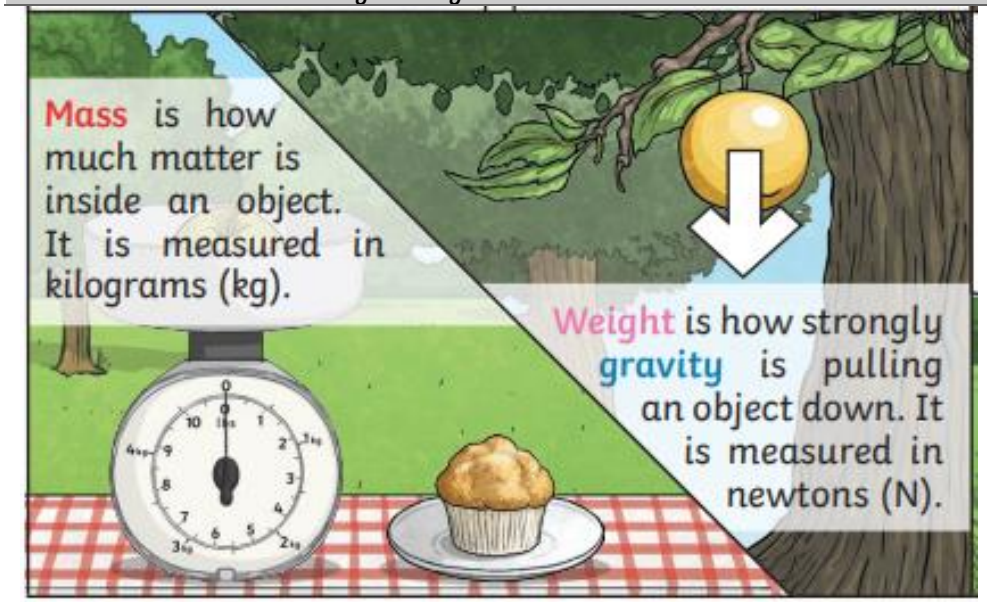
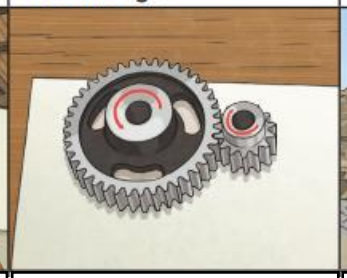
Forces - Knowledge Organiser

force	Pushes or pulls
gravity	A pulling force exerted by the Earth (or anything else which has mass).



simple machine	Have moving parts that help turn a large force into a small force

Pulleys	Gears/Cogs	Levers
		
The more wheels in a pulley, the less force is needed to lift the weight.	Gears can be used to change the speed, force or direction of a motion.	Levers can be used to make a small force lift a heavier load. A lever always rests on a pivot.

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 minimise the effects of air or water resistance.
upthrust	A force that pushes objects up, usually in water.
buoyancy	An object is buoyant if it floats. This is because the weight of the object is equal to the upthrust.

Forces in action

