

# 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

# Working scientifically skills mapping

## Year 2



Autumn term	Animals' needs for survival						Humans			Materials						Plastic					
	Ask questions	<b>Gather, record and classify</b>	Gather, record and <b>classify</b>	Gather, record and <b>classify</b>	<b>Gather, record and classify</b>	Answer questions and make conclusions	<b>Gather, record and classify</b>	Gather, record and <b>classify</b>	Make observations	Make observations	Gather, record and <b>classify</b>	Take measurements	Gather, record and <b>classify</b>	Ask questions	Gather, record and <b>classify</b>	Make observations	Answer questions	Take measurements	Ask questions	Answer questions and make conclusions	Ask questions

Spring term	Plants (light and dark)					Living things and their habitats										Plants		
	Make observations	Make observations	Ask questions	Ask questions	Take measurements	<b>Gather, record and classify</b>	Answer questions and make conclusions	Answer questions and make conclusions	Answer questions and make conclusions	Gather, record and <b>classify</b>	Make observations	<b>Gather, record and classify</b>	Gather, record and <b>classify</b>	Gather, record and <b>classify</b>	Gather, record and <b>classify</b>	Gather, record and <b>classify</b>	<b>Gather, record and classify</b>	Gather, record and <b>classify</b>

Summer term	Plants (bulbs and seeds)				Growing up						Plants	Growing up	Wildlife		
	Make observations	<b>Gather, record and classify</b>	Ask questions	Take measurements	Gather, record and <b>classify</b>	Ask questions	<b>Gather, record and classify</b>	Gather, record and <b>classify</b>	Make observations	Answer questions and make conclusions	Make observations	Make observations	Ask questions	Answer questions and make conclusions	Consolidation

# Working scientifically skills mapping

## Year 3



Autumn term	Skeletons					Movement		Nutrition and diet				Food waste		Rocks						
Ask questions	Gather, <b>record</b> and classify	Gather, record and <b>classify</b>	Gather, record and <b>classify</b>	Present findings	Answer questions and make conclusions	Present findings	Gather, record and <b>classify</b>	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 <b>classify</b>	Make observations	Gather, <b>record</b> and classify	Consolidation		
Spring term	Fossils		Soils				Light													
Ask questions	Present findings	Gather, <b>record</b> and classify	Answer questions and make conclusions	Take measurements	Take measurements	Answer questions and make conclusions	Make observations	Gather, <b>record</b> and classify	Gather, <b>record</b> 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 <b>classify</b>	Ask questions	Plan	Plan	Make observations	Gather, <b>record</b> and classify	Present findings	Make observations	Answer questions and make conclusions	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

# Working scientifically skills mapping

## Year 4



Autumn term	Group and classify living things					Data collection A		States of matter								Consolidation
	Gather, record and classify	Ask questions	Gather, record and classify	Gather, record and classify	Present findings	Gather, record and classify	Gather, record and classify	Gather, record and classify	Make observations	Ask questions	Make observations	Plan	Gather, record and classify	Make observations	Ask questions	

Spring term	Sound								Data collection B		Electricity				Energy		Consolidation
	Ask questions	Gather, record and classify	Make observations	Plan	Make observations	Plan	Make observations	Answer questions and make conclusions	Gather, record and classify	Gather, record and classify	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	

Summer term	Data collection C			Habitats				Deforestation		The digestive system						Food chains			
	Gather, record and classify	Gather, record and classify	Present findings	Ask questions	Gather, record and classify	Gather, record and classify	Present findings	Ask questions	Present findings	Make observations	Ask questions	Plan	Plan	Plan	Present findings	Answer questions and make conclusions	Answer questions and make conclusions	Answer questions and make conclusions	Gather, record and classify

# 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	Gather, record and classify	Gather, record and classify	Answer questions and make conclusions	Present findings	Present findings	Gather, record and classify	Present findings	Gather, record and classify	Plan	Take measurements	Evaluate	Answer questions and make conclusions

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

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