## Forces and Magnets Knowledge Organiser

## Forces:

Key Vocabula	ry	Key Knowledge
forces	Pushes or pulls.	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
friction	A <b>force</b> that acts between two <b>surfaces</b> or objects that are moving, or trying to move, across each other.	surface and the object, and the force between them.   The driving force pushes the bicycle,   pushes the bicycle,
surface	The top layer of something.	making it move. it down.
Pushes Pulls		Grass Sand
Forces will change the motion of an object. They will either make it start to move, speed up, slow it down or even make it stop.		

<u>Magnets:</u>

Key Vocabulary		
magnet	An object which produces a magnetic force that pulls certain objects towards it.	
magnetic	Objects which are <b>attracted</b> to a <b>magnet</b> are <b>magnetic</b> . Objects containing iron, nickel or cobalt metals are <b>magnetic</b> .	
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 <b>poles</b> are found at different ends of a magnet.	
repel	<b>Repulsion</b> is a <b>force</b> that pushes objects away. For example, when a north <b>pole</b> is placed near the north <b>pole</b> of another <b>magnet</b> , the two <b>poles repel</b> (push away from each other).	
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).	

