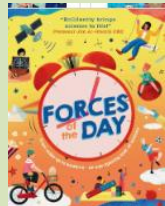


Science – Forces – Year 5-6 - Cycle A

Key Vocabulary

Force	A push or a pull on an object
Gravity	the force that attracts an object towards the centre of the earth
Weight	a measure of the gravitational force with which an object is drawn to the centre of a massive second object.
Mass	the amount of matter an object contains.
Friction	a force between two surfaces that are sliding, or trying to slide, across each other.
Air resistance	A type of friction caused by air pushing against any moving object.
Poles	The ends of a magnet (north and south).
Attract	Magnets pull together.
Repel	Magnets push apart.

Key Reading



Sticky Knowledge

- Forces are measured in Newtons using a forcemeter.
- Isaac Newton was the Scientist responsible for the theory of gravity when he witnessed an apple falling from a tree.
- Magnetism is a force that can pull or push objects.
- Magnets have North and South poles.
- Velocity is the speed at which an object moves.
- Air resistance is a force that is used to help parachutes land safely.

Key Skills

- Planning a fair test
- Investigate how magnets repel and attract
- Understand how upthrust helps things float
- Understand air resistance makes parachutes work
- Investigate how forces can affect everyday objects that we use.

Resources

- Magnets
- String
- Card
- Paper
- Fabric
- Ramp

