

I can	Science - Year 5	Tick	Date
Working scientifically	Plan different kinds of fair experiments.		
	Tell you how I control variables in my experiments.		
	Take accurate measurements using lots of different scientific equipment.		
	Tell you why it's important to take repeated measurements.		
	Record data using:		
	Labelled scientific diagrams.		
	Classification keys.		
	Tables.		
	Bar charts.		
	Line charts.		
	Make predictions about how other tests will work using my results.		
	Present my findings in a written report with an introduction, conclusion and results.		
	Present my findings in an oral presentation with an introduction, conclusion and results.		
	Tell you about other experiments that have been done to support or disprove ideas.		
Living things and their habitats	Describe the differences between the life cycles of:		
	A mammal.		
	A bird.		
	An insect.		
	An amphibian.		
	Describe the reproductive cycle of a plant.		
Describe the reproductive cycle of an animal.			

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Animals including humans	Describe how humans change as they age.		
	Classify materials by:		
States of matter Forces and magnets	Transparency.		
	Hardness.		
	Solubility.		
	Electrical conductivity.		
	Thermal conductivity.		
	Response to magnets.		
	Tell you about how some materials dissolve to form a solution.		
	Tell you how to separate materials in a solution.		
	Decide how best to separate mixtures.		
	Tell you using evidence why some materials are best suited to different uses.		
	Tell you why some state changes are reversible, and some state changes aren't.		
	Earth and Space	Tell you about how the planets in our solar system move in relation to the Sun.	
Tell you about how the Moon moves relative to the Earth.			
Tell you the shape of the Moon, Sun and Earth.			
Explain how day turns into night.			
Explain why objects fall to Earth.			
Forces	Tell you about the effects of air resistance, water resistance and friction.		
	Tell you how mechanisms allow a smaller force to have a greater effect.		