



Key	Meaning	Key Aims:
Vocabu- lary		 To explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling objects.
Attract	To pull towards	 To identify the effects of air resistance, water resistance and friction, that act between moving surfaces. To recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.
Contact	When objects touch	
Distance	The length between two objects	
Drag	The frictional force experienced by an object moving through a fluid or air.	Friction is a force created between two surfaces when they rub together. Friction creates heat and always slows down an object.Sir Isaac Newton was a scientist wh developed the first
Force	A push or pull that acts upon an object that can cause it to move, change shape or change direction	
Friction	The force that acts upon one surface when it moves against another	
Gravity	A pull force that acts at a distance	
Pull	To move something towards	
Push	To move something away	
Repel	To push away	
Resistance	An opposing or slowing force	sponsible for making it difficult for us to move through the water.

By the end of this unit, I will consolidate and extend my knowledge of forces by naming individual forces (e.g. gravity, friction, upthrust). I will extend my knowledge of frictional forces (air resistance and water resistance) and plan fair test investigations to discover which shoe has the greatest friction and which shapes offer the most water resistance. I will learn how forces can be helpful and unhelpful in various scenarios and identify the forces involved in each scenario. I will learn what a mechanism is and how pulleys, levers and gears are used to allow a smaller force to have a greater effect.