

Overview of science units and Enquiry questions by Year group and term.

In some cases there will be additional subsidiary enquiry questions included as part of a unit of work that don't appear on this plan

	Autumn 1	Autumn 2	Spring1	Spring2	Summer1	Summer2
Reception	<p>Investigate/ understand: All about me</p> <p>Enquiry question: How do I look after my body?</p>			<p>Investigate/ understand: Seasons</p> <p>Enquiry question: What happens in spring?</p>	<p>Investigate/ understand: Mini beasts</p> <p>Enquiry question: What is a life cycle?</p>	<p>Investigate/ understand: Plane journey to 4 contrasting environments e.g. The Polar Regions, The Rainforest, The Desert and our Local Environment.</p> <p>Enquiry question: How does ice change?</p>
Year 1	<p>Investigate/ understand: Materials</p> <p>Enquiry question: Which materials would be the most suitable to make Ted's umbrella from?</p>	<p>Investigate/ understand: Seasons Animals including humans</p> <p>Enquiry question: What are the observational changes from autumn to winter?</p> <p>Which animals live in the Arctic?</p>	<p>Investigate/ understand: Seasons</p> <p>Enquiry question: What are the observational changes from winter to spring?</p> <p>How much rain falls in a week?</p>	<p>Investigate/ understand: Plants</p> <p>Enquiry question: What do plants need to grow?</p>	<p>Investigate/ understand: Animals including humans</p> <p>Enquiry question: What do different parts of the body do?</p> <p>How do our senses work?</p>	<p>Investigate/ understand: Animals including humans</p> <p>Enquiry question: How can we identify and name a variety of common animals that are carnivores, herbivores and omnivores?</p>

Year 2	<p>Investigate/ understand: Animals including humans, healthy eating, exercise and hygiene</p> <p>Enquiry question: What makes a healthy meal?</p>	<p>Investigate/ understand: materials</p> <p>Enquiry question: Which wrapping paper is the strongest for Father Christmas to use?</p> <p>Can the shape of objects change?</p>	<p>Investigate/ understand: Living things and their habitats</p> <p>Animals including humans</p> <p>Enquiry question: Why do some animals like elephants and zebras live near Mugurameno village and not near Roche?</p> <p>What do animals and humans need to survive?</p>		<p>Investigate/ understand: Living things and their habitats</p> <p>Plants</p> <p>Enquiry question: What mini-beasts find micro-habitats at Roche School?</p> <p>What do my seeds and bulbs need to grow and stay healthy?</p>	<p>Investigate/ understand: Plants</p> <p>Enquiry question: Continuation of Summer 1</p>
Year 3	<p>Investigate/ understand: Animals including humans</p> <p>Enquiry question: How do humans stay healthy?</p> <p>Which bones offer support, movement and protection?</p>	<p>Investigate/ understand: Rocks and soils</p> <p>Enquiry question: Why don't all rocks look the same?</p>	<p>Investigate/ understand: Forces and magnets</p> <p>Enquiry question: Which surface has the most friction?</p> <p>Are all metals magnetic?</p>		<p>Investigate/ understand: Plants</p> <p>Rocks and Soils (soil objective)</p> <p>Enquiry question: What does a plant need to survive?</p> <p>Isn't soil just earth or mud?</p>	<p>Investigate/ understand: Light</p> <p>Enquiry question: How is a shadow formed?</p> <p>Does a shadow's size and shape change over a period of time?</p>

Year 4	<p>Investigate/ understand: Sound</p> <p>Enquiry question: How are sounds made?</p>	<p>Investigate/ understand: Electricity</p> <p>Enquiry question: How can you make a light bulb light up?</p>	<p>Investigate/ understand: Animals including humans</p> <p>Enquiry question: Is the digestive system longer than..?</p>	<p>Investigate/ understand: States of matter</p> <p>Enquiry question: Does temperature affect the rate of evaporation?</p>		<p>Investigate/ understand: Living things and habitats</p> <p>Enquiry question: How are living things classified?</p> <p>What is the impact of deforestation?</p>
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Year 5	<p>Investigate/ understand: Earth and space</p> <p>Enquiry question: What is Space?</p> <p>Does the drop height of a meteor affect the size of the crater?</p>	<p>Investigate/ understand: Forces</p> <p>Enquiry question: What is a force?</p> <p>Can I make a safer parachute?</p>		<p>Investigate/ understand: Properties of materials</p> <p>Enquiry question: Are all changes permanent?</p> <p>Which cup will keep Miss Goatman's coffee warmest the longest?</p>	<p>Investigate/ understand: Living things and their habitats</p> <p>Animals inc. humans</p> <p>Enquiry question: Do all living things have the same Life cycle?</p>	
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Year 6		<p>Investigate/understand: Evolution and inheritance</p> <p>Enquiry question: How can we organise animals into different groups? Why would we do this?</p> <p>How do we know that living things used to inhabit the Earth? How and why have they changed over time?</p> <p>What is the importance of fossils and how are they formed?</p> <p>How do different sorting and classifying diagrams work?</p>	<p>Investigate/understand: Electricity</p> <p>Enquiry question: Can the outcome of a circuit be change?</p> <p>How can you prove this?</p>	<p>Investigate/understand: Light</p> <p>Enquiry question: How does light travel?</p>		<p>Investigate/understand: Animals including humans</p> <p>Enquiry question: What is the circulatory system? How does it work? What might affect how it functions?</p> <p>What effects how our bodies function and what are the impact of these effects?</p>
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