



What I remember from Y3:

- Forces are pushes and pulls
- When an object moves on a surface, the texture and surface of the object affect how it moves
- A magnet attracts magnetic materials.

Y5 Science: Forces

Sir Isaac Newton
Lincolnshire scientist who developed the theory of gravity and laws of motion.

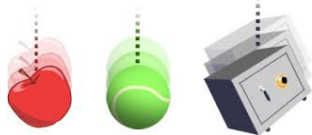


A **force** causes an object to start moving, stop moving, speed up, slow down or change direction.

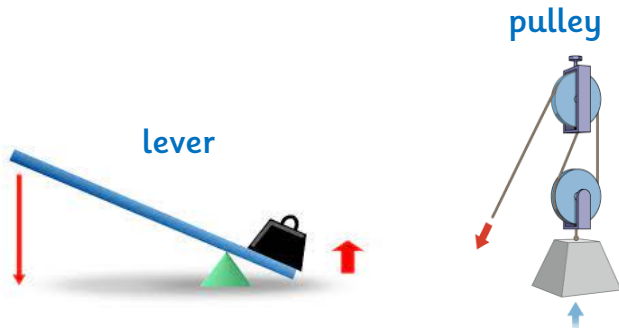
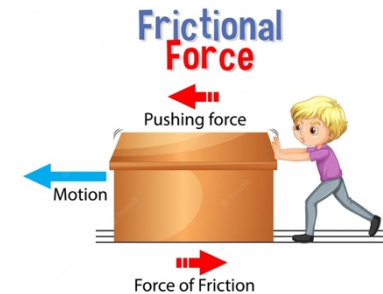
Gravity is a force that acts at a distance. Everything is pulled to the Earth by gravity.



Gravity causes unsupported objects to fall.



Air resistance, water resistance and **friction** are contact forces that act between moving surfaces. The object may be moving through the air or water, or the air and water may be moving over a stationary object.



Pulleys, levers and **gears** are all mechanisms, also known as **simple machines**.



gears

A **mechanism** is a device that allows a small force to be increased to a larger force.