

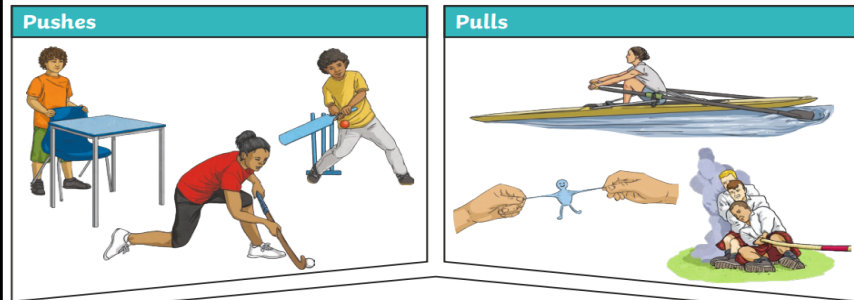
What do I already know

Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

What I will know in this unit

Forces

- ⇒ A force is a push or pull that acts upon an object.
- ⇒ We can't see forces, but they are an important part of our everyday lives.
- ⇒ We push and pull objects to do many different things.
- ⇒ When we push or pull objects, we can move the object, change the object's shape, or make the object change direction.



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.

Magnets

south magnetic pole



north magnetic pole

- ◇ Magnets are usually made from iron.
- ◇ They can attract and repel other objects with their magnetic forces.
- ◇ Magnetic forces act at a distance meaning that a magnet does not need to be in contact with another object for the magnetic forces to act.
- ◇ Magnets can be lots of different shapes, sizes and colours, but they will always have a north and south magnetic pole.



Year 3
Science
Summer 2
Forces and
Magnets

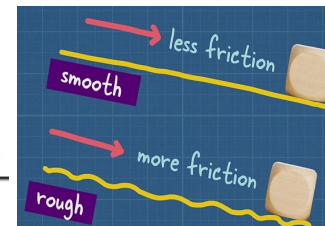
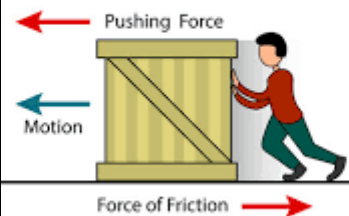
Non-magnetic



Magnetic



These objects contain iron, nickel or cobalt. Not all metals are magnetic.



Vocabulary

Word	Definition
attracts	To pull to or draw towards.
force	A force is a push or pull on an object.
magnet	A magnet is a rock or a piece of metal that can pull certain types of metal toward itself.
magnetic	If an object is attracted to a magnetic.
material	The matter from which a thing is or can be made.
North pole	All magnets have two poles, the north pole is one of these poles. These poles are in different places depending on the shape of the magnet.
repel	To push back or away by a force. The north pole of one magnet will repel the north pole of another.
south pole	All magnets have two poles, the south pole is one of these poles. These poles are in different places depending on the shape of the magnet.
surface	The outside part or upper layer of something.
friction	Whenever two objects rub against each other, they cause friction.

South and South **attract**.
North and North **attract**.
North and South **repel**.

