

Year 5 Physics: Forces

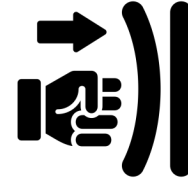
air resistance

This is a type of friction force which acts in an opposite direction to an object moving through the air. Air resistance is also known as **drag**.



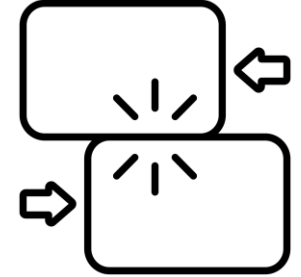
force

A force is a push or a pull acting upon an object. It causes the object to move, speed up, slow down, change direction or change shape.



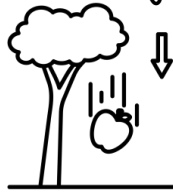
friction

This is a force which slows down a moving object.



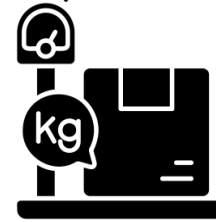
gravity

This is the force that pulls everything with mass towards each other. Every object has a **gravitational pull**. The larger the object, the more gravity it has.



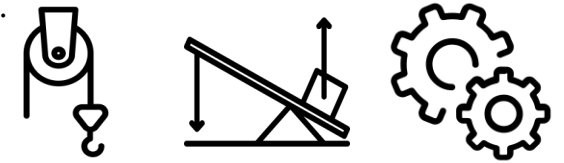
mass

This is the amount of matter (stuff) inside an object. It tells you how heavy the object is.



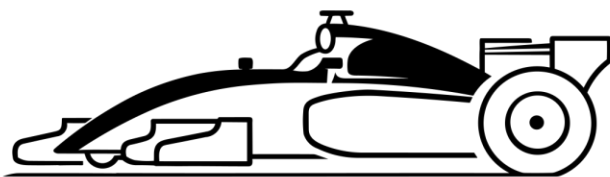
mechanism

This is a set of moving parts which work together to make a task easier, usually by reducing the amount of force needed to lift or move an object. Examples of mechanisms include **pulleys**, **levers** and **gears**.



streamlined

A shape that reduces air resistance or water resistance.



surface area

This is the total amount of space covering the outside of a 3D object.



water resistance

This is a type of friction force which acts in an opposite direction to an object moving through water.

