<u>Curriculum Progression Document – Science</u>

	Plants	Living things and their habitats	Animals, inc. humans	Materials	Seasonal Changes
EYFS	Explore the natural world around them, making observations and drawing pictures of plants.	Explore the natural world around them, making observations and drawing pictures of animals. Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.	Manage their own needs: personal hygiene. Know and talk about the different factors that support their overall health and wellbeing: - Regular physical activity - Healthy eating - Toothbrushing - Sensible amounts of 'screen time' - Having a good sleep routine - Being a safe pedestrian	Compare length, weight and capacity Understand some important processes and changes in states of matter.	Explore the natural world around them Describe what they see, hear and feel while outside Understand the effect of changing seasons on the natural world around them. Understand some important processes and changes in the natural world around them, including the seasons
KS1	identify and name a variety of common wild and garden plants, including deciduous and evergreen trees identify and describe the basic structure of a variety of common flowering plants, including trees. observe and describe how seeds and bulbs grow into mature plants	explore and compare the differences between things that are living, dead, and things that have never been alive identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants,	identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals identify and name a variety of common animals that are carnivores, herbivores and omnivores describe and compare the structure of a variety of common animals (fish, amphibians,	distinguish between an object and the material from which it is made identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock describe the simple physical properties of a variety of everyday materials	observe changes across the four seasons observe and describe weather associated with the seasons and how day length varies identify a range of weather conditions and relate them to the changing seasons.

	and how they depend on	reptiles, birds and mammals,	compare and group	
find out and describe how	each other	including pets)	together a variety of	
plants need water, light and			everyday materials on the	
a suitable temperature to	identify and name a variety	identify, name, draw and label	basis of their simple physical	
grow and stay healthy	of plants and animals in	the basic parts of the human	properties.	
	their habitats, including	body and say which part of the		
	microhabitats	body is associated with each	identify and compare the	
		sense.	suitability of a variety of	
	describe how animals obtain		everyday materials,	
	their food from plants and	notice that animals, including	including wood, metal,	
	other animals, using the	humans, have offspring which	plastic, glass, brick, rock,	
	idea of a simple food chain,	grow into adults	paper and cardboard for	
	and identify and name		particular uses	
	different sources of food	find out about and describe the		
		basic needs of animals, including	investigate how the shapes	
		humans, for survival (water, food	of solid objects made from	
		and air)	some materials can be	
			changed	
		describe the importance for		
		humans of exercise, eating the		
		right amounts of different types		
		of food, and hygiene.		

	Plants	Living things	Animals,	Rocks	States of	Electricity	Light	Forces &	Sound
		and their	inc.		matter			Magnets	
		habitats	humans						
Lower	identify and	recognise that	identify that	compare and	compare and	identify	recognise that	compare how	identify how
KS2	describe the	living things	animals,	group	group	common	they need	things move on	sounds are made,
	functions of	can be grouped	including	together	materials	appliances	light in order	different surfaces	associating some
	different parts	in a variety of	humans,	different	together,	that run on	to see things		of them with
	of flowering	ways	need the	kinds of	according to	electricity	and that dark	notice that some	something
	plants: roots,		right types	rocks on the	whether they		is the absence	forces need contact	vibrating
	stem/trunk,		and amount	basis of their	are solids,		of light	between two	



leaves and	explore and	of nutrition,	appearance	liquids or	construct a		objects, but	recognise that
flowers	use	and that they	and simple	gases	simple series	notice that	magnetic forces can	vibrations from
	classification	cannot make	physical	observe that	electrical	light is	act at a distance	sounds travel
explore the	keys to help	their own	properties	some	circuit,	reflected from		through a
requirements	group, identify	food; they		materials	identifying	surfaces	observe how	medium to the
of plants for	and name a	get nutrition	describe in	change state	and naming its		magnets attract or	ear
life and	variety of living	from what	simple terms	when they are	basic parts,	recognise that	repel each other	
growth (air,	things in their	they eat	how fossils	heated or	including cells,	light from the	and attract some	find patterns
light, water,	local and wider		are formed	cooled, and	wires, bulbs,	sun can be	materials and not	between the
nutrients from	environment	identify that	when things	measure or	switches and	dangerous	others	pitch of a sound
soil, and room		humans and	that have	research the	buzzers	and that there		and features of
to grow) and	recognise that	some other	lived are	temperature		are ways to	compare and group	the object that
how they vary	environments	animals have	trapped	at which this	identify	protect their	together a variety	produced it
from plant to	can change	skeletons and	within rock	happens in	whether or	eyes	of everyday	
plant	and that this	muscles for		degrees	not a lamp will		materials on the	find patterns
	can sometimes	support,	recognise	Celsius (°C)	light in a	investigate	basis of whether	between the
investigate the	pose dangers	protection	that soils are		simple series	how shadows	they are attracted	volume of a
way in which	to living things	and	made from	identify the	circuit, based	are formed	to a magnet, and	sound and the
water is		movement	rocks and	part played by	on whether or	and find	identify some	strength of the
transported			organic	evaporation	not the lamp	patterns in the	magnetic materials	vibrations that
within plants		describe the	matter	and	is part of a	way that		produced it
		simple		condensation	complete loop	shadows	describe magnets	
explore the		functions of		in the water	with a battery	change	as having two poles	recognise that
part that		the basic		cycle and				sounds get fainter
flowers play in		parts of the		associate the	recognise that		predict whether	as the distance
the life cycle		digestive		rate of	a switch		two magnets will	from the sound
of flowering		system in		evaporation	opens and		attract or repel	source increases
plants,		humans		with	closes a circuit		each other,	
including				temperature.	and associate		depending on	
pollination,		identify the			this with		which poles are	
seed		different			whether or		facing	
formation and		types of			not a lamp			
seed dispersal.		teeth in			lights in a			
		humans and			simple series			
		their simple			circuit			
		functions						



	recognise	
construct and	some	
interpret a	common	
variety of	conductors	
food chains,	and insulators,	
identifying	and associate	
producers,	metals with	
predators	being good	
and prey	conductors.	

	Living things and their habitats	Animals inc. humans	Materials	Electricity	Forces	Evolution	Earth and Space	Light
Upper	describe the	identify and	compare and group	associate the	explain that	recognise that	describe the	recognise that
KS2	differences in the	name the	together everyday	brightness of a	unsupported objects fall	living things	movement of	light appears to
	life cycles of a	main parts of	materials on the basis	lamp or the	towards the Earth	have changed	the Earth, and	travel in straight
	mammal, an	the human	of their properties,	volume of a	because of the force of	over time and	other planets,	lines
	amphibian, an	circulatory	including their	buzzer with	gravity acting between	that fossils	relative to the	
	insect and a bird	system, and	hardness, solubility,	the number	the Earth and the falling	provide	Sun in the solar	use the idea that
		describe the	transparency,	and voltage of	object	information	system	light travels in
	describe the life	functions of	conductivity	cells used in		about living		straight lines to
	process of	the heart,	(electrical and	the circuit	identify the effects of	things that	describe the	explain that
	reproduction in	blood vessels	thermal), and		air resistance, water	inhabited the	movement of	objects are seen
		and blood	response to magnets		resistance and friction,		the Moon	because they give

some plants and			compare and	that act between	Earth millions	relative to the	out or reflect light
animals	recognise the	know that some	give reasons	moving surfaces	of years ago	Earth	into the eye
aiiiiiais	impact of diet,	materials will dissolve	for variations	Thornig surfaces	or years ago	describe the	explain that we
describe how	exercise,	in liquid to form a	in how	recognise that some	recognise that	Sun, Earth and	see things
living things are	drugs and	solution, and describe	components	mechanisms, including	living things	Moon as	because light
classified into	lifestyle on	how to recover a	function,	levers, pulleys and	produce	approximately	travels from light
	the way their	substance from a	including the	gears, allow a smaller	offspring of the	spherical bodies	_
broad groups	bodies	solution	brightness of	force to have a greater		use the idea of	sources to our
according to		Solution	_	_	same kind, but		eyes or from light
common	function		bulbs, the	effect	normally	the Earth's	sources to objects
observable		use knowledge of	loudness of		offspring vary	rotation to	and then to our
characteristics	describe the	solids, liquids and	buzzers and		and are not	explain day and	eyes
and based on	ways in which	gases to decide how	the on/off		identical to	night and the	
similarities and	nutrients and	mixtures might be	position of		their parents	apparent	use the idea that
differences,	water are	separated, including	switches			movement of	light travels in
including	transported	through filtering,	use recognised		identify how	the sun across	straight lines to
microorganisms,	within	sieving and	symbols when		animals and	the sky	explain why
plants and	animals,	evaporating	representing a		plants are		shadows have the
animals	including		simple circuit		adapted to suit		same shape as the
	humans	give reasons, based	in a diagram		their		objects that cast
give reasons for		on evidence from			environment in		them.
classifying plants	describe the	comparative and fair			different ways		
and animals	changes as	tests, for the			and that		
based on specific	humans	particular uses of			adaptation may		
characteristics	develop to old	everyday materials			lead to		
	age				evolution		
		demonstrate that					
		dissolving, mixing and					
		changes of state are					
		reversible changes					
		explain that some					
		changes result in the					
		formation of new					
		materials, and that					
		this kind of change is					
		not usually reversible,					



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	including changes			
	associated with			
	burning and the			
	action of acid on			
	bicarbonate of soda			