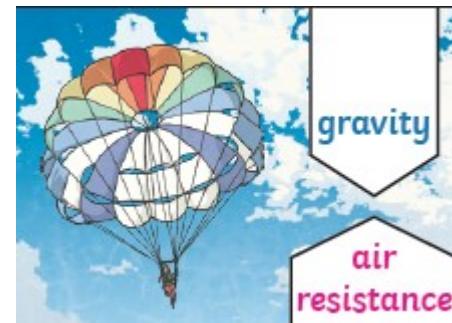




Key Vocabulary

Force	Pushes or pulls.
Gravity	A pulling force exerted by the Earth (or any other object that has mass).
Weight	The measure of the force of gravity on an object.
Mass	A measure of how much matter (or “stuff”) is inside an object.
Friction	A force that acts between two surfaces or objects that are moving, or trying to move, across each other.
Air resistance	A type of friction caused by air pushing against any moving object.
Water resistance	A type of friction caused by water pushing against any moving object.
Streamlined	When an object is shaped to reduce the effects of air resistance or water resistance.
Upthrust	A force that pushes objects up.



Resources

- Egg, card, tape, string, bags (air resistance)
- Foil, trays (water resistance)

Safety Cards

- Card 22 - Forces
- Card 23 - Forces
- Card 24 - Forces



What key knowledge will I have by the end of this unit?

- A force is a push or a pull. Forces need to be equal and opposite for an object to stay still.
- Gravity is a force that pulls objects towards the centre of a body.
- Mass is how much matter an object contains. Weight a force and relies on the pull of gravity.
- More friction is created between rough surfaces. Less friction is created between smooth surfaces.
- Friction acts between the surfaces of two moving objects resulting in a reduction in speed.

What key skills will I have by the end of this unit?

- Safety in science
- Fair testing
- Observations
- Making predictions
- Questioning

In KS1:	In Year 3:	In Year 4:	In Year 5:	In Year 6
	<ul style="list-style-type: none"> •Friction—how do objects move on different surfaces? •Magnets exert forces on some materials 			