



Year 5 Feel The Force Knowledge Organiser



Forces In Action	
<p>Water resistance and air resistance are forms of friction. Friction is sometimes helpful and sometimes unhelpful. For example, air resistance is helpful as it stops the sky diver hitting the ground at high speed. Friction on a bike chain can make the bike harder to pedal, so is unhelpful.</p>	

Lever
<p>A simple mechanism used to move or lift objects.</p>
Gears
<p>Toothed wheels that lock together and turn each other.</p>
Pulleys
<p>A device consisting of a wheel over which a rope or chain is pulled in order to lift heavy objects.</p>

Key Vocabulary	
air resistance	Air resistance is a type of friction between air and another material (this is sometimes called drag).
buoyancy	The ability that something has to float on a liquid or in the air.
forces	A force is the pulling or pushing effect that something has on something else.
friction	The force that makes it difficult for things to move freely when they are touching each other.
fulcrum	The point where a lever turns (also called a pivot).
gravity	The force which causes things to drop to the ground.
mass	A measure of the amount of matter in an object (measured in grams and kilograms).
mechanism	A part, often consisting of a set of smaller parts, which performs a particular function.
streamlined	When an object is shaped to minimise the effects of air or water resistance.
upthrust	An upward push or thrust.
water resistance	A force that slows things down that are moving through water.
weight	The force of gravity on an object. (Often confused with mass)