



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





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





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





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





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





#### Term 6

Science: Scientists and inventors.

# Lesson 1: Greenhouse Growing

**L.O.** To describe how greenhouses help plants grow healthily and observe whether plants grow best inside or outside of a greenhouse.

Y2:Sc: P2
Big ideas (aspects):

**Nature** (Identification & classification, Parts & function)

Investigation(Questionin g, Measurement, Investigation, Observation, Report &

Observation, Report & conclude, Gather & record data)

**Creativity** (Report & conclude, Gather & record data)

Change (Living things)
Place (Habitats)
Significance (Significant
People)

Science: Scientists and inventors.

#### **Lesson 2: Brilliant Botany**

**L.O.** To identify different parts of plants and use a magnifying glass to help draw different parts of plants.

Sc:WS2

### Big ideas (aspects):

**Nature** (Identification & classification, Parts & function)

**Investigation**(Questioning, Measurement, Observation)

**Change** (Living things) **Significance** (Significant People)

Science: Scientists and inventors.

# Lesson 3: Doctor's Surgery

**L.O.** To use my own ideas to explain how doctors use science and describe what is important in order to stay healthy.

Y2:Sc: A3 Sc:WS5

## Big ideas (aspects):

Nature (Survival)

**Humankind** (Staying safe, Healthy lifestyle)

**Significance** (Significant Events, Significant People)

Science: Scientists and inventors.

# Lesson 4: Discovering Germs

**L.O.** To describe Louis Pasteur's life and work and find out why we wash our hands.

Y2:Sc: A3 Sc:WS5

### Big ideas (aspects):

Investigation(Questioning, Measurement, Investigation)

**Humankind** (Healthy lifestyle)

**Significance** (Significant Events, Significant People)

Science: Scientists and inventors.

#### Lesson 5: Charles Macintosh

**L.O.** To describe Charles Macintosh and his famous invention and investigate the most suitable fabric for a particular use.

Y2:Sc: EM1
Big ideas (aspects):

Nature (Survival)
Investigation(Questionin

g, Measurement,
Investigation,

Observation, Report & conclude, Gather & record data)

**Creativity** (Report & conclude,

Gather & record data)
Processes (Earth)

**Comparison** (Physical things)

**Significance** (Significant Events, Significant People)

**Materials** (Properties and Uses)

Science: Scientists and inventors.

#### **Lesson 6: Rachel Carson**

**L.O.** To describe what Rachel Carson learnt about ocean habitats and investigate her findings on water pollution.

Sc:WS2 Y2:Sc: LT4

Big ideas (aspects):

**Nature** (Identification & classification, Nutrition,

Survival)

People)

**Investigation**(Questionin g, Measurement,

Investigation, Report & conclude, Gather & record data)

**Creativity** (Report & conclude, Gather & record data)

Processes (Earth, Earth)
Place (Habitats)
Significance (Significant

Lesson 7: Wind Power







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