Year 5 — Forces Key Facts					Key Vocabulary
			Contractor and	Air resistance	A type of friction caused by air pushing against any moving object
			cyclist's	buoyancy	An object is buoyant if it floats. This is because the weight of the object is equal to the upthrust.
driving force				forces	A push or pull that causes a change in speed, direction or shape.
Air resistance and water registrance			sistance are forms of	friction	A force that acts between two surfaces or objects that are moving, or trying to move across each other.
Gravity pulls the	Air resistand pushes	sometimes unhelpcul. For ex	ample, air resistance	gravity	A pulling force exerted by the earth (or anything else which has mass)
parachute to the	upwards an slows the	d is helpful as it stops the sky ground at speed. Friction or make the bike harder to ped		mass	A measure of how much matter is inside an object, measured in KG
ground parachute make the bike harder to pead so it is unneipful.				mechanism	Parts which work together in a machine. Pulleys, gears and leavers are examples of mechanisms.
				Newton	The unit in which force is measured. (N)
A		Enderson and and and and and and and and and an		streamlined	When an object is shaped to minimise the effects of air or water resistance.
Pulleys can be used to make		Gears or Cogs can be used to change the speed, force or direction of a motion. When two gears are connected, they always turn in the opposite direction to each other.	Levers can be used to make a small force lift a heavier load. A lever always rests on a pivot or fulcrum.	upthrust	A force that pushes objects up, usually in water.
a small force lift a heavier load. The more wheels in the				Water resistance	A type of friction caused by water pushing against any moving object.
pulley, the less force is needed to lift a weight.				weight	The measure of the force of gravity on an object