we pushed it when it was on carpet. Even though we pushed with the same amount of force, the surface material will give a different outcome.
How many more can you find?		
Forces		
When we push and pull things, we are putting a force on them. When we let go, they return to their original form Look at this spring:		Try pushing a toy car on different surfaces and see which it goes quicker on. Time it with a stopwatch.