

SCIENCE · GRADE 4

# Forces — Vocabulary Mat

Words you need for forces

## Key terms

1

**Force**

A push or a pull on an object.

*Example: Pushing a door open.*

2

**Gravity**

A force that pulls objects towards the center of the Earth.

*Example: Why apples fall from trees.*

3

**Friction**

A force between two surfaces that slows movement.

*Example: A bike slowing down on a rough path.*

4

**Air resistance**

Friction caused by air pushing against a moving object.

*Example: A parachute slowing a falling skydiver.*

5

**Water resistance**

Friction caused by water pushing against a moving object.

*Example: A submarine moving slowly through water.*

6

**Upthrust**

An upward push from a liquid on an object floating in it.

*Example: Why a boat floats.*



7

**Balanced forces**

Equal forces in opposite directions — no movement.

*Example: A book resting on a table.*

8

**Unbalanced forces**

Forces of different strengths — object speeds up or slows down.

*Example: A goalkeeper diving to stop a ball.*

