



Working Scientifically Skills Mapping

Working scientifically skills mapping

Year 1



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

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Year 2



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

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Year 3



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

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Year 4



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

Working scientifically skills mapping

Year 5



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

Working scientifically skills mapping

Year 6



Autumn term	Living things and their habitats	Electricity	Renewable energy
Answer questions and make conclusions	Gather, record and classify	Gather, record and classify	Answer questions and make conclusions
Gather, record and classify	Gather, record and classify	Present findings	Present findings
Gather, record and classify	Gather, record and classify	Gather, record and classify	
Gather, record and classify	Answer questions and make conclusions	Plan	
Answer questions and make conclusions	Present findings	Take measurements	
Present findings	Present findings	Evaluate	

Spring term	Light	Light pollution	The circulatory system	Diet, drugs and lifestyle
Answer questions and make conclusions	Gather, record and classify	Answer questions and make conclusions	Ask questions	Answer questions and make conclusions
Gather, record and classify	Gather, record and classify	Present findings	Answer questions and make conclusions	Answer questions and make conclusions
Gather, record and classify	Plan	Present findings	Make observations	Answer questions and make conclusions
Plan	Take measurements	Present findings	Present findings	Plan
Take measurements	Gather, record and classify	Present findings	Answer questions and make conclusions	Take measurements
Gather, record and classify	Answer questions and make conclusions	Present findings	Evaluate	Evaluate
Answer questions and make conclusions	Answer questions and make conclusions			
Answer questions and make conclusions				

Summer term	Variation	Adaptations	Fossils	Themed projects
Gather, record and classify	Answer questions and make conclusions	Answer questions and make conclusions	Answer questions and make conclusions	Ask questions
Gather, record and classify	Answer questions and make conclusions	Plan	Present findings	Plan
	Plan	Present findings	Present findings	Make observations
	Present findings	Plan		Take measurements
	Present findings	Present findings		Gather, record and classify
			Consolidation	Answer questions and make conclusions
				Evaluate