

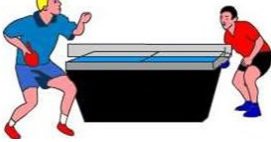


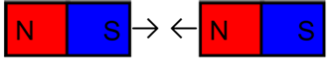
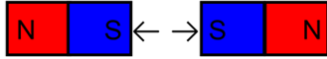
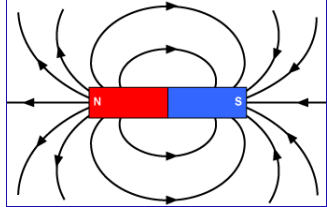



Knowledge Organiser Science Year 3 Forces and Magnets

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
 Opposite poles attract
 Same poles repel
 Magnetic Field
 Compass

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
			