

Types of forces (Contact):

A contact force occurs when two objects physically touch

Push



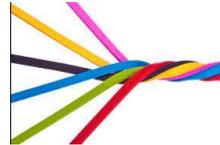
To put force on an object to often move it away.

Pull



To put force on an object to often move bring it closer.

Twist



To rotate an object, a combination of push and pull forces.

Types of forces (Non-contact):

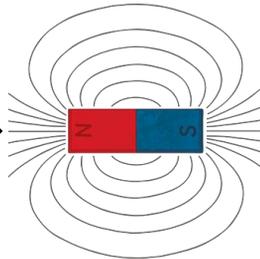
A force that acts on an object without touching it

Gravity



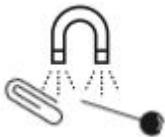
A force generated by earth.

Magnets



All magnets have a **North** and **South** pole.
All magnets have a magnetic field which cannot be seen by humans.

Magnetic materials:



Iron

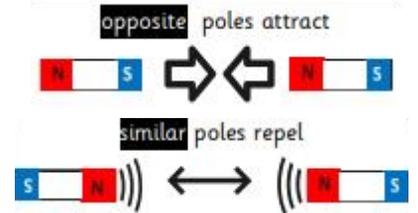
Steel

Non-magnetic materials:



Aluminium

Copper

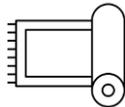


How forces are affected:

Surfaces change how objects move over them

High resistance

Carpet



Sandpaper



Low resistance

Grass



Wood



Friction: is the force that stops things from moving

Resistance: is a force that slows down an object that is moving

Vocabulary Tier 2

- Push
- Pull
- Twist
- Surfaces
- Magnets



THINK IT.



LIVE IT.



BELIEVE IT.

Vocabulary Tier 3

- Resistance
- Friction
- Gravity
- Magnetic Fields
- Poles