



### Vocabulary

**Forces**- changes the motion of an object. Pushes and pulls in a particular direction.

**Gravity**- a force which pulls things towards the centre of the Earth. Discovered by Sir Isaac Newton.

**Push**- force which causes movement away from something.

**Pull**- force which causes movement towards something.

**Contact force**- requires contact to happen.

**Non-contact force**- doesn't require contact.

**Attract**- causes something to move towards.

**Repel**- causes something to move away.

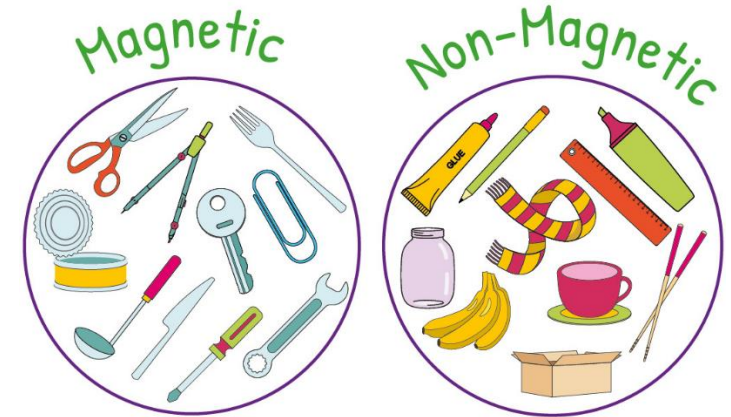
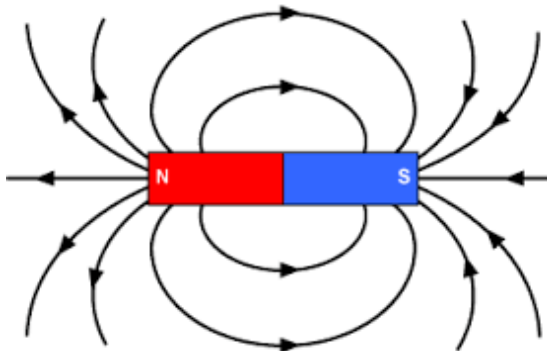
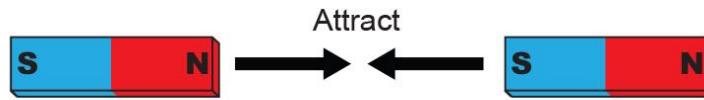
**Poles**- Magnets have a North and South Pole.

**Magnetic field**- magnets electric charge



An English mathematician, physicist, astronomer and author who is famous for his laws of motion, theory of colour and the discovery of gravity. Gravity is measured in Newtons (N)

### Magnets and magnetic fields



Friction is a force between two surfaces that are sliding, or trying to slide, across each other. For example, when you try to push a book along the floor, friction makes this difficult.

