



Science Overview - Year 2



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Term 1	<p>Science: Living things and their habitats.</p> <p>Lesson 1: Living, Dead and Never Alive</p> <p>LO: To compare the differences between things that are living, dead and have never been alive and answer questions about them.</p> <p>Sc:WS5</p> <p>Y2:Sc: LT1</p> <p>Big Idea (Aspects): Nature (Identification & classification) Nature (Survival) Investigation(Questioning) Investigation (Observation) Comparison (Physical things) Comparison (Physical things)</p>	<p>Science: Living things and their habitats.</p> <p>Lesson 2: Local Habitats</p> <p>LO: To map a habitat and identify what is in it and classify objects as those that are living, dead and those that have never been alive.</p> <p>Sc:WS4</p> <p>Y2:Sc: LT3</p> <p>Big Idea (Aspects): Nature (Identification & classification) Investigation(Questioning) Investigation (Observation) Investigation (Report & conclude) Investigation(Gather & record data) Creativity (Report & conclude) Creativity (Gather & record data)</p>	<p>Science: Living things and their habitats.</p> <p>Lesson 3: Microhabitats</p> <p>LO: To identify animals in their habitats and use information I have gathered to answer a question.</p> <p>Sc:WS6</p> <p>Y2:Sc: LT3</p> <p>Big Idea (Aspects): Nature (Identification & classification) Investigation(Questioning) Investigation(Investigation) Investigation(Gather & record data) Creativity (Gather & record data) Processes(Earth) Comparison (Physical things) Place (Habitats)</p>	<p>Science: Living things and their habitats.</p> <p>Lesson 4: World Habitats</p> <p>LO: To describe a habitat and identify animals live in it and ask and answer questions about habitats.</p> <p>Sc:WS1</p> <p>Y2:Sc: LT2</p> <p>Big Idea (Aspects): Nature (Identification & classification) Nature (Survival) Processes (Earth) Processes(Earth) Place (Habitats) Humankind (Staying safe)</p>	<p>Science: Living things and their habitats.</p> <p>Lesson 5: Living, Dead and Never Alive</p> <p>LO: To identify how an animal is suited to its habitat and explain how living things in a habitat depend on each other.</p> <p>Y2:Sc: LT2</p> <p>Big Idea (Aspects): Nature (Identification & classification) Nature (Nutrition) Nature (Survival) Investigation (Observation) Creativity (Gather & record data) Processes(Earth) Place (Habitats)</p>	<p>Science: Living things and their habitats.</p> <p>Lesson 6: Food Chains</p> <p>LO: To describe how animals get their food.</p> <p>Y2:Sc: LT4</p> <p>Big Idea (Aspects): Nature (Identification & classification) Nature (Nutrition) Nature (Survival) Creativity (Gather & record data) Comparison (Physical things) Place (Habitats)</p>



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	Humankind (Staying safe)	Comparison (Physical things) Comparison (Physical things) Place (Habitats) Humankind (Staying safe)				
Term 2	Science: Animals including humans. Lesson 1: Animal Offspring L.O. To match, sort and group young animals and their adults. Sc:WS5 Sc:WS6 Y2:Sc: A1 Big Idea (Aspect) Nature (Identification & classification) Investigation (Questioning) Investigation (Observation) Comparison (Physical things) Place (Habitats) Humankind (Humankind)	Science: Animals including humans. Lesson 2: Life Cycles L.O. To find out how animals change as they grow into adults. Sc:WS5 Sc:WS6 Y2:Sc: A1 Big Idea (Aspect) Nature (Identification & classification) Investigation (Questioning) Investigation (Observation) Comparison (Physical things) Place (Habitats) Humankind (Humankind)	Science: Animals including humans. Lesson 3: Growing Up L.O. To compare the stages of the human life cycle. Sc:WS1 Sc:WS5 Y2:Sc: A1 Big Idea (Aspect) Nature (Identification & classification) Investigation (Questioning) Investigation (Observation) Comparison (Physical things) Humankind (Humankind)	Science: Animals including humans. Lesson 4: Survival L.O. To research and describe what animals, including humans, need to survive. Sc:WS5 Sc:WS6 Y2:Sc: A2 Big Idea (Aspect) Nature (Survival) Nature (Identification & classification) Investigation (Questioning) Investigation (Observation) Place (Habitats) Humankind (Humankind)	Science: Animals including humans. Lesson 5: Exercise L.O. To test the effects of exercise on the human body. Sc:WS1 Sc:WS2 Sc:WS3 Sc:WS5 Sc:WS6 Y2:Sc: A3 Big Idea (Aspect) Nature (Identification & classification) Nature (Survival) Investigation (Questioning) Investigation (Measurement) Investigation (Investigation)	Science: Animals including humans. Lesson 6: Healthy Living L.O. To investigate the importance of healthy eating and hygiene. Sc:WS2 Sc:WS3 Sc:WS4 Sc:WS5 Sc:WS6 Y2:Sc: A3 Big Idea (Aspect) Nature (Survival) Investigation (Questioning) Investigation (Measurement) Investigation (Investigation) Investigation (Report & conclude)



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					Investigation (Report & conclude) Investigation (Gather & record data) Creativity (Report & conclude) Creativity (Gather & record data) Humankind (Humankind) Humankind (Staying safe) Humankind (Healthy lifestyle)	Investigation (Gather & record data) Creativity (Report & conclude) Creativity (Gather & record data) Humankind (Staying safe)
Term 3	Science: Uses of everyday materials. Lesson 1: Identifying Uses LO: To identify uses of different everyday materials Y2:Sc: EM1 Big Idea (Aspect): Investigation (Questioning) Investigation (Observation) Investigation (Gather & record data)	Science: Uses of everyday materials. Lesson 2: Out and About LO: To identify and group the uses of everyday materials and record my observations. Sc:WS4 Sc:WS6 Y2:Sc: EM1 Big Idea (Aspect): Investigation (Questioning) Investigation (Observation) Investigation (Gather & record data)	Science: Uses of everyday materials. Lesson 3: Comparing Suitability LO: To compare the suitability of different everyday materials Y2:Sc: EM1 Big Idea (Aspect): Investigation (Questioning) Investigation (Observation) Processes (Changes) Comparison (Physical things)	Science: Uses of everyday materials. Lesson 4: Changing Shape LO: To explain how the shapes of objects made from some materials can be changed. Y2:Sc: EM2 Big Idea (Aspect): Investigation (Questioning) Investigation (Measurement) Investigation (Investigation) Investigation (Observation)	Science: Uses of everyday materials. Lesson 5: Recycling LO: To explain the process of recycling. Y2:Sc: EM2 Big Idea (Aspect): Investigation (Questioning) Investigation (Observation) Investigation (Gather & record data) Creativity (Gather & record data) Processes (Changes)	Science: Uses of everyday materials. Lesson 6: Discovering New Materials LO: To tell you about the inventor John McAdam Big Idea (Aspect): Processes (Changes) Significance (Significant Events) Significance (Significant People) Materials (Properties and Uses)



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	Creativity (Gather & record data) Processes (Changes) Comparison (Physical things) Materials (Properties and Uses)	Creativity (Gather & record data) Processes (Changes) Comparison (Physical things) Materials (Properties and Uses)	Materials (Properties and Uses)	Investigation (Report & conclude) Investigation (Gather & record data) Creativity (Report & conclude) Creativity (Gather & record data) Processes (Changes) Comparison (Physical things) Materials (Properties and Uses)	Comparison (Physical things) Materials (Properties and Uses)	
Term 4	Science: Biodiversity Minibeasts Lesson 1 L.O. To identify and name a variety of minibeasts and their habitats Sc:WS2, Sc:WS1, Sc:WS5, Sc:WS6 Big ideas (aspects): Nature (Identification & classification) Investigation (Gather & record data, Observation, Questioning)	Science: Biodiversity Minibeasts Lesson 2 L.O. To explain the importance of bees and pollination. Sc:WS2, Y2:Sc: LT2, Y2:Sc: LT3, Y2:Sc: P2 Big ideas (aspects): Nature (Parts & function, Identification & classification) Place (Habitats) Investigation (Observation)	Science: Biodiversity Minibeasts Lesson 3 L.O. To research minibeasts and explain their importance. Sc:WS1, Sc:WS6, Y2:Sc: LT3, Y2:Sc: LT2, Y2:Sc: LT4, Y2:Sc: P2 Big ideas (aspects): Nature (Parts & function, Identification & classification, Nutrition) Place (Habitats) Investigation (Questioning, Gather & record data)	Science: Biodiversity Minibeasts Lesson 4 L.O. To show how a microhabitat is suitable for a minibeast. Sc:WS2, Sc:WS1, Y2:Sc: LT3, Sc:WS5, Y2:Sc: LT2, Y2:Sc: P2 Big ideas (aspects): Nature (Parts & function, Identification & classification) Place (Habitats)	Science: Biodiversity Minibeasts Lesson 5 L.O. To describe the importance of worms for healthy soil. Sc:WS2, Sc:WS1, Y2:Sc: LT3, Y2:Sc: LT4, Sc:WS5, Y2:Sc: LT2, Y2:Sc: P2 Big ideas (aspects): Nature (Parts & function, Identification & classification, Nutrition) Investigation (Observation, Questioning)	Science: Biodiversity Minibeasts Lesson 6 L.O. To explain the importance and needs of minibeasts and microhabitats. Sc:WS2, Y2:Sc: LT3, Y2:Sc: LT2, Y2:Sc: P2 Big ideas (aspects): Nature (Parts & function, Identification & classification) Investigation (Observation)



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	Creativity (Gather & record data)		Creativity (Gather & record data)	Investigation (Questioning, Observation)	Place (Habitats)	Place (Habitats)
Term 5	<p>Science: Plants</p> <p>Lesson 1: What Do Plants Need to Grow?</p> <p>LO: To design and set up a test to find out what plants need to stay healthy. Sc:WS2</p> <p>Big Idea (Aspect): Nature (Identification & classification, Parts & function) Investigation(Questioning, Measurement, Investigation) Change (Living things)</p>	<p>Science: Plants</p> <p>Lesson 2: What's Inside a Seed?</p> <p>LO: To look closely at the parts of a seed that will grow into a plant and explain how it will germinate. Sc:WS3 , Y2:Sc: P1</p> <p>Big Idea (Aspect): Nature (Identification & classification, Parts & function) Investigation(Questioning, Measurement, Investigation) Change (Living things)</p>	<p>Science: Plants</p> <p>Lesson 3: Life Cycle of a Plant</p> <p>LO: To describe the life cycle of a plant. Sc:WS5, Y2:Sc: P1</p> <p>Big Idea (Aspect): Nature (Identification & classification, Parts & function) Investigation(Questioning, Measurement) Change (Living things)</p>	<p>Science: Plants</p> <p>Lesson 4: What Do Plants Need to Stay Healthy? Part 1</p> <p>LO: To explain what plants need to grow and stay healthy. Sc:WS6, Y2:Sc: P2</p> <p>Big Idea (Aspect): Nature (Identification & classification, Parts & function) Investigation(Questioning, Measurement, Observation, Report & conclude) Creativity (Report & conclude) Change (Living things)</p>	<p>Science: Plants</p> <p>Lesson 5: What Do Plants Need to Stay Healthy? Part 2</p> <p>LO: To describe what happens if plants don't get all the things they need. Sc:WS5, Y2:Sc: P2</p> <p>Big Idea (Aspect): Change (Living things) Nature (Parts & function) Investigation(Questioning, Measurement, Observation, Report & conclude) Creativity (Report & conclude)</p>	<p>Science: Plants</p> <p>Lesson 6: How Do Plants Grow in Hot, Dry or Cold Places?</p> <p>LO: To explain how plants are suited to their habitats. Sc:WS2, Y2:Sc: P1</p> <p>Big Idea (Aspect): Change (Living things) Nature (Identification & classification, Parts & function) Investigation(Questioning, Measurement, Observation) Processes(Earth) Place (Habitats)</p>



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Term 6	Science: Scientists and inventors.	Science: Scientists and inventors.	Science: Scientists and inventors.	Science: Scientists and inventors.	Science: Scientists and inventors.	Science: Scientists and inventors.
	Lesson 1: Greenhouse Growing	Lesson 2: Brilliant Botany	Lesson 3: Doctor's Surgery	Lesson 4: Discovering Germs	Lesson 5: Charles Macintosh	Lesson 6: Rachel Carson
	L.O. To describe how greenhouses help plants grow healthily and observe whether plants grow best inside or outside of a greenhouse.	L.O. To identify different parts of plants and use a magnifying glass to help draw different parts of plants.	L.O. To use my own ideas to explain how doctors use science and describe what is important in order to stay healthy.	L.O. To describe Louis Pasteur's life and work and find out why we wash our hands.	L.O. To describe Charles Macintosh and his famous invention and investigate the most suitable fabric for a particular use.	L.O. To describe what Rachel Carson learnt about ocean habitats and investigate her findings on water pollution.
	Y2:Sc: P2	Sc:WS2	Y2:Sc: A3	Y2:Sc: A3	Y2:Sc: EM1	Sc:WS2
	Big ideas (aspects):	Big ideas (aspects):	Big ideas (aspects):	Big ideas (aspects):	Big ideas (aspects):	Big ideas (aspects):
	Nature (Identification & classification, Parts & function)	Nature (Identification & classification, Parts & function)	Nature (Survival)	Investigation (Questioning, Measurement, Investigation)	Nature (Survival)	Nature (Identification & classification, Nutrition, Survival)
	Investigation (Questioning, Measurement, Investigation, Observation, Report & conclude, Gather & record data)	Investigation (Questioning, Measurement, Observation)	Humankind (Staying safe, Healthy lifestyle)	Humankind (Healthy lifestyle)	Investigation (Questioning, Measurement, Investigation, Observation, Report & conclude, Gather & record data)	Investigation (Questioning, Measurement, Investigation, Report & conclude, Gather & record data)
	Creativity (Report & conclude, Gather & record data)	Change (Living things)	Significance (Significant Events, Significant People)	Significance (Significant Events, Significant People)	Creativity (Report & conclude, Gather & record data)	Creativity (Report & conclude, Gather & record data)
	Place (Habitats)				Processes (Earth)	Processes (Earth, Earth)
	Significance (Significant People)	Significance (Significant People)			Comparison (Physical things)	Place (Habitats)
					Significance (Significant Events, Significant People)	Significance (Significant People)
					Materials (Properties and Uses)	
						Lesson 7: Wind Power



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						<p>L.O. To answer questions about the invention of wind turbines.</p> <p>Sc:WS5</p> <p>Big ideas (aspects):</p> <p>Investigation(Questioning)</p> <p>Processes (Earth)</p> <p>Significance (Significant Events, Significant People)</p>
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