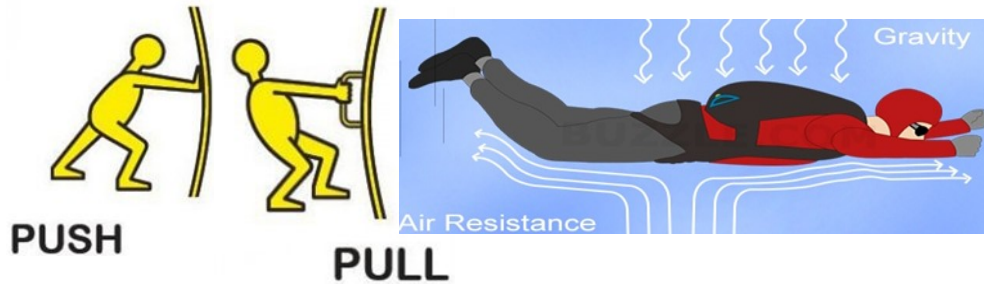


Science—Forces

Diagrams and Images



Important Facts / People

Air Resistance is a force that is caused by air with the force acting in the opposite direction to an object moving through the air.

Water resistance is a force that is caused by water with the force acting in the opposite direction to an object moving through the water.

Pulleys are wheels with a grooved rim around that changes the direction of a force applied to the cord

Friction is the resistance that one surface or object encounters when moving over another.

Isaac Newton changed the way we understand the Universe. Revered in his own lifetime, he discovered the laws of gravity and motion and invented calculus.

Galileo Galilei . He explains that he did the experiment to show the pull of gravity on an object is the same, regardless of their different weights.

Useful websites: <https://www.bbc.co.uk/bitesize/topics/znmmn39>

Vocabulary / Key Terms

Force	<i>A push or pull upon an object resulting from its interaction with another object.</i>
Gravity	<i>The force that attracts a body towards the centre of the earth.</i>
Gears	<i>A toothed wheel that works with others to alter the speed of a driving mechanism (e.g. engine) and the speed of the driven parts (e.g. the wheels)</i>
Lever	<i>A rigid bar resting on a pivot that is used to move a heavy or firmly fixed load.</i>
Mass	<i>The weight measured by an objects acceleration under a given force or by the force exerted on it by gravity.</i>