

## Science - Forces and Magnets



Key Vocabulary		Key Knowledge
forces friction	Pushes or pulls.  A force that acts between two	Different surfaces create different amounts of friction. The amount of friction created by an object moving over a surface depends on the roughness of the surface and the object, and the force between them.
	surfaces or objects that are moving, or trying to move, across each other.	The driving force pushes the bicycle, Slowing
surface	The top layer of something.	making it move.
magnet	An object which produces a magnetic force that pulls certain objects towards it.	Gravel Road Grass Sand
magnetic	Objects which are attracted to a magnet are magnetic. Objects containing iron, nickel or cobalt metals are magnetic.	Pulls Magnetic Non-magnetic X
magnetic field	The area around a magnet where there is a magnetic force which will pull magnetic objects towards the magnet.	Forces will change the motion of an object. They will either make it start to move, speed up, slow it down cobalt. Not all metals are magnetic.
poles	North and south <b>poles</b> are found at different ends of a magnet.	or even make it stop.
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).	Like poles repel. Opposite poles attract.  A magnetic field is invisible.
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	You can see the magnetic field here though. This is what happens when iron filings are placed on top of a piece of paper with a magnet underneath.

with a magnet underneath.

two poles attract (pull together).