

# Working scientifically enquiry types mapping: Year 1

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumnterm	The human body					Seasonal changes	Materials					Seasonal changes
	Pattern Seeking Do the oldest children have the longest feet?					Observation over time What are the main changes in each season?	Comparative test Does it absorb? Which material would be the best for a pair of curtains?					Observation over time
Springterm	Planting A	Animals					Caring for the planet			Seasonal changes	Planting B	
	Observation over time How do the things I plant change over time?	Identifying, grouping, and classifying Are all animals the same?					Sustainability			Observation over time	Observation over time	Consolidation
Summerterm	Plants					Planting C	Growing and cooking			Seasonal changes		
	Pattern seeking How can we sort plants into different groups?					Observation over time	Sustainability Where does my food come from?			Observation over time	Consolidation	

## Working scientifically skills mapping: Year 2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
	Animals' needs for survival				Humans		Materials					Plastic
Autumnterm	Identifying, grouping, and classifying How can animals be grouped based on their needs for survival?				Pattern seeking Do the oldest children have the most teeth?		Comparative test Which material would be the best for an umbrella?					Sustainability Why is it important to reuse and recycle materials?
Springterm	Plants (light and dark)			Living things and their habitats							Plants (light and dark)	
	Comparative test Do plants grow healthier in the light or dark?			Research What different habitats are there on planet Earth and what lives in each habitat?							Comparative test	
Summerterm	Plants (bulbs and seeds)		Growing up			Bulbs and seeds	Growing up	Wildlife				
	Observation over time How do bulbs and seeds change over time?		Pattern seeking Are there patterns between the life cycles of different animals?			Observation over time	Pattern seeking	Sustainability Why is it important to care for wildlife?			Consolidation	

# Working scientifically enquiry types mapping: Year 3

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumnterm	Skeletons			Movement	Nutrition and diet			Food waste	Rocks			
	Identifying, grouping and classifying How can animals be sorted and grouped based on their skeletons?				Research What is a balanced diet and is it important?			Sustainability What is food waste and how can we reduce it?	Identifying, grouping and classifying How can we identify and sort rocks based on their properties?			Consolidation
Springterm	Fossils	Soils			Light							
	Research How are fossils formed?	Comparative test Which soil absorbs the most water?			Fair test How does the distance between the light source and the object affect the size of a shadow?							Consolidation
Summerterm	Plants					Forces		Magnets		Plants B	Biodiversity	
	Comparative Test Does the number of seeds within one plant pot affect the growth of the plants?					Comparative Test How does the material on the ramp affect the distance a car travels?		Pattern seeking Are all metals magnetic?		Observation over time	Sustainability What is biodiversity and how can we increase it?	

# Working scientifically enquiry types mapping: Year 4

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumnterm	Group and classify living things			Data collection A	States of matter							
	Identifying, grouping and classifying How can living things be grouped and classified?			Observation over time What living things do we have in our local area and how does this change over the year?	Fair test How does the temperature of the water affect the time it takes for ice to melt?							Consolidation
	Sound					Data collection B	Electricity				Energy	
Springterm	Fair test How does the distance from the sound source affect the volume of the sound?					Observation over time What living things do we have in our local area and how does this change over the year?	Pattern seeking What materials are conductors or insulators of electricity and is there a pattern?				Sustainability	Consolidation
	Data collection C		Habitats	Deforestation	The digestive system						Food chains	
Summerterm	Observation over time What living things do we have in our local area and how does this change over the year?		Research What impacts do humans have on different habitats?	Sustainability What are the impacts of deforestation on the planet?	Research What is the digestive system and how does it work?						Research How has human activity affected food chains?	

## Working scientifically enquiry types mapping: Year 5

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn Term	Forces					Space					Global warming	
	Comparative Test Does the surface area of a parachute affect how long it takes for it to fall to the ground?					Research How have ideas about the Solar System changed over time?					Sustainability	Consolidation
Spring Term	Properties of materials				Animals including humans					Life cycles		
	Comparative test Which material is the best insulator of heat?				Pattern seeking Are there patterns linking gestation periods and lifespans?					Research How are the life cycles of animals similar and how are they different?		
Summer Term	Reproduction A			Reversible and irreversible changes				Plastic pollution	Reproduction B			
	Observation over time Which plant cutting produces the tallest plant?			Identifying, grouping and classifying Which changes are reversible and which are irreversible?				Sustainability	Observation over time Which plant cutting produces the tallest plant?		Consolidation	

# Working scientifically enquiry types mapping: Year 6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn Term	Living things and their habitats						Electricity					Renewable energy
	Identifying, grouping and classifying How can animals, plants and microorganisms be identified, grouped and classified?						Fair Test How does the voltage in a circuit affect the loudness of a buzzer?					Sustainability
Spring Term	Light				Light pollution		The circulatory system			Diet, drugs and lifestyle		
	Fair test How does the distance from a light source affect the size of the shadow?				Sustainability		Research What is the circulatory system and how does it work?			Fair test How does the duration of exercise affect heart rate?		
Summer Term	Variation		Adaptations				Fossils					
	Pattern seeking Is the type of food a bird eats related to the shape of its beak?						Research How have fossils changed over time and does this provide evidence for evolution?					