

# Spring 2 - The Iron Man

## Key Knowledge/ Interesting facts

Magnetism is a type of force. A magnet might pull an object towards it or push it away..

Sir Isaac Newton was one of the first scientists to study gravity and force.. He founded three laws. Law 1: if an object is in motion, it will stay in motion. Law 2: if a force acts upon a body, it will change the speed or direction. Law 3: for every force, there is an equal reaction.

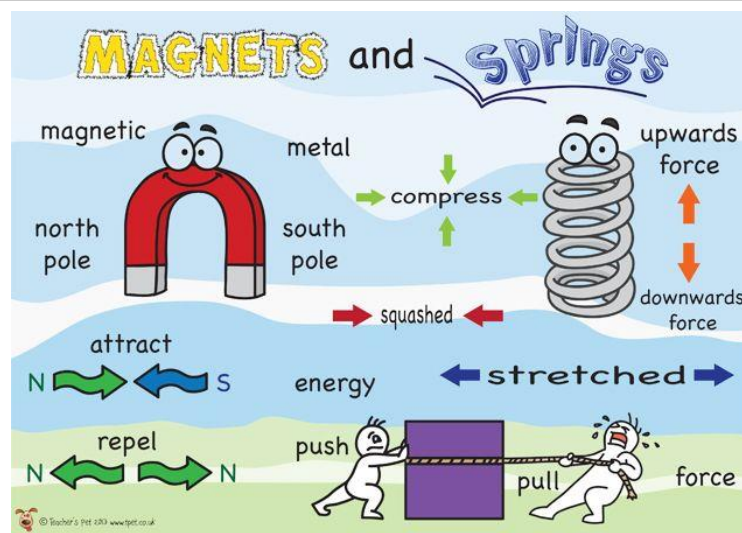
A force is a push or pull. It can make something start to move, slow down or speed up, change direction or change shape or size.

The bigger the force, the more powerful it is.

Amazingly, springs and elastics are types of forces. If you push against them they will resist, and then they spring back with the exact same amount of force given.

Gravity force pulls objects together. Gravity force keeps the earth going around the sun..

## Topic Specific



### Links

- Explore Sir. Isaac Newton
- Exploration into forces as pushes and pulls.
- Investigate magnets which repel and attract to one another working from a distance.
- Compare different materials as to whether they are magnetic or not.

### WOW for Topic

Visit to the Iron Men at Crosby beach

### Links within curriculum

- KSI and KS2 - Linkages and Levers
- Year 5 - Forces

## Vocabulary

## Definition

Movement

An act of moving.

Accelerate

Begin to move more quickly.

Decelerate

Begin to slow down.

Law

Lean or turn away from a given plane or direction.

Attract

To exert a force on an object.

Magnetic

A force caused by an electric charge which attracts or repulse magnetic objects.

Attraction

A force under the influence objectives moving towards each other.

Repulsion

A force which causes objects to move away from each other.

Force

A push or a pull on an object.

Linkage

The action of linking.

Lever

A lift or move with a lever.

Mechanism

A system of parts working together.

