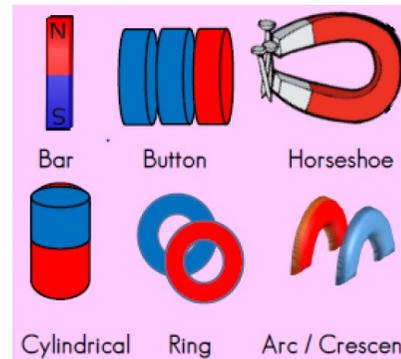
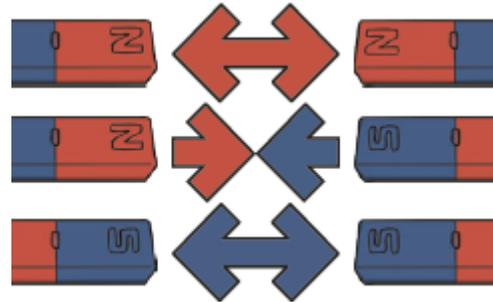




Key Vocabulary

Force	Pushes or pulls.
Friction	A force that acts between two surfaces or objects that are moving, or trying to move, across each other.
Surface	The top layer of something.
Magnet	An object that produces a magnetic force that pulls certain objects towards it.
Magnetic	Objects which are attracted to a magnet are magnetic.
Magnetic field	The area around a magnet where there is a magnetic force which will pull magnetic objects towards the magnet.
Poles	North and south poles are found at different ends of the magnet.
Attract	Attraction is a force that pulls objects together.
Repel	Repulsion is a force which pushes objects away from each other.



Resources	Safety Cards
<ul style="list-style-type: none"> Magnets (range of types) Ramps (with different surfaces) and cars Range of metal objects 	Card 22 - Forces Card 23 - Forces Card 24 - Forces

What key knowledge will I have by the end of this unit?
<ul style="list-style-type: none"> What is friction? Compare how things move on different surfaces. Magnets exert attractive forces on some materials. These materials are called magnetic. The force is non-contact and acts through many materials. All magnets have a north and south pole. Like poles repel and opposite poles attract. Magnets exert attractive and repulsive forces with other magnets. Magnetic forces are affected by the strength of the magnet, the distance from object, type of material it is acting through.

What key skills will I have by the end of this unit?
<ul style="list-style-type: none"> Safety in science Science equipment - measuring tape Fair test, control variables, observations, accurate measurements, recording data, simple conclusions, improvements - friction and magnets Labelled diagrams - magnets

In KS1:	In Year 3:	In Year 4:	In Year 5:	In Year 6
				<ul style="list-style-type: none"> Investigating gravity, air resistance and water resistance.