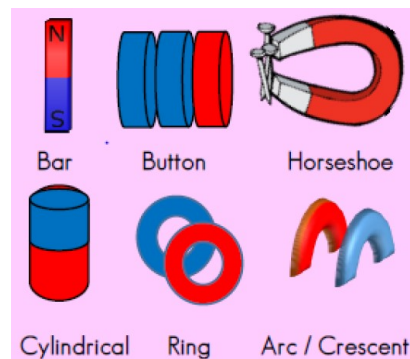
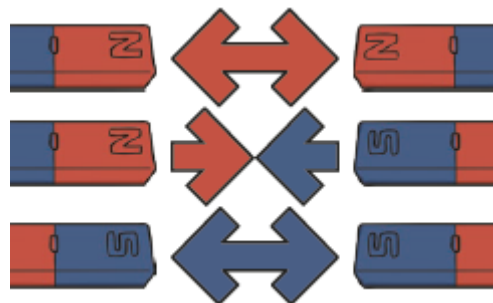


# Science - Forces Year 3 - Summer 1

## 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

- Magnets (range of types)
- Ramps (with different surfaces) and cars
- Range of metal objects

## Safety Cards

Card 22 - Forces  
Card 23 - Forces  
Card 24 - Forces

## What key knowledge will I have by the end of this unit?

- 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?

- 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"> <li>• Investigating gravity, air resistance and water resistance.</li> </ul>