

Science – Progression of Scientific Skills

<u>EYFS</u>	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<u>Plants</u>	<u>Plants</u>	<u>Plants</u>	<u>Plants</u>	Living Things &	Living Things &	Living Things & Their
1a 1 Identify and	1a 1 Identify and	2b1: observe and	3a1: identify and	Their Habitats	Their Habitats	<u>Habitats</u>
name a variety of	name a variety of	describe how seeds	describe the	4a1: recognise	5a1 : describe the	6a1 : describe how
local garden	common wild and	and bulbs grow	functions of	that living things	differences in the	living things are
plants, and trees	garden plants,	into mature plants	different parts of	can be grouped in a	life cycles of a	classified into broad
1a 2 Identify and	including	2b2: find out and	flowering plants:	variety of ways	mammal, an	groups according to
describe the basic	deciduous and	describe how	roots, stem/trunk,	4a2: explore and	amphibian, an	common observable
structure of a	evergreen trees	plants need water,	leaves and flowers	use classification	insect and a bird	characteristics and
flower and tree	1a 2 Identify and	light and a suitable	3a2: explore the	keys to help group,	5a2 : describe the	based on similarities
	describe the basic	temperature to	requirements of	identify and name	life process of	and differences,
	structure of a	grow and stay	plants for life and	a variety of living	reproduction in	including micro-
	variety of common	healthy.	growth (air, light,	things in their local	some plants and	organisms, plants
	flowering plants,		water, nutrients	and wider	animals.	and animals
	including trees		from soil, and	environment		6a2:
			room to grow) and	4a3: recognise that		investiogatclassifying
			how they vary from	environments can		plants and animals
			plant to plant	change and that		based on specific
			3a3: investigate	this can sometimes		characteristics.
			the way in which	pose dangers to		
			water is	living things.		
			transported within			
			plants			
			3a4: explore the			
			part that flowers			
			play in the life cycle			
			of flowering plants,			
			including			
			pollination, seed			



			formation and seed		
			dispersal.		
			dispersal.		
Seasonal changes	Seasonal changes	Living Things &			Evolution and
Observe and name	1d1 : Observe	Their Habitats			Inheritance
the four seasons					
the four seasons	changes across the	2a1: explore and			6c1 : recognise that
	four seasons	compare the			living things have
	1d2: Observe and	differences			changed over time
	describe weather	between things			and that fossils
	associated with the	that are living,			provide information
	seasons and how	dead, and things			about living things
	day length varies	that have never			that inhabited the
		been alive			Earth millions of
		2a2: identify that			years ago
		most living things			6c2: recognise that
		live in habitats to			living things produce
		which they are			offspring of the
		suited and describe			same kind, but
		how different			normally offspring
		habitats provide			vary and are not
		for the basic needs			identical to their
		of different kinds			parents
		of animals and			6c3: identify how
		plants, and how			animals and plants
		they depend on			are adapted to suit
		each other			their environment in
		2a3: identify and			different ways and
		name a variety of			that adaptation may
		plants and animals			lead to evolution
		in their habitats,			
		including micro-			
		habitats			
		Habitats			



		2a4: describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of				
		food.				
Minibeasts 1b1 : Identify and	Animals Including Humans	Animals Including Humans	Animals Including Human	Animals Including Humans	Animals Including Humans	Animals Including Humans
name a variety of	1b1 : Identify and	2c1: notice that	3b1 : identify that	4b1 : describe the	5b1 : describe the	6b1 : identify and
common insects	name a variety of	animals, including	animals, including	simple functions of	changes as humans	name the main parts
	common animals	humans, have	humans, need the	the basic parts of	develop to old age	of the human
	including fish,	offspring which	right types and	the digestive		circulatory system,
	amphibians,	grow into adults	amount of	system in humans		and describe the
	reptiles, birds and	2c2: find out about	nutrition, and that	4b2 : identify the		functions of the
	mammals	and describe the	they cannot make	different types of		heart, blood vessels
	1b2 : Identify and	basic needs of	their own food;	teeth in humans		and blood
	name a variety of	animals, including	they get nutrition	and their simple		6b2 : recognise the
	common animals	humans, for	from what they eat	functions		impact of diet,
	that are carnivores,	survival (water,	3b2 : identify that	4b3 : construct and		exercise, drugs and
	herbivores and	food and air)	humans and some	interpret a variety		lifestyle on the way
	omnivores	2c3 : describe the	other animals have	of food chains,		their bodies function
	1b3 : Describe and	importance for	skeletons and	identifying		6b3 : describe the
	compare the structure of a	humans of	muscles for	producers,		ways in which nutrients and water
		exercise, eating the right amounts of	support, protection and movement.	predators and		are transported
	variety of common animals (fish,	different types of	and movement.	prey.		within animals,
	amphibians,	food, and hygiene.				including humans.
	reptiles, birds and	1000, and hygiene.				meluumg numans.
	repuies, birus and					



	mammals, including pets) 1b4: Identify, name, draw and label the basic parts of the human body and say what part of the body is associated with which sense					
Materials	Everyday materials	Uses of Everyday	Rocks	States of Matter	Properties &	
Identify and name	1c1: Distinguish	<u>Materials</u>	3c1 : compare and	4c1 : compare and	<u>Changes of</u>	
a variety of	between an object	0.14 . 1	group together	group materials	<u>Materials</u>	
everyday materials	and the material	2d1 : identify and	different kinds of	together, according	5c1 : compare and	
and explore their	from which it is	compare the	rocks on the basis	to whether they	group together	
properties	made	suitability of a	of their appearance	are solids, liquids	everyday materials	
	1c2: Identify and	variety of everyday	and simple physical	or gases	on the basis of	
	name a variety of	materials, including	properties	4c2 : observe that	their properties,	
	everyday	wood, metal,	3c2 : describe in	some materials	including their	
	materials, including	plastic, glass, brick,	simple terms how	change state when	hardness,	
	wood, plastic,	rock, paper and	fossils are formed	they are heated or	solubility,	
	glass, metal, water	cardboard for	when things that	cooled, and	transparency,	
	and rock 1c3: Describe the	particular uses 2d2: find out how	have lived are	measure or research the	conductivity	
			trapped within rock		(electrical and	
	simple physical	the shapes of solid objects made from	3c3 : recognise that soils are made	temperature at	thermal), and	
	properties of a variety of materials	some materials can	from rocks and	which this happens	response to	
	1c4 : Compare and	be changed by	organic matter.	in degrees Celsius 4c3: identify the	magnets 5c2 : Experiment -	
	group together a	squashing,	organic matter.	part played by	some materials will	
	variety of everyday	bending, twisting		evaporation and	dissolve in liquid to	
	materials on the	and stretching.		condensation in	form a solution,	
	accirais on the	and stretching.			and describe how	
				the water cycle and	and describe how	



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basis of their simple	associate the rate	to recover a
physical properties	of evaporation with	substance from a
	temperature.	solution
		5c3 : use knowledge
		of solids, liquids
		and gases to decide
		how mixtures
		might be
		separated,
		including through
		filtering, sieving
		and evaporating
		5c4 : give reasons,
		based on evidence
		from comparative
		and fair tests, for
		the particular uses
		of everyday
		materials, including
		metals, wood and
		plastic
		5c5 : demonstrate
		that dissolving,
		mixing and changes
		of state are
		reversible changes
		5c6 : explain that
		some changes
		result in the
		formation of new
		materials, and that
		this kind of change
		is not usually



				reversible, including changes associated with burning and the action of acid on bicarbonate of soda	
<u>Light</u>		<u>Light</u>	Sound Sound	Earth Space	<u>Light</u>
Identify and name		3d1: recognise that	4d1: identify how	5d1 : describe the	6d1: recognise that
different times of		they need light in	sounds are made,	movement of the	light appears to
the day.		order to see things	associating some of	Earth, and other	travel in straight
		and that dark is the	them with	planets, relative to	lines
		absence of light	something	the Sun in the solar	6d2 : use the idea
		3d2: notice that	vibrating	system	that light travels in
		light is reflected	4d2: recognise that	5d2 : describe the	straight lines to
		from surfaces	vibrations from	movement of the	explain that objects
		3d3 : recognise that	sounds travel	Moon relative to	are seen because
		light from the sun	through a medium	the Earth	they give out or
		can be dangerous	to the ear	5d3: describe the	reflect light into the
		and that there are	4d3: find patterns	Sun, Earth and	eye
		ways to protect	between the pitch	Moon as	6d3: explain that we
		their eyes	of a sound and	approximately	see things because
		3d4 : recognise that	features of the	spherical bodies	light travels from
		shadows are	object that	5d4 : use the idea	light sources to our
		formed when the	produced it	of the Earth's	eyes or from light
		light from a light	4d4: find patterns	rotation to explain	sources to objects
		source is blocked	between the	day and night and	and then to our eyes
		by a solid object	volume of a sound	the apparent	6d4 : use the idea
		3d5 : find patterns	and the strength of	movement of the	that light travels in
		in the way that the	the vibrations that	sun across the sky	straight lines to
			produced it		explain why

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	size of shadows	4d5: recognise that		shadows have the
	change.	sounds get fainter		same shape as the
	change.	as the distance		objects that cast
		from the sound		them.
				tileili.
		source increases		
	Favora and	Classicia.	Farrage	Flact visite.
	Forces and	Electricity	Forces	<u>Electricity</u>
	<u>Magnets</u>	4e1 : identify	5e1 : explain that	6e1 : associate the
	3e1 : compare how	common	unsupported	brightness of a lamp
	things move on	appliances that run	objects fall towards	or the volume of a
	different surfaces	on electricity	the Earth because	buzzer with the
	3e2 : notice that	4e2 : construct a	of the force of	number and voltage
	some forces need	simple series	gravity acting	of cells used in the
	contact between	electrical circuit,	between the Earth	circuit
	two objects, but	identifying and	and the falling	6e2: compare and
	magnetic forces	naming its basic	object	give reasons for
	can act at a	parts, including	5e2 : identify the	variations in how
	distance	cells, wires, bulbs,	effects of air	components
	3e3 : observe how	switches and	resistance, water	function, including
	magnets attract or	buzzers	resistance and	the brightness of
	repel each other	4e3: identify	friction, that act	bulbs, the loudness
	and attract some	whether or not a	between moving	of buzzers and the
	materials and not	lamp will light in a	surfaces	on/off position of
	others	simple series	5e3 : recognise that	switches
	3e4 : compare and	circuit, based on	some mechanisms,	6e3 : use recognised
	group together a	whether or not the	including levers,	symbols when
	variety of everyday	lamp is part of a	pulleys and gears,	representing a
	materials on the	complete loop with	allow a smaller	simple circuit in a
	basis of whether	a battery	force to have a	diagram.
	they are attracted	4e4 : recognise that	greater effect	5.00
	to a magnet, and	a switch opens and	B. catci circot	
	identify some	closes a circuit and		
	-			
	magnetic materials	associate this with		

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3e5: describe magnets as ha two poles 3e6: predict whether two magnets will attract or repe each other,	lamp lights in a simple series circuit 4e5: recognise some common conductors and	
each other, depending on which poles ar facing.	with being good	