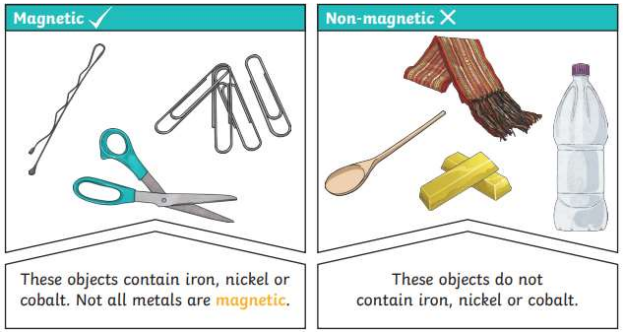
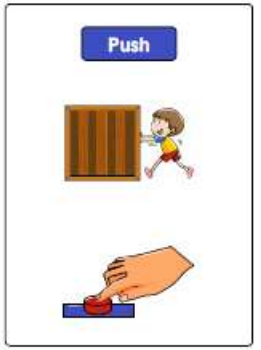
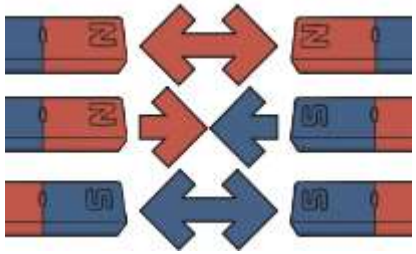
LKS2 Knowledge Mat- Forces and Magnets

Subject Specific Vocabulary	
Attract	To pull towards
Contact	When objects touch
Different	Not the same
Distance	The length between two objects
Force	A push or pull that acts upon an object that can cause it to move, change shape or change direction.
Friction	The force that acts upon one surface when it moves against another.
Magnet	A piece of iron that attracts or repels
Magnetic force	When a magnet pulls objects towards it or pushes objects away.
Magnetic pole	Each end of the magnet where the force is the strongest.
Pull	To move something towards.
Push	To move something away.
Repel	To push away.







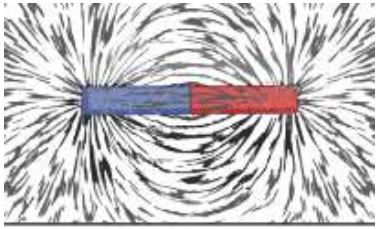


Sticky Knowledge

- ❑ I know that different surfaces create different amounts of friction depending on the roughness or smoothness.
- ❑ I know that forces will change the motion of an object.
- ❑ I know that like poles repel and opposite poles attract.
- ❑ I know the properties of objects which are attracted to magnets.
- ❑ I know that not all metals are magnetic.

Important facts to know by the end of the Science topic:

-Know about and describe how objects move on different surfaces
-Know how a simple pulley works and use one to lift an object
-Know how some forces require contact and some do not, giving examples
-Know about and explain how magnets attract and repel
-Predict whether magnets will attract or repel and give a reason



A magnetic field is invisible. 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.



The needle in a compass is a magnet. A compass always points north-south on Earth.

