

Cledford Primary School – Science Curriculum Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
	Animals including humans	Structures and materials	Living things and their habitats	Living things and their habitats	Seasonal	Living things and their habitats	
EYFS s provision providing ry and investigative	Talk about members of their		Draw information from a simple	Recognise some environments that are	changes/materials/Light/forces/sound/		
	immediate family and community.	Seasonal Changes	map.	different from the one in which they live.	earth and space	Specific topics – Animals and their	
ion p nves ities	Name and describe people who are		Seasonal changes		Describe what they see, feel and hear	habitats	
EYFS Continuous provisi exploratory and ii opportun	familiar to them.	Specific topics: festivals and celebrations	Understand the effect of changing	Specific topic – Travel and transport (link to seasons – wellies and different	while outside Explore the natural world around		
	Specific topics: Healthy body,		seasons on the natural world around them.	footwear)	them		
	Healthy Me		Specific topic – Spring and new life	lootweary	them		
					Specific topics – Plants and growth 'How does your garden grow'		
≥ a	Daily Dashboard: weather, seasons	and months of the year					
Everyday EYFS science	Environment: access to different materials throughout the day (support oracy and vocabulary building)						
	The Human Body and Senses	Seasonal changes – ongoing throughout	Animals	Everyday Materials	Plants – term topic	Plants – term topic	
	Identify, name, draw and label the	the year	Identify and name common animals	Distinguish between object and the	Identify and name a variety of	Identify and name a variety of	
	basic parts of the human body and	Observe changes across the four seasons	including fish, amphibians,	material from which it's made	common wild and garden plants	common wild and garden plants	
	say which part of the body is associated with each sense	Observe and describe weather associated with the seasons and how day	mammals, birds and reptiles (as well as carnivores, omnivores and	Identify and name a variety of everyday materials and their simple physical	Identify and describe the basic structure of flowering plants	Identify and describe the basic structure of flowering plants	
		length varies	herbivores)	properties		structure of nowering plants	
	TAPS		Compare structure of common	Compare and group together everyday	(seed planting best between late	Seasonal changes – ongoing	
	Body parts (using observations)	TAPS	animals (including pets)	materials	March and late May)	throughout the year	
		Seasonal change – ongoing (observe over				Observe changes across the four	
-		time record data)	<u>TAPS</u>	TAPS:	TAPS	seasons	
Year			Animal classification (identify and	Floating and sinking (plan simple tests to	Leaf looking (observing closely)	Observe and describe weather	
>			classify)	compare and group)		associated with the seasons and how	
				Reflectiveness (answering questions)	Educational Visit Link: RHS Garden	day length varies	
		-		Transparency (answering questions)	Brigewater	TAPS	
				Seasonal changes – ongoing throughout		Plant structure (observe closely over	
				the year		time using simple equipment)	
				Observe changes across the four seasons			
				Observe and describe weather			
				associated with the seasons and how day			
				length varies			
	Animals including humans: diet,	Animals include humans: offspring and	Everyday Materials	Plants	Living things and their habitats	Living things and their habitats	
	exercise and hygiene Describe the importance for humans	lifecycles Notice that all animals, including humans	Identify and compare the suitability of a variety of everyday materials	Observe and describe how seeds and bulbs grow into mature plants	Compare differences between living, dead and never been alive	Identify and name a variety of plants and animals in habitats including	
	to exercise, eat the right amount of	have offspring which grow into adults	Find out how the shapes of some	Find out and describe how plants stay	Living things' habitats are suited to	microhabitats	
	different types of food and hygiene.	Find out about basic needs of animals	everyday materials can be changed	healthy	them	Simple food chains	
		including humans for survival	by squashing, bending, twisting and				
	TAPS		stretching	TAPS	TAPS	TAPS	
ar 2	Compare handspans (using			Compare plant growth (observe closely	Nature spotters (identifying and	Feeding simulation (observe closely)	
Year	observations to answer questions)		TAPS	using simple equipment)	classifying)	Woodlice Habitat (gather and record	
			Materials hunt (gather and record		Sorting living and non-living (idenfiying	data)	
	Plants – ongoing throughout the year		data)		and classifying)		
	Planting bulbs (mini daffodils)/wild		Waterproof materials (ask and			Educational Visit link: Lion Saltworks	
	flower seeds ready for spring plants topic (before October half term) –		answer simple questions) Rocket mice (simple testing to				
			nocker mice (simple results to				
	planters outside LW's classroom to		answer questions)				





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	Rocks	Forces and Magnets	Forces and Magnets	Light	Plants	Animals including humans
	Compare and group together	Compare how things move on different	Observe how magnets can attract	Recogise that they need light to see	Identify and describe functions of	Identify that animals, including
Year 3	different kinds of rocks	surfaces	and repel each other and attract	things and dark is the absence of light	different parts of a plant	humans, need the right types and
	Describe how fossils are formed	Notice that some forces need contact	some materials but not others	Light is reflected from surfaces	Explore requirements for plants to	amounts of nutrition and that they
	Recognise that soils are made from	between two objects	Compare and group together	Light from the sun is dangerous shadows	survive and how these differ from	cannot make their own food
	rock and organic matter	Notice that magnetic forces can act at a	everyday materials based on	are formed when light source is blocked	plant to plant	Identify that humans and some other
		distance	whether they are attracted to	by an opaque object	Investigate how water is transported	animals have a skeleton and muscles
	TAPS	uistance	magnets	Find patterns in how shadows change	in plants	for support, protection and
	Reporting on rocks (reporting on	TAPS	Describe magnets as having two	rind patterns in now shadows change	Plant life cycle: seed dispersal,	movement
	finding from enquiries)	Shoe grip (set up simple enquiries)	poles	TAPS	pollination and seed formation	hiovement
	intering from enquinesy	Balloon rockets (drawing simple		Can everything make a shadow? (gather		
→		conclusions)	TAPS	and record data to answer questions)	TAPS	
		Car ramps (gather, record and present	What is the strongest magnet? (set		Close observation of plants (systematic	
		data with bar charts)	up simple fair and comparative		and careful observations)	
			tests)		Function of a plant stem (using	
					scientific evidence to answer	
					questions)	
					How much water do plants need?	
					(making systematic and careful	
					observations and measurements)	
	Sound	Electricity	States of matter	Animals inc humans – digestive system	Animals including humans – food	Living things and their habitats
	Identify how sounds are made,	Identify common appliances that run on	Compare and group materials	and teeth	chains	Recognise that living things can be
	associating some of them with	electricity.	together, according to whether they	Describe the simple functions of the	Construct and interpret a variety of	grouped in a variety of ways.
	something vibrating.	Construct a simple series electrical	are solids, liquids or gases.	basic parts of the digestive system in	food chains, identifying producers,	Explore and use classification keys to
	Recognise that vibrations from	circuit, identifying and naming its basic	Observe that some materials change	humans.	predators and prey.	help group, identify and name a
	sounds travel through a medium to	parts, including cells, wires, bulbs,	state when they are heated or	Identify the different types of teeth in		variety of living things in their local
	the ear.	switches and buzzers.	cooled, and measure or research the	humans and their simple functions.		and wider environment.
	Find patterns between the pitch of a	Identify whether or not a lamp will light	temperature at which this happens			Recognise that environments can
	sound and features of the object	in a simple series circuit, based on	in degrees Celsius (°C).	TAPS		change and that this can sometimes
	that produced it.	whether or not the lamp is part of a	Identify the part played by	Teeth (eggs) in liquid (drawing		pose dangers to living things.
4	Find patterns between the volume	complete loop with a battery.	evaporation and condensation in the	conclusions)		
Year	of a sound and the strength of the	Recognise that a switch opens and closes	water cycle and associate the rate of			<u>TAPS</u>
⊢≻	vibrations that produced it.	a circuit and associate this with whether	evaporation with temperature.			Local environment study (gather,
	Recognise that sounds get fainter as	or not a lamp lights in a simple series				record and classify data)
	the distance from the sound source	circuit.	TAPS			
	increases.	Recognise some common conductors	Measuring temperatures (taking			
		and insulators, and associate metals with	accurate measurements)			
	TAPS	being good conductors.	Drying materials (set up a fair test)			
	String telephones (identifying	TADS				
	similarities and differences in	TAPS				
	scientific ideas)	Does it conduct electricity? (reporting				
	Investigating pitch (asking and	findings – drawing conclusions)				
	answering questions)					





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	Foreas	Matariala	Matariala	Living things and their habitats	Snaco	Animals including humans
	Forces	Materials	Materials	Compare life cycles of a mammal,	Space Describe the movement of the Earth,	Animals including humans Describe the changes as humans
Year 5	Explain that unsupported objects fall	Compare and group together everyday	Compare and group together			5
	towards Earth because of gravity	materials based on their properties	everyday materials based on their	amphibian, insect and bird	and other planets, relative to the sun	develop into old age
	Identify effects of air resistance,	Know that some materials dissolve in	properties	Describe life process of reproduction in	Describe the movement of the moon	
	water resistance and friction	liquid and describe how to recover a	Know that some materials dissolve in	some plants and animals	relative to Earth	TAPS
	Recognise that some mechanisms,	substance from a solution	liquid and describe how to recover a		Describe the sun, moon and Earth as	Growth Survey (take measurements)
	including levers, pulleys and gears	Use knowledge of solids, liquids and	substance from a solution	TAPS	approximately spherical bodies	
	allow a smaller force for a greater	gasses to separate mixtures	Use knowledge of solids, liquids and	Seed dispersal survey (record data and	Use the idea of the Earth's rotation to	<u>RSE – PSHE Link</u>
	effect		gasses to separate mixtures	results with increasing complexity)	explain day and night	
		<u>TAPS</u>		Life cycle research (report findings from		
	<u>TAPS</u>	Champion taps (Report and present	TAPS	enquiries)	TAPS	
	Spinners (measure taking repeated	findings from enquiries, including	Sugar stacks (gather and record data		Craters (gather and record data using	
	readings)	conclusions and explanations of degree	in tables)		tables and graphs)	
	Aquadynamics (explaining trust in	of trust in results)	Insulation layers (making predictions)		Space research (scientific enquiries to	
	results)	Testing nappy absorbancy (plan with	Dissolving (plan scientific enquiry)		answer questions)	
		controlling variables)				
					Educational Visit Link: Jodrell Bank	
	Electricity	<u>Light</u>	Animals inc humans – circulatory	Living things and their habitats	Animals inc humans – diet, exercise	Evolution and inheritance
	Associate the brightness of a lamp or	Recognise that light appears to travel in	<u>system</u>	Describe how living things are classified	and drugs	Recognise that living things have
	the volume of a buzzer with the	straight lines.	Identify and name the main parts of	into broad groups according to common	Recognise the impact of diet, exercise,	changed over time and that fossils
	number and voltage of cells used in	Use the idea that light travels in straight	the human circulatory system, and	observable characteristics and based on	drugs and lifestyle on the way their	provide information about living
	the circuit.	lines to explain that objects are seen	describe the functions of the heart,	similarities and differences, including	bodies function.	things that inhabited the Earth
	Compare and give reasons for	because they give out or reflect light into	blood vessels and blood.	microorganisms, plants and animals.	Describe the ways in which nutrients	millions of years ago.
	variations in how components	the eye.		Give reasons for classifying plants and	and water are transported within	Recognise that living things produce
	function, including the brightness of	Explain that we see things because light	TAPS	animals based on specific characteristics.	animals, including humans.	offspring of the same kind, but
	bulbs, the loudness of buzzers and	travels from light sources to our eyes or	Heart rate poses (test results and			normally offspring vary and are not
	the on/off position of switches.	from light sources to objects and then to	predictions – fair and comparative	TAPS		identical to their parents.
Year 6	Use recognised symbols when	our eyes.	testing)	Flower sampling (plan different types of		Identify how animals and plants are
Yea	representing a simple circuit in a	Use the idea that light travels in straight		scientific enquiries)		adapted to suit their environment in
	diagram.	lines to explain why shadows have the		Outdoor keys (classification keys to		different ways and that adaptation
		same shape as the objects that cast		record results)		may lead to evolution.
	<u>TAPS</u>	them.		Invertebrate research (report and		
	Bulb brightness (plan scientific			present findings)		TAPS
	enquiry – variables)	<u>TAPS</u>				Fossil habitats (identifying scientific
		Raising and sorting light questions				evidence)
		(identifying scientific enquiries)				Egg strength (explain degree of trust
		Investigating shadows (take accurate				in results)
		measurements and record data on				
		graph)				
<u>o</u>				British Science Week - March	Outdoor Classroom Day	
Whole school						
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