

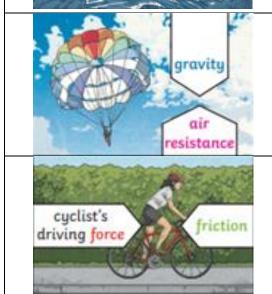
Year 5 Feel The Force Knowledge Organiser

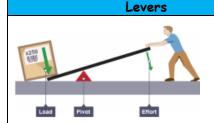


Forces In Action

Water resistance and air resistance are forms of friction. Friction is sometimes helpful and sometimes unhelpful. For example, air resitance 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.

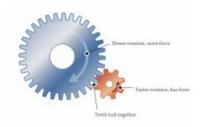






A simple mechanism used to move or lift objects.

Gears



Toothed wheels that lock together and turn each other.

Pulleys

A device consisting of a wheel over which a rope or chain is pulled in order to lift heavy objects.

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	A force that slows things down
resistance	that are moving through water.
weight	The force of gravity on an object.
	(Often confused with mass)