

Plan Bee - Experiments and Working Scientifically

Red indicates experiments/investigations to be completed within each unit. At least ONE per unit should be completed within the Science lab (unless specifically noted). If more than one experiment is expected per unit, please indicate which will be completed within the lab.					
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
Year 3	Health and Movement - 7 lessons	Rocks, Fossils and Soils - 7 lessons	Forces and Magnets - 5 lessons	How Plants Grow - 6 lessons	Light and Shadow - 7 lessons
Experiment to be completed:	Testing the permeability of different rocks.	To carry out an investigation to find out what pets eat.	To explore how magnetic forces work.	Investigate plant growth in different conditions.	To investigate what shadows are and why they are formed.
Year 4	Eating and Digestion - 6 lessons	Changing Sound - 7 lessons	Circuits and Conductors - 5 lessons	States of Matter - 7 lessons	Living in Environments - 6 lessons
Experiment to be completed:					
Year 5	Life Cycles - 6 lessons	Earth and Space - 6 lessons	Properties and Changes of Materials - 7 lessons	Forces in Action - 5 lessons	Changes and Reproduction - 6 lessons
Experiment to be completed:	Plant dissection	Using a sundial to understand the Earth's rotations (outdoors)	- Dissolving to form a solution - Separating mixtures and solutions	- Investigate what happens when two objects of	None

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			- Making fizzy lemonade - Investigate the materials needed for something to burn (lab)	differing weights are dropped at the same time, from the same height. - See if the size of a parachute affects how long it takes to fall. - Identify and explain the effects of water Resistance (lab) - Lift a bottle using pulleys.	
Year 6	Healthy Bodies - 7 lessons	Changing Circuits - 6 lessons	Classifying Organisms - 6 lessons	Seeing Light - 7 lessons	Evolution and Inheritance - 6 lessons
Experiment to be completed:	Sort and classify different food groups: Investigate foods with the highest fat/protein/carbohydrate content.	Investigate how changing the wire in a circuit affects the brightness of a bulb.	Yeast experiment - Investigate which food yeast reacts to most.	Investigate how the position of a light source changes a shadow.	

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	Perform a heart dissection: Investigate and identify the key parts of a heart. The effect of exercise on the body: Investigate what happens to the heart when we exercise and why.				
Main strand:	Biology	Physics	Chemistry		

