Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
У4	Animals including	Sound Sound origins	States of Matter Solids liquids and	Living things and their habitats	Electricity	Living things and their habitats
	humans	Sound travels	gases		Electrical	
		through the ear	Change of state	Environmental	appliances	Grouping of
	Digestive	Pitch	Evaporation and	changes and	Circuit	animals
	system	Sound gets	condensation-water	dangers	Switches	
	Teeth	fainter	cycle	(Links to	Conductors and	Classification
	Food chain			Geography)	insulators	keys
					Links to English	
Topic take Aways	I can identify	I know that	I can group	I know that	I can identify	I know that
	and name the	sound is a type	materials based on	changes to an	and name 6	plants and
	parts of the	of energy.	whether they are a	environment can	appliances	animals can be
	human	Sounds are	solid, a liquid or a	be natural or	that require	grouped in
	digestive	created by	gas.	caused by	electricity to	different ways
	system.	vibrations which	gus.	humans.	function.	based on their
	3,316111.	spread out over	I can describe how	Hamans.	function.	characteristics.
	I can explain	distance.	materials can	I know that	I know that a	characteristics.
	the functions	distunce.	change state (such	changes can be	circuit is a	I know that
	·	I know that	,	_		classification
	of the organs		as heat causing	positive as well	pathway that	
	in the human	sound vibrations	solids to change to	as negative.	electricity	keys can be used
	digestive	pass through air	liquids and vice		can flow	to help group,
	system.	particles until	versa)	I can explain how	around.	identify and
		the particle		changes might		name living
	I can identify	next to your ear	I can explore and	endanger living	I can	things.
	the different	vibrates.	explain how water	things.	construct a	
	types of		changes state.		series circuit.	I can create my
	'/					own

te	eeth in	I know how	I can measure the	I can give 2	I can identify	classification
h	iumans.	sound travels	temperatures at	examples of	and name the	key.
		through the ear	which water	natural things	components in	
I	can	and then is	changes state.	that can change	a series	
d	lescribe the	changed into		an environment	circuit (cells,	
f	unctions of	electrical signals	I can explain the	(such as storms	wires, bulbs,	
+1	he different	which are sent	water cycle.	or earthquakes)	switches and	
te	eeth in	to the brain.			buzzers.)	
h	iumans.		I can explain	I can give 2		
		I know that	evaporation and	examples of	I can draw a	
I	can use and	pitch is how high	condensation in the	human made	circuit	
C	onstruct	or low a sound is	water cycle.	changes (such as	diagram.	
f	ood chains	and this can be		pollution or		
te	o identify	changed. Faster		deforestation).	I can predict	
þ	roducers,	vibrations			and test	
þ	redators and	create a higher			whether a	
þ	rey.	pitch and sower			lamp will light	
		vibrations			in my circuit.	
		create lower				
		pitch.			I can	
					describe the	
		I know that the			difference	
		size of the			between a	
		vibration			conductor and	
		affects the			an insulator.	
		volume of the				
		sound.			I can give an	
					example of a	
					conductor and	

					an insulator. (E.g. Metal is a good conductor and wood is a good insulator.)	
Working Scientifically (skills ongoing throughout)	I can ask relevant questions and suggest how to answer them, using different types of scientific enquiry.	I can take measurements using different equipment and units of measure and record what they have found in a range of ways.  I can make a prediction based on something I have found out and then ask further questions based on data and observations.	I can plan and set up a fair test, explaining why it was fair and which variables have been isolated  I can make systematic and careful observations and take accurate measurements using standard units.	I can report on findings in different ways, including oral and written explanation, displays or presentations of results and conclusions.	I can evaluate what I have found using scientific language, drawings, labelled diagrams, bar charts and tables.  I can identify differences, similarities or changes related to simple scientific ideas or processes.	I can use straightforward scientific evidence to answer questions or support my findings.

Science	Can I	Can I	Can I investigate	Can I explore	Can I explore	Can I explore
Investigation	investigate	investigate how	solids, liquids and	how	simple	human and
3	the digestive	sound travels?	gases?	environments	circuits?	animal
	system?	Explore how	Freeze different	changing can		classification?
	Show the	sound is made	types of water and	cause harm to	Make a simple	Children sort
	digestive	through	compare	living things?	series circuit	and classify a
	system	vibrations using	Read temperature	Explore and	Test	wide variety of
	through	musical	around school	research how	insulators and	animals,
	simulating the	instruments	Observe/record	endangered	conductors	including
	different	Experiment with	evaporation of	animal are being	Explore	humans.
	organs and	tuning forks in	puddles	affected by	adding a	
	processes	water, rice on	Show condensation	environmental	switch to a	
	'	drums to show	by breathing on	change.	circuit.	
		vibrations	cold surface	Bees		
		Explore pitch on	Recreate water	Water voles		
		stringed	cycle in a bag and	Newts		
		instruments,	discuss evaporation,	Tigers		
		different sized	condensation and	etc		
		drums and	precipitation.			
		glockenspiels.				
		Measure				
		decibels using				
		APP				
Vocabulary	movement,	volume,	solid, liquid, gas,	vertebrates,	cells, wires,	vertebrates,
•	muscles,	vibration, wave,	evaporation,	fish, amphibians,	bulbs,	fish, amphibians,
	bones, skull,	pitch, tone,	condensation,	reptiles, birds,	switches,	reptiles, birds,
	nutrition,	speaker	particles,	mammals, slugs,	buzzers,	mammals, slugs,
	skeletons			invertebrates,	battery,	invertebrates,

		temperature,	snails, worms,	circuit,	snails, worms,
		freezing, heating	spiders, insects,	series,	spiders, insects,
			environment,	conductors,	environment,
			habitats	insulators	habitats