

KS1 Working Scientifically Skills mapping

LTP – Cycle A

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			

KS1 Working Scientifically Skills mapping

LTP – Cycle B

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

LKS2 Working Scientifically Skills mapping

LTP – Cycle A

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		Gather, record and classify	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		Gather, record and classify		Present findings		Make observations		Present findings		Answer questions and make conclusions		Ask questions		Present findings	

LTP – Cycle A

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LTP – Cycle B

Autumn term	Group and classify living things					Data collection A		States of matter											
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	Make observations	Answer questions and make conclusions	Consolidation		
Spring term	Sound							Data collection B		Electricity			Energy						
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	Gather, record and classify	Consolidation		
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	Present findings

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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			

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LTP – Cycle B

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