

Contact and non-contact forces		
	Define 'force'	A push or a pull that acts on an object due to the interaction with another object
	What is the difference between contact and non-contact forces?	Objects are physically touching for contact forces but separated for non-contact forces
	Give five examples of contact forces	Friction, air resistance, tension, compression, normal contact force
	Give three examples of non-contact forces	Gravitational force, electrostatic force, magnetic force
Gravity		
	What is gravity on Earth?	10 N/kg
	What is weight?	The force on an object due to gravity
	What is mass?	How much matter (or stuff) something is made from
	What is the formula for weight?	Weight = mass x gravity
Investigations		
	What is the independent variable?	What you <b>change</b>
	What is the dependent variable?	What you <b>measure</b>
	What are the control variables?	Things you keep the same
	What is a prediction?	What you think will happen in an experiment
Balanced and unbalanced		
	What does equilibrium mean?	When all forces are balanced
	What can unbalanced forces do to an object?	Make it speed up Make it change direction Or both!
	What is a resultant force?	The overall force acting on an object
	What is the resultant force on an object with balanced forces?	Zero
Speed		
	What is speed measured in in physics?	Metres per second      m/s
	What is the equation for speed?	Speed = distance ÷ time
	What is a typical walking speed	1.5 m/s
	What is a typical running speed	5 m/s
	What is relative motion?	How fast one object moves compared to another
Distance time graphs		
	What does gradient mean?	How steep something is
	What does a line of constant gradient (steepness) mean on a distance time graph?	Constant speed
	If an object travels faster the line will be...	steeper
	A horizontal line means...	That the object is stopped
	A curves line means...	The speed of the object is changing
	How can you work out speed from a distance time graph?	Find out the gradient