



Year 3 Science - Forces in action (physics)

Knowledge and skills
Empower
You to
Succeed

Cronton CE Primary School

Keys to
Success

Autumn Term

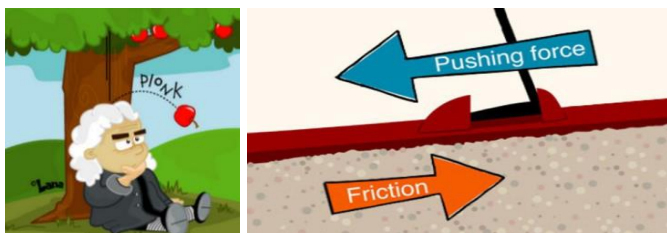


Knowledge



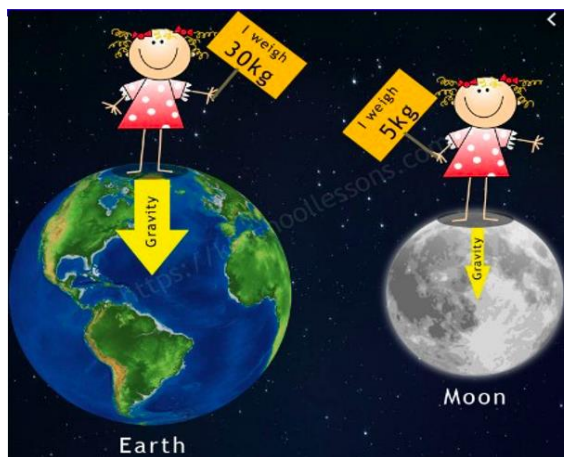
Vocabulary

- Magnetic force does not contact.
- Magnets have two poles, north and south which attract and repel each other.



- Magnetism and gravity are non-contact forces meaning they can move objects without contact.
- Gravitational force pulls objects towards the centre of the Earth.

- Force is measured in Newtons.
- Isaac Newton was a famous scientist who this was named after.
- Mass is the amount of matter a body contains.
- Weight is a measure of the force with which a body is pulled towards the centre of the Earth.
- Friction is the resistance that one surface or object encounters when moving over another.
- Air resistance is a force that is caused by air with the force acting in the opposite direction to the movement of an object.



Force - a push or pull on an object.

Gravity - a force that attracts an object towards the centre of the Earth.

Friction - the resistance that one surface or object meets when moving over another.

Gears - a wheel with teeth that can change the speed or direction of a movement.

Lever - a rigid bar resting on a pivot that can lift a heavy weight.

Prediction - an intelligent guess as to the results of your investigation.

Conclusion - a summary of your investigation.

Variable - anything in an enquiry that can be changed or measured.