

Working scientifically skills mapping

April 2026

Year 1 | Working scientifically skills mapping

Autumn	The human body						Seasonal changes		Materials						Seasonal changes		
	Ask questions	Answer questions and make conclusions	Take measurements	Take measurements	Take measurements	Take measurements	Ask questions	Gather, record and classify data	Gather, record and classify data	Make observations	Gather, record and classify data	Take measurements	Gather, record and classify data	Answer questions and make conclusions	Answer questions and make conclusions	Ask questions	Gather, record and classify data
Spring	Planting A	Animals						Caring for the planet		Seasonal changes		Planting B					
	Ask questions	Ask questions	Gather, record and classify data	Gather, record and classify data	Gather, record and classify data	Answer questions and make conclusions	Gather, record and classify data	Gather, record and classify data	Gather, record and classify data	Ask questions	Answer questions and make conclusions	Ask questions	Gather, record and classify data	Make observations	Gather, record and classify data	Consolidation	
Summer	Plants						Planting C		Growing and cooking		Seasonal changes						
	Gather, record and classify data	Gather, record and classify data	Make observations	Gather, record and classify data	Gather, record and classify data	Gather, record and classify data	Answer questions and make conclusions	Make observations	Gather, record and classify data	Ask questions	Answer questions and make conclusions	Ask questions	Gather, record and classify data	Answer questions and make conclusions	Consolidation		

Text highlighted in pink shows the specific working scientifically skill for each step.

Year 2 | Working scientifically skills mapping

Autumn	Animals' needs for survival						Humans				Materials								Plastic	
	Ask questions	Gather, record and classify data	Gather, record and classify data	Gather, record and classify data	Gather, record and classify data	Answer questions and make conclusions	Gather, record and classify data	Gather, record and classify data	Make observations	Make observations	Gather, record and classify data	Take measurements	Gather, record and classify data	Ask questions	Gather, record and classify data	Make observations	Answer questions and make conclusions	Take measurements	Ask questions	Answer questions and make conclusions
Spring	Plants (light and dark)					Living things and their habitats										Plants				
	Make observations	Make observations	Ask questions	Ask questions	Take measurements	Gather, record and classify data	Answer questions and make conclusions	Answer questions and make conclusions	Gather, record and classify data	Gather, record and classify data	Make observations	Gather, record and classify data	Answer questions and make conclusions	Gather, record and classify data	Gather, record and classify data	Consolidation				
Summer	Plants (bulbs and seeds)				Growing up						Plants	Growing up	Wildlife		Consolidation					
	Make observations	Present findings	Ask questions	Take measurements	Gather, record and classify data	Ask questions	Present findings	Gather, record and classify data	Make observations	Answer questions and make conclusions	Make observations	Make observations	Ask questions	Answer questions and make conclusions						

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Year 3 | Working scientifically skills mapping

Autumn	Skeletons					Movement		Nutrition and diet				Food waste		Rocks					
	Ask questions	Gather, record and classify data	Gather, record and classify data	Gather, record and classify data	Present findings	Answer questions and make conclusions	Present findings	Gather, record and classify data	Answer questions and make conclusions	Present findings	Answer questions and make conclusions	Answer questions and make conclusions	Ask questions	Present findings	Make observations	Gather, record and classify data	Make observations	Gather, record and classify data	Consolidation
Spring	Fossils		Soils					Light											
	Ask questions	Present findings	Gather, record and classify data	Answer questions and make conclusions	Plan	Take measurements	Answer questions and make conclusions	Answer questions and make conclusions	Gather, record and classify data	Gather, record and classify data	Ask questions	Plan	Gather, record and classify data	Evaluate	Consolidation				
Summer	Plants A								Forces				Magnets				Plants B	Biodiversity	
	Answer questions and make conclusions	Gather, record and classify data	Ask questions	Plan	Plan	Answer questions and make conclusions	Gather, record and classify data	Present findings	Answer questions and make conclusions	Answer questions and make conclusions	Plan	Answer questions and make conclusions	Gather, record and classify data	Answer questions and make conclusions	Plan	Present findings	Answer questions and make conclusions	Ask questions	Present findings

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Year 4 | Working scientifically skills mapping

Autumn	Group and classify living things					Data collection A		States of matter											
	Gather, record and classify data	Ask questions	Gather, record and classify data	Gather, record and classify data	Present findings	Gather , record and classify data	Gather, record and classify data	Gather, record and classify data	Answer questions and make conclusions	Ask questions	Take measurements	Plan	Gather, record and classify data	Answer questions and make conclusions	Ask questions	Make observations	Answer questions and make conclusions	Consolidation	
Spring	Sound							Data collection B		Electricity				Energy					
	Ask questions	Gather, record and classify data	Take measurements	Plan	Answer questions and make conclusions	Plan	Take measurements	Answer questions and make conclusions	Gather , record and classify data	Gather, record and classify data	Gather, record and classify data	Gather, record and classify data	Answer questions and make conclusions	Ask questions	Answer questions and make conclusions	Ask questions	Answer questions and make conclusions	Consolidation	
Summer	Data collection C			Habitats				Deforestation		The digestive system							Food chains		
	Gather , record and classify data	Gather, record and classify data	Present findings	Ask questions	Gather, record and classify data	Gather, record and classify data	Present findings	Ask questions	Present findings	Answer questions and make conclusions	Ask questions	Answer questions and make conclusions	Plan	Gather, record and classify data	Present findings	Answer questions and make conclusions	Answer questions and make conclusions	Gather, record and classify data	Gather, record and classify data

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Year 5 | Working scientifically skills mapping

Autumn	Forces								Space					Global warming		Consolidation
	Answer questions and make conclusions	Ask questions	Plan	Take measurements	Present findings	Plan	Take measurements	Answer questions and make conclusions	Answer questions and make conclusions	Gather, record and classify data	Present findings	Gather, record and classify data	Present findings	Answer questions and make conclusions	Answer questions and make conclusions	
Spring	Properties of materials						Animals including humans					Life cycles				
	Gather, record and classify data	Gather, record and classify data	Plan	Take measurements	Evaluate	Answer questions and make conclusions	Ask questions	Gather, record and classify data	Ask questions	Answer questions and make conclusions	Gather, record and classify data	Present findings	Answer questions and make conclusions	Gather, record and classify data	Gather, record and classify data	
Summer	Reproduction A					Reversible and irreversible changes					Plastic pollution	Reproduction B		Consolidation		
	Present findings	Gather, record and classify data	Present findings	Answer questions and make conclusions	Plan	Take measurements	Present findings	Present findings	Answer questions and make conclusions	Answer questions and make conclusions	Present findings	Evaluate	Evaluate			

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Year 6 | Working scientifically skills mapping

Autumn	Living things and their habitats							Electricity					Renewable energy						
	Answer questions and make conclusions	Gather, record and classify data	Gather, record and classify data	Gather, record and classify data	Answer questions and make conclusions	Present findings	Answer questions and make conclusions	Gather, record and classify data	Gather, record and classify data	Gather, record and classify data	Plan	Take measurements	Evaluate	Answer questions and make conclusions	Present findings				
Spring	Light							Light pollution	The circulatory system				Diet, drugs and lifestyle						
	Answer questions and make conclusions	Gather, record and classify data	Gather, record and classify data	Plan	Take measurements	Gather, record and classify data	Answer questions and make conclusions	Answer questions and make conclusions	Ask questions	Answer questions and make conclusions	Answer questions and make conclusions	Answer questions and make conclusions	Present findings	Present findings	Answer questions and make conclusions	Answer questions and make conclusions	Answer questions and make conclusions	Plan	Take measurements
Summer	Variation		Adaptations					Fossils		Themed projects									
	Gather, record and classify data	Gather, record and classify data	Answer questions and make conclusions	Answer questions and make conclusions	Ask questions	Answer questions and make conclusions	Answer questions and make conclusions	Present findings	Answer questions and make conclusions	Answer questions and make conclusions	Present findings	Consolidation	Ask questions	Plan	Make observations	Take measurements	Gather, record and classify data	Answer questions and make conclusions	Evaluate

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