

Keywords: Spring 1

Science

Topic Title: 7P2 Forces

Introduction to the topic: Why are you learning it and how does it link to what you've learned before?

The forces topic introduces important new information on the world around us and explain how and why things move in the way that they do.

What lessons will you cover during the topic?

Gravity and weight, friction, speed, air resistance and floating.

Keyword	Definition
Force	A push or a pull. The unit of force is the newton (N).
Air Resistance	A force of friction produced when an object moves through the air.
Contact Forces	Force exerted between two objects when they are touching.
Friction	A force that opposes or prevents movement and converts kinetic energy into heat.
Non-Contact Forces	The push or pull acting between objects that are not physically touching when they interact.
Repel	Objects that tend to push apart because of a force between them repel each other.
Weight	The force acting on an object due to the pull of gravity from a massive object like a planet. The force acts towards the centre of the planet and is measured in Newton's (N).
Resultant Forces	The single force that could replace all the forces acting on an object, found by adding these together. If all the forces are balanced, the resultant force is zero.