

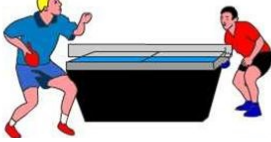


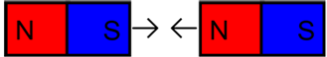
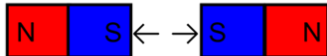
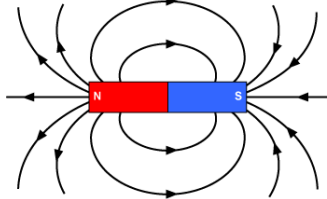



Knowledge Organiser Science Year 3 Forces and Magnets

Forces can make things.....	
Change shape	
Change speed	
Change direction	
Friction	
It is easier to pull or push things along smooth surfaces than rough ones	
	

Magnets
 <p>Opposite poles attract</p>  <p>Same poles repel</p>
 <p>Magnetic Field</p>
 <p>Compass</p>

Key Vocabulary	
Attract	To pull towards
Compass	A device for finding directions by means of a magnetic needle pointing to the magnetic north
Contact force	Forces that act when two or more objects touch each other, eg friction
Force	A push or a pull
Friction	The force that acts when two objects touch each other. It is a contact force
Magnetic field	The area around a magnet in which there is magnetic force
Magnetic	The pushing or pulling force that acts between two magnets or between a magnet and magnetic materials
Non-contact force	Forces that do not need contact. They can act at a distance, eg magnetic force
Pole	The end of a magnet where the magnetic field is the strongest
Repel	To push backwards

Magnetic Materials			
Iron	Nickel	Steel	Stainless steel
			