



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Term 1	Sound	Sound	Sound	Sound	Sound	Sound
Termin	Lesson 1: Good Vibrations	Lesson 2: Hearing Sounds	Lesson 3: Higher and Lower	Lesson 4: String Telephone	Lesson 5: Soundproofing	Lesson 6: Making Music
	LO: To describe and explain sound sources. Y4:Sc: S1, Y4:Sc: S4 Big Idea (Aspect): Processes (Pattern seeking, Phenomena) Investigation (Questioning, Measurement, Investigation, Observations, Report & conclude, Gather & record data) Creativity (Report & conclude, Gather & record data)	LO: To explain how different sounds travel. Y4:Sc: S3, Y4:Sc: S1, Y4:Sc: S2 Big Idea (Aspect): Processes (Pattern seeking, Phenomena) Comparison (Phenomena)	Lo: To explore ways to change the pitch of a sound. Y4:Sc: S1, Sc:WS3, Sc:WS4 Big Idea (Aspect): Processes (Pattern seeking, Phenomena) Investigation (Questioning, Measurement, Observations, Report & conclude, Gather & record data) Creativity (Report & conclude, Gather & record data) Creativity (Report & conclude, Gather & record data) Comparison (Phenomena)	LO: To investigate ways to absorb sound. Y4:Sc: S5, Y4:Sc: S1, Y4:Sc: S2, Sc:WS5 Big Idea (Aspect): Processes (Pattern seeking, Phenomena, Modelling) Investigation (Questioning, Report & conclude) Creativity (Report & conclude) Comparison (Phenomena)	LO: To investigate ways to absorb sound. Y4:Sc: S2, Sc:WS1, Sc:WS2, Sc:WS3, Sc:WS4, Sc:WS6, Sc:WS7, Sc:WS9 Big Idea (Aspect): Processes (Phenomena) Investigation (Questioning, Measurement, Investigation, Observations, Report & conclude, Gather & record data) Creativity (Report & conclude, Gather & record data) Comparison (Phenomena)	LO: To make a musical instrument to play different sounds Y4:Sc: S1, Y4:Sc: S2, Sc:WS5 Big Idea (Aspect): Processes (Phenomena) Processes (Pattern seeking) Comparison (Phenomena)





	Science: Animals	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: Tooth Decay LO: To discuss how to keep teeth healthy; plan and set up an investigation into tooth decay Y4:Sc: A1, Sc:WS3 Big Idea (Aspect): Nature (Parts & function) Humankind (Human Body, Healthy lifestyle, Healthy lifestyle) Investigation (Questioning, Measurement, Investigation, Observations, Gather & record data) Creativity (Gather & record data)	Lesson 2: Types of Teeth LO: To draw conclusions from an investigation about keeping teeth healthy and to identify and examine different types of teeth. Y4:Sc: A1, Sc:WS9 Big Idea (Aspect): Nature (Parts & function) Humankind (Human Body, Healthy lifestyle, Healthy lifestyle) Investigation (Questioning, Measurement, Investigation, Observations, Report & conclude, Gather & record data) Creativity (Report & conclude, Gather & record data)	Lesson 3: Parts of the Digestive System LO: To identify the parts of the digestive system and their function. Y4:Sc: A2, Sc:WS8 Big Idea (Aspect): Nature (Parts & function) Humankind (Human Body, Healthy lifestyle)	Lesson 4: The Digestion Process LO: To demonstrate and explain the process of digestion. Sc:WS1, Sc:WS2 Big Idea (Aspect): Humankind (Human Body) Creativity (Report & conclude)	Lesson 5: Food Chains LO: To construct food chains for different habitats and explain findings using the correct scientific language. Y4:Sc: A3, Sc:WS3, Sc:WS5, Sc:WS7 Big Idea (Aspect): Nature (Identification & classification, Nutrition, Survival) Humankind (Human Body) Place (Habitats) Investigation (Questioning)	Lesson 6: Animal Teeth LO: To compare the teeth of different animals and link this with their roll in a food chain. Y4:Sc: A3 Big Idea (Aspect): Nature (Identification & classification, Parts & function, Nutrition, Survival) Humankind (Human Body)







Term 3	Science: Sates of Matter	Science: Sates of Matter	Science: Sates of Matter	Science: Sates of Matter	Science: Sates of Matter	Science: Sates of Matter
	Lesson 1: Solid, Liquid or Gas?	Lesson 2: Investigating Gases	Lesson 3: Heating and Cooling	Lesson 4: Wonderful Water	Lesson 5: Evaporation Investigation	Lesson 6: The Water Cycle
	LO: To sort and describe materials. Y4:Sc: SM1	LO: To investigate gases and explain their properties Y4:Sc: SM1	LO: To investigate materials as they change state. Y4:Sc: SM2, Sc:WS2,	LO: To explore how water changes state. Y4:Sc: SM2	LO: To investigate how water evaporates. Y4:Sc: SM2, Y4:Sc: SM3, Sc:WS2, Sc:WS3, Sc:WS6,	LO: To identify and describe the different stages of the water cycle. Y4:Sc: SM3
	Big Idea (Aspect): Materials (Identification and Classification)	Big Idea (Aspect): Materials (Identification and Classification)	Sc:WS3, Sc:WS4, Sc:WS5, Sc:WS6, Sc:WS9 Big Idea (Aspect): Materials (Identification and Classification) Processes (Changes) Investigation (Investigation, Gather & record data, Report & conclude, Observations) Creativity (Report & conclude, Gather & record data)	Big Idea (Aspect): Materials (Identification and Classification) Processes (Changes)	Sc:WS9 Big Idea (Aspect): Materials (Identification and Classification) Processes (Changes, Earth)	Big Idea (Aspect): Materials (Identification and Classification) Processes (Changes, Earth) Investigation (Investigation, Report & conclude, Observations) Creativity (Report & conclude)
Term 4	Science: Living things and their habitats.	Science: Living things and their habitats.	Science: Living things and their habitats.	Science: Living things and their habitats.	Science: Living things and their habitats.	Science: Living things and their habitats.
	Lesson 1: Grouping Living Things	Lesson 2: Classifying Vertebrates	Lesson 3: Invertebrate Hunt	Lesson 4: Classification Keys	Lesson 5: Local Habitat Survey	Lesson 6: Environmental Changes





	LO: To group living things in a range of ways and use	LO: To generate questions to use in a classification	LO: To create a classification key use	LO: To create a classification key and show	LO: To recognise positive and negative changes to	LO: To describe environmental dangers to
	a range of methods to sort living things. Y4:Sc: LT1, Sc:WS4	key and identify vertebrates by observing their similarities and differences.	evidence to identify an invertebrate. Y4:Sc: LT2, Sc:WS9	the characteristics of living things in a table and a key. Y4:Sc: LT2, Sc:WS4	the local environment and record my observations in different ways.	endangered species and present my findings orally and in writing. Y4:Sc: LT3, Sc:WS6
	Big Idea (Aspect):	Y4:Sc: LT2, Sc:WS8	Big Idea (Aspect):	Big Idea (Aspect):	Y4:Sc: LT3, Sc:WS5	14.36. 213, 36.1130
	Nature (Identification & classification) Investigation (Questioning, Gather & record data) Creativity (Gather & record data)	Big Idea (Aspect): Nature (Identification & classification) Investigation (Questioning, Gather & record data) Creativity (Gather & record data)	Nature (Identification & classification)	Nature (Identification & classification) Investigation (Questioning, Gather & record data) Creativity (Gather & record data)	Big Idea (Aspect): Nature (Identification & classification, Nutrition) Change (Living things) Place (Habitats)	Big Idea (Aspect): Nature (Identification & classification, Nutrition) Change (Living things) Place (Habitats)
Tayın F	Science: Electricity	Science: Electricity	Science: Electricity	Science: Electricity	Science: Electricity	Science: Electricity
Term 5	Lesson 1: Appliances LO: To classify and	Lesson 2: Making Circuits LO: To identify circuit	Lesson 3: Complete Circuits	Lesson 4: Conductors and Insulators	Lesson 5: Switches LO: To explain how a	Lesson 6: Electrical Discussions
	present data, identifying common appliances that run on electricity. Sc:WS9, Y4:Sc: E1	components and build working circuits. Y4:Sc: E1	LO: To investigate whether circuits are complete or incomplete. Y4:Sc: E2, Y4:Sc: E3,	LO: To investigate which materials are electrical conductors or insulators. Y4:Sc: E2, Y4:Sc: E5,	switch works in a circuit, build switches and report my findings. Y4:Sc: E2, Y4:Sc: E4,	LO: To discuss and solve problems about electricity using reasoning skills.
		Big Idea (Aspect):	Sc:WS7	Sc:WS3	Big Idea (Aspect):	Y4:Sc: E2, Sc:WS5,
	Big Idea (Aspect):	Humankind (Staying safe)		Big Idea (Aspect):	Humankind (Staying	Sc:WS6
	Investigation (Questioning, Gather & record data)	Processes (Forces, Modelling, Modelling)	Big Idea (Aspect): Humankind (Staying safe)	Humankind (Staying safe) Processes (Forces, Modelling, Modelling)	safe) Processes (Forces, Modelling, Modelling)	Big Idea (Aspect):





	Creativity (Gather & record data) Comparison (Physical things)	Comparison (Physical things)	Processes (Forces, Modelling, Modelling) Materials (Properties and Uses) Investigation (Questioning, Investigation, Report & conclude, Gather & record data) Creativity (Report & conclude, Gather & record data)	Materials (Properties and Uses) Investigation (Questioning, Investigation, Observations, Report & conclude, Gather & record data) Creativity (Report & conclude, Gather & record data)	Comparison (Physical things) Materials (Properties and Uses)	Humankind (Staying safe) Processes (Forces) Comparison (Physical things) Materials (Properties and Uses) Creativity (Report & conclude) Investigation (Questioning, Report & conclude)
Term 6	Science: Scientists and	Science: Scientists and	Science: Scientists and	Science: Scientists and	Science: Scientists and	Science: Scientists and
	inventors.	inventors.	inventors.	inventors.	inventors.	inventors.
	Lesson 1: Madagascar in Danger	Lesson 2: Alexander Graham Bell	Lesson 3: Maria Telkes LO: To build a solar oven	Lesson 4: Garrett Morgan LO: To build a traffic light	Lesson 5: Discovering Oxygen	Lesson 7: Thomas Edison and Lewis Latimer
	LO: To explore deforestation and	LO: To describe Alexander Graham Bell and his	and explain how the temperature changes inside	using series circuits. Y4:Sc: E2, Y4:Sc: E4	LO: To describe the properties of oxygen gas	LO: To explore the impact of electrical inventions by
	conservation in	inventions and present my	it.		and explain how oxygen	inventors such as Thomas
	Madagascar and set up an	findings.	Sc:WS3	Big Idea (Aspect):	was discovered.	Edison and Lewis Latimer.
	enquiry to find out about	Sc:WS6, Y4:Sc: S2		Humankind (Staying safe)	Sc:WS3, Sc:WS8, Y4:Sc:	Sc:WS8, Y4:Sc: E1
	soil erosion.	Big Idea (Aspect):	Big Idea (Aspect):	Processes (Forces,	SM1	District (Associate)
	Sc:WS2, Sc:WS6, Y4:Sc: LT3	Processes (Phenomena) Significance (Significant	Processes (Modelling) Investigation	Modelling, Modelling)	Big Idea (Aspect):	Big Idea (Aspect): Comparison (Physical
	Big Idea (Aspect):	Events, Significant People)	(Questioning,		Processes (Changes)	things)
	Nature (Identification &	Events, significant reopte/	Measurement,		Investigation	Significance (Significant
	classification)		Investigation, Report &		(Questioning,	Events, Significant
	Change (Living things) Place (Habitats)		conclude, Gather & record data)		Measurement, Investigation,	People)





Processes (Earth)	Creativity (Report &	Observations, Report &	Lesson 8: Toothpaste
Investigation	conclude, Gather & record	conclude)	
(Questioning,	data)	Creativity (Report &	LO: To identify ways to
Investigation, Report &	Comparison (Physical	conclude)	look after our teeth and
conclude)	things)	Materials (Identification	investigate the invention
Creativity (Report &	Significance (Significant	and Classification)	of toothpaste.
conclude)	Events, Significant People)	Significance (Significant	Sc:WS9, Y4:Sc: A2
Significance (Significant		Events, Significant	
People)		People)	Big Idea (Aspect):
			Humankind (Healthy
		Lesson 6: Absolute Zero	lifestyle, Healthy lifestyle)
			Investigation
		LO: To explain what Lord	(Questioning,
		Kelvin called 'absolute	Measurement,
		zero' and accurately use a	Investigation,
		thermometer.	Observations, Report &
		Y4:Sc: SM2	conclude, Gather & record
			data)
		Big Idea (Aspect):	Creativity (Report &
		Processes (Changes)	conclude, Gather & record
		Significance (Significant	data)
		Events, Significant	Significance (Significant
		People)	Events, Significant
			People)