































Science – Working Scientifically Progression (TAPS)

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Plan		Do		Review	
	Ask Qs and plan enquiry 	Set up enquiry 	Observe + Measure 	Record 	Interpret + Report 	Evaluate 
KS1 (age 5-7) <i>Develop close observations.</i>	Ask simple Qs and recognise that they can be answered in different ways*.	Perform simple tests.	Observe closely, using simple equipment.	Gather and record data to help in answering questions.	Identify and classify. Use appropriate scientific language to communicate ideas.	Use their observations and ideas to suggest answers to questions.
Year 1 Curriculum Area.	Plants		Animals Including Humans		Everyday Materials	
	Seasonal Changes					
TAPS Assessment	Plants Structure 	Seasonal Change 	Animal Classification 	Human Body Parts 	Reflection Tests 	Floating and sinking 











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Year 2 Curriculum Area	Living Things and their Habitats		Animals including Humans	Plants	Use of Everyday Materials	
TAPS Assessment	Living Things: Nature Spotters 	Living Things: Woodlice Habitats 	Humans: Handspans 	Plants: Compare Growth 	Materials: Waterproof 	Materials: Rocket Mice 
	Plan		Do		Review	
Lower KS2 (age 7-9) <i>Develop systematic approach</i>	Ask relevant questions and use different types* of scientific enquiries to answer them.	Set up simple practical enquiries, comparative and fair tests.	Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.	Gather, record, classify and present data in a variety of ways to help in answering questions. Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.	Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions. Identify differences, similarities or changes related to simple scientific ideas and processes.	Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions. Use straightforward scientific evidence to answer questions or to support their findings.

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Year 3 Curriculum Area	Rocks, Soils and Fossils	Magnetism and Forces		Skeletons	Light	Plants
TAPS Assessment	Rocks: Rock Report 	Magnetism: Strongest Magnet 	Forces: Balloon Rockets 	Humans: Investigating Skeletons 	Light: Making Shadows 	Plants: measuring plants 
Year 4 Curriculum Area	Teeth and Digestion	States of Matter	Living things and their Habitats		Sound	Electricity
TAPS Assessment	Teeth: Teeth (Eggs) in Liquid 	SoM: Drying Materials 	Living Things: Local Survey 		Sound: Investigating Pitch 	Electricity: Conductors 
	Plan		Do		Review	
Upper KS2 (age 9-11) Develop independence	Plan different types* of scientific enquiries to answer their own questions, including recognising and controlling	Use test results to make predictions to set up further comparative and fair tests.	Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings	Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables,	Report and present findings from enquiries, inc conclusions and causal relationships, in oral and written forms such as displays and	Explain degree of trust in results. Identify and evaluate scientific evidence (their own and others') that has been used to support

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	variables where necessary.		when appropriate	scatter graphs, bar and line graphs.	other presentations, using appropriate scientific language.	or refute ideas or arguments.
Year 5 Curriculum Area	Earth and Space	Forces: gravity, resistance, friction	Living things and their Habitats: Life Cycles	Properties and changes of materials	Forces: gears, levers, pulleys	Animals including humans: Changes
TAPS Assessment	Spherical Earth Review (Evaluate) 	Forces: Spinners 	Living Things: Life Cycle Research 	Materials: dissolving 		Growth Survey Do 
Year 6 Curriculum Area	Living things and their habitats	Electricity	Blood and the Circulatory System		Light	Evolution and Inheritance
TAPS Assessment	Living Things: Outdoor Keys 	Electricity: Bulb Brightness 	Humans: Heart Rate 		Light: Investigating Shadows 	Evolution: fossil habitats 