

Enquiry Types Curriculum Mapping

Pupils will learn how scientific enquiry is used to grow and develop knowledge in science. They will learn how scientist use a variety of enquiry strategies to answer scientific questions. Different questions lead to different types of enquiry and are not limited to fair testing. Pupils will learn to use these enquiry strategies confidently and know that different strategies may be needed at different times. Through different units of science, pupils will learn the following enquiry types:

- **Observing over time:** (Observing or measuring how one variable changes over time)
- **Identifying, comparing and classifying:** (Making observations to name, sort and organise items)
- **Comparative/fair testing:** (Changing one variable to see if its effect on another, whilst keeping all others the same)
- **Pattern seeking:** (Identifying patterns and looking for relationships in enquiries where variables are difficult to control)
- **Research:** (Use secondary sources of information to answer scientific questions)
- **Ideas over time:** (Research and find out how ideas about a concept have changed over a period of time)

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	Week 13
Autumn	The human body					Seasonal change	Everyday materials						Seasonal change
	Identifying, comparing and classifying	Comparative testing	Identify, comparing and classifying	Identify, comparing and classifying	Identify, comparing and classifying	Comparative testing	Identifying, comparing and classifying	Identifying, comparing and classifying	Pattern seeking	Identifying, comparing and classifying	Comparative testing	Comparative testing	Comparative testing
Spring	Planting A	Animals									Seasonal change	Planting B	
	Observing over time	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Comparative testing	Observing over time	Observing over time
Summer	Plants					Planting C		Cooking and nutrition			Seasonal change		
	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Research Ideas over time	Observing over time	Observing over time	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Comparative testing	Observing over time	Observing over time

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	Week 13	
Autumn	Animals and humans needs for survival					Everyday materials								
	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Comparative testing	Research Ideas over time	Identifying, comparing and classifying	
Spring	Plants (Light and dark)					Living things and their habitats							Plants (Light and dark)	
	Identifying, comparing and classifying Research using secondary sources	identifying, comparing and classifying	Observe over time Comparative testing	Observe over time Comparative testing	Observe over time Comparative testing	Identifying, comparing and classifying	Identifying, comparing and classifying	Comparative testing Observing over time	Comparative testing Observing over time	Research using secondary sources	Identifying, comparing and classifying	Observe over time Comparative testing	Observe over time Comparative testing	
Summer	Plants (Bulbs and seeds)					Growing up							Plants	
	identifying, comparing and classifying	identifying, comparing and classifying	Comparative testing Observing over time	Comparative testing Observing over time	Research using secondary sources	identifying, comparing and classifying	identifying, comparing and classifying	identifying, comparing and classifying	identifying, comparing and classifying	Observing over time	Pattern seeking	Observing over time	identifying, comparing and classifying	

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	Week 13
Autumn	Skeletons and movement					Nutrition and diet				Rocks			
	Research using secondary sources	Comparative testing	Identifying, comparing and classifying	Identifying, comparing and classifying	Pattern seeking	Identifying, comparing and classifying	Identifying, comparing and classifying	Ideas over time Research using secondary sources		Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying
Spring	Fossils		Soils				Light				Plants		
	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Research using secondary sources	Comparative testing Fair testing		Identifying, comparing and classifying	Comparative testing	Identifying, comparing and classifying	Comparative testing	Pattern seeking	Identifying, comparing and classifying	Observing over time
Summer	Plants					Forces and magnets							Plants
	Observing over time	Comparative testing	Observing over time	Identifying, comparing and classifying	Identifying, comparing and classifying	Comparative testing	Identifying, comparing and classifying	Comparative testing	Comparative testing	Identifying, comparing and classifying	Comparative testing	Identifying, comparing and classifying	Identifying, comparing and classifying

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	Week 13
Autumn	Living things						States of matter						
	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Pattern seeking	Pattern seeking	Identifying, comparing and classifying
Spring	Sound						Living things	Electricity					
	Pattern seeking	Identifying, comparing and classifying	Comparative testing	Comparative testing	Pattern seeking	Pattern seeking	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Comparative testing	Ideas over time Research using secondary sources	Identifying, comparing and classifying
Summer	Living things		Habitats		Digestion and food chains								
	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Comparative testing	Comparative testing	Comparative testing	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying

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	Week 13
Autumn	Forces					Space							
	Comparative testing Fair testing	Comparative testing Fair testing	Comparative testing Fair testing	Ideas over time Research using secondary sources	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Pattern seeking	Ideas over time Research using secondary sources	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying
Spring	Properties of materials				Animals including humans					Life cycles			
	Identifying, comparing and classifying	Comparative testing Fair testing	Comparative testing Fair testing	Comparative testing Fair testing	Identifying, comparing and classifying	Pattern seeking	Identifying, comparing and classifying	Identifying, comparing and classifying	Pattern seeking	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying
Summer	Reproduction A					Reversible and irreversible changes					Reproduction B		
	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Observing over time	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Observing over time	Observing over time

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	Week 13
Autumn	Living things and their habitats						Electricity						
	Identifying, comparing and classifying	Observing changes over time Research using secondary sources	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Ideas over time Research using secondary sources	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Pattern seeking	Ideas over time Research using secondary sources	Identifying, comparing and classifying
Spring	Light						The circulatory system						
	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Comparative testing Fair testing	Identifying, comparing and classifying	Identifying, comparing and classifying	Ideas over time Research using secondary sources	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying	Identifying, comparing and classifying
Summer	Evolution and inheritance										Year 7 transition project		
	Identifying, comparing and classifying	Identifying, comparing and classifying	Ideas over time Research using secondary sources	Ideas over time Research using secondary sources	Ideas over time Research using secondary sources	Ideas over time Research using secondary sources	Identifying, comparing and classifying	Identifying, comparing and classifying	Ideas over time Research using secondary sources	Ideas over time Research using secondary sources			