

Golden Concepts

Asking scientific questions and making observations

Planning an investigation

Collecting, presenting and interpreting data

Errors and uncertainty

Science in our world

Key Vocabulary

Contact force	Contact forces occur when two o=things are touching each other
Non-contact force	A force is applied that is not in direct contact, like gravity or magnetism
Gravity	The force that pulls all objects towards the Earth
Friction	A force which goes in the opposite direction to motion
Air resistance	The force that occurs between an object and the particles that make up the air
Particles	Everything in the universe is made up of tiny parts called particles
Balanced	When two forces are the same they are said to be balanced
Unbalanced	When two forces are not the same they are said to be unbalanced
Direction	In force diagrams, the direction of the force is shown using an arrow



Forces KS2 - Knowledge Organiser

- The study of forces becomes more systematic.
- Students learn about different types of forces, such as gravitational force, friction, air resistance, and magnetic forces.
- They may explore how forces can change the shape or motion of objects.

