

Forces Knowledge Organiser

Key Vocabulary

attract	A force that pulls objects together.	magnetic field	The area around a magnet where the magnetic force works.
forces	Pushes and pulls.	pole	North and south poles are found at different ends of a magnet.
friction	The force that acts between two surfaces moving or trying to move across each other.	pull	A force that moves something towards something else.
horseshoe magnet	A magnet in the shape of a horseshoe (U).	push	A forces which moves something away from something else.
magnet	An object which produces a magnetic force that pulls magnetic objects towards it.	repel	A force that pushes objects away.
magnetic	Objects that are attracted to a magnet – iron, nickel, cobalt metals are magnetic.	surface	The top layer of something.

Key Facts

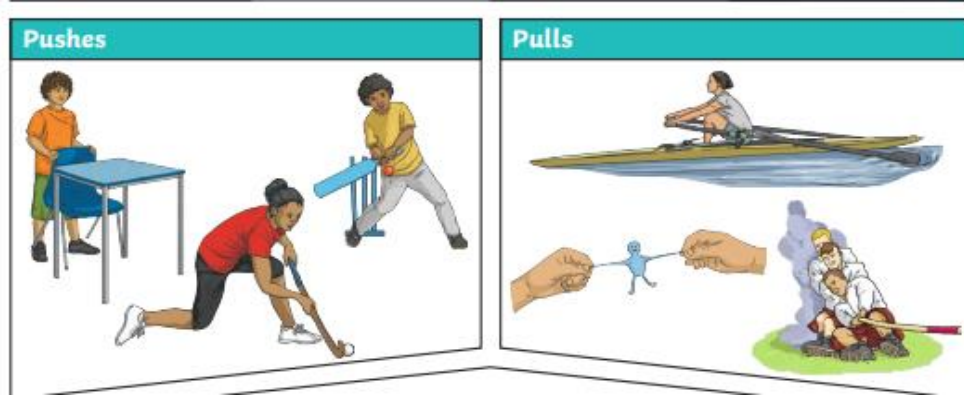
Different surfaces create different amounts of friction. The amount of friction created by an object depends on the roughness of the surface and the force between them.

Forces will change the motion of an object. They can change the speed and direction of an object.

On a magnet, poles that are the same repel, poles that are opposite attract.

The needle of a compass is a magnet. It is attracted to the magnetic north pole of the Earth and so points to north.

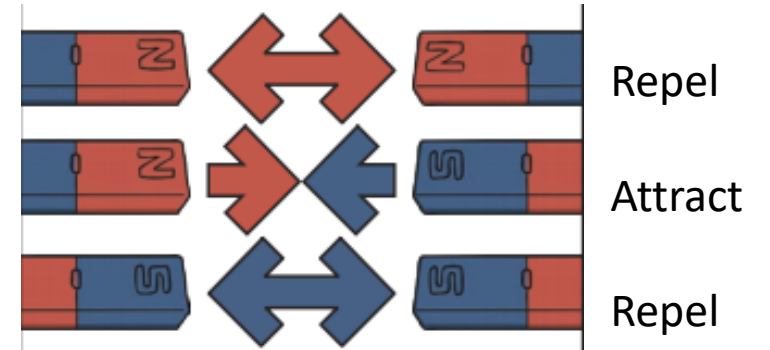
Forces



Compass



Magnetic poles



Magnetic ✓

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

Non-magnetic ✗

These objects do not contain iron, nickel or cobalt.

Tier 2 Vocabulary
