





	Something that causes the movement of objects around us e.g. push, pull, twist.	What do we already know about forces?	I know that a force is a push or pull that can speed up, slow down, stop or start a movement. I know that magnets can cause this movement at a distance.	K · *	
Gravity 🍾 g	The force that pulls things to the centre of the Earth. The force of gravity keeps all the planets in orbit around the Sun.	What is	When an object moves on a surface, the texture of the surface and the object will affect how it moves. This is friction . It is	\$	alt rectourse gravity
Air resistance	The frictional force of air acting against an object.	friction?	easier to push or pull something along a smooth surface than a bumpy surface		VA*
Friction	When one object rubs against another.	What is air resistance?	When an object moves through the air, air resistance can act between the moving surfaces, acting to slow the movement down.		
Mechanisms	A simple machine.			¥	
Levers	A length that is free to rotate on a pivot point (e.g. a see -saw.	What is water resistance?	When an object moves through the water, water resistance can act between the moving surfaces, acting to slow the movement down.		
Pulleys	A loop of rope over one or more wheels that helps with lifting things.	What is gravity?	Gravity is a force that holds things to the Earth's surface and prevents things from floating off into the Earth's atmosphere. It ensures that unsupported objects fall back down to Earth.		Isaac Newton
Gears	Wheels with teeth that slot together which can increase a turning force.	What are	These are devices that allow a small		
Isaac Newton	Born in 1643, a scientist who was famous for the dis- covery and understanding of gravity.	gears, levers and pulleys?	amount of force to be increased to a larger force. These mechanisms are also known as simple machines .		