

## RADDLEBARN PRIMARY SCHOOL PROGRESSION OF KNOWLEDGE IN SCIENCE



	NURSEN							NURSER	
Year Group Area of Study	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Resources
Biology	DM: Understand the	DM: Recognise some	To identify and name common	To notice that animals, including	To identify that animals, including	To name and describe the	To describe the changes as	To identify and name the main	Binoculars
	key features of the life cycle of a plant	environments that are different to the	animals (birds, fish, amphibians,	humans, have offspring which	humans, need the right types and	functions of the main parts of the	humans develop to old age	parts of the human circulatory system,	Skeleton Chart
Animals including	and an animal.	one in which they live.	retiles, mammals)	grow into adults	amount of nutrition and they	digestive system (including mouth,	Research and	and describe the functions of the	Flower Chart
humans	Begin to understand the	Manage their own	To classify animals by what they eat	Observe growth of offspring (chick /	cannot make their own food; they get	tongue, teeth, oesophagus,	compare gestation periods	heart, blood vessels and blood	Seed Germination kits
	need to respect and care for the	needs. • Personal hygiene	(carnivore, herbivore,	caterpillar / tadpole) measuring and	nutrition from what they eat	stomach, small and large intestines,)	Represent the growth	To recognise the	Soil
	natural environment and all living things.	Know and talk about the different	omnivore)  To describe and	recording growth	To identify that humans and some	To describe the simple functions of	of a baby  Recognise changes	impact of diet, exercise, drugs and lifestyle on the	Seeds
	Use all their senses	factors that support their	compare the structure of a	To describe the basic needs of	other animals have skeletons and	the organs of the human digestive	experienced in puberty	way their bodies function	Pots
	in hands-on exploration of	overall health and wellbeing: •	variety of common animals (fish,	animals inc	muscles for support	system	Recognise changes	To describe the	Soil samples
	natural materials.	regular physical activity • healthy	amphibians, reptiles, birds and	survival (water, food, air) and the	(musculoskeletal), protection and	To identify the different types of	during old age and recognise	ways in which nutrients and	Food Pyramids
	Begin to make sense of their own	eating ● toothbrushing ●	mammals including pets)	main changes as young animals,	movement	teeth in humans and their simple	misconceptions (eg: being ill is normal)	water are transported within	Fruit and Veg resources
	life-story and family's history.	sensible amounts of 'screen time' ●	To sort some animals	including hums, grow in to adults	Identify and group animals with and	functions		animals, including humans	Food chain
	Understand the key features of the	having a good sleep routine • being a safe	by structure and body covering, for example, scales, fur	To describe the importance of	without skeletons and compare their movement	Compare carnivore and herbivore teeth, explaining reasons for		To construct and interpret food chains	charts Teeth
	life cycle of a plant and an animal.	pedestrian	and skin and describe and compare/	exercise, balanced diet and hygiene	Compare diets of	differences		and webs	recui
	Make healthy	Talk about members of their	contrast the observable features	for humans	different animals or	To construct and interpret a variety		Make links between knowledge of	
	choices about food, drink,	immediate family and community.	of animals from a range of groups.	To identify and name different sources of	Design healthy meals	of food chains, identifying		skeletal, muscular and digestive systems	
	activity and toothbrushing.	Name and describe	To identify, name,	food	for humans	producers, predators and prey		and how the circulatory system	
		people who are familiar to them.	draw and label parts of the human					enables the body to function	
		Natural World ELG:  • Know some	body and say which part of the body is associated						
		similarities and	with each sense						
		between the							
		around them and contrasting							
		environments, drawing on their							
		experiences and what has been							
		read in class.  • Understand some							
		important processes and							

Biology  DM: Use all their senses in hands-on exploration of natural materials.	changes in the natural world around them, including the seasons and changing states of matter.  DM: Explore the natural world around them.  Describe what they	To identify and name a range of common wild and garden plants including deciduous and	To explore and compare differences between things that are alive, dead or have never been	To identify and describe the functions of different parts of flowering plants, for example roots,	To recognise that living things can be grouped in a variety of ways (eg: vertebrates and invertebrates)	To describe the differences in life cycles of a mammal, an amphibian, an insect and a bird	To describe how living things are classified into broad groups according to common
Plants  Explore collections of materials with similar and/or different properties.  Begin to understand the need to respect and care for the natural environment and all living things.  Plant seeds and care for growing plants.  Understand the key features of the life cycle of a plant and an animal.	see, hear and feel whilst outside.  Recognise some environments that are different to the one in which they live.  Natural World ELG: Explore the natural world around them, making observations and drawing pictures of animals and plants. 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. Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	ro identify and describe the basic structure of a variety of common flowering plants, including trees (petals, stem, leaf, root, trunk, branch)  Compare familiar plants, describing how they can be grouped.  Keep a record of how plants change over time.  *Make a home for an insect  *Go on a hunt for small insects and creatures	alive.  To identify that most living things (animals and plants) 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, and how they depend on each other  To identify and name a variety of plants and animals in their habitats, including microhabitats  To 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  Compare animals found in local / familiar habitats with animals found in seashore / rainforest / ocean.  Mrs Gren — 7 life processes  To identify and name a variety of plants	stem/trunk, leaves and flowers  To explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant  To investigate the way in which water and nutrients are transported within plants  To explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal  Set up test comparing the effects of different amounts of water, light, fertilizer on growth.  Identify pattern between types of fruit and seed dispersal.  *Eat something you have grown	To explore, make and use classification keys to help group, identify and name a variety of living things in their local and wider environment  To recognise that environments can change and that this can sometimes pose dangers to living things (explain impact of human activity, such as ecology or littering)  *Explore inside a cave	To describe the life process of reproduction processes and life cycles in some plants and animals (understanding that some reproduction is sexual / asexual in plants, but sexual in animals)  Name and describe the function of parts of plants and animals involved in reproduction  Compare life cycles of local living things with that of living things with that of living things around the world and suggest reasons for differences  Research naturalists and conservationists, eg Jane Goodall / David Attenborough.  *Climb something that is taller than you  *Walk to the top of a hill	observable characteristics and based on similarities and difference, including micro- organisms, plants and animals  To give reasons for classifying plants and animals based on specific characteristics  To use the observable features of plants, animals and micro-organisms to group, classify and identify then into broad groups, using keys or in other ways  Explain why living things are classified in one group and not another.

				and describe how they are suited to different habitats To find out and describe basic					
				needs of plants for germination, growth and survival (water, light, temperature) and the impact of changing these.					
				To observe and describe how seeds and bulbs grow into mature plants					
				Set up comparative tests to determine that plants need water and light to stay healthy.					
				*Take a trip to the seaside or walk alongside a river					
				*Become a nature detective  *Start a vegetable					
				patch *Go bird watching					
Chemistry	DM: Use all their senses in hands-on exploration	DM: Explore the natural world around them.	To distinguish between an object and the material from which it is	To identify and compare the suitability of a variety of everyday	*Light a candle  *Make something out of wood	To compare and group the materials together according to their	To compare and group together everyday materials on the basis of	*Make a dessert	Concave mirrors  Magnifying glasses
Materials	of natural materials.	Describe what they	made.	materials, including wood,	*Produce rubbings of	state (solids liquids and	their properties, including their		Thermometers
States of matter	Explore collections	see, hear and feel whilst outside.	To identify and name a variety of	metal, plastic, glass, brick, rock,	fossils	gases)	hardness, solubility,		Syringes
(Y4)	of materials with similar and/or	Natural World ELG:	everyday materials,	paper and cardboard for		To describe the characteristics and	transparency, conductivity		Measuring jugs
	different properties.	Understand some important	including wood, plastic glass,	particular uses.		behaviours of different states of	(electrical and thermal), and		Cylinders
	Talk about the	processes and changes in the	metal, water and rock.	Find out how one material can be used		matter and group materials on this	response to magnets		Funnels
	differences between materials	natural world around them,	To describe the	for several different purposes (metal), or		basis	To know that some		Stop watches
	and changes they notice.	including the seasons and	simple physical properties of a	how one objects can be made by using		To observe that some materials	materials will dissolve in liquid to		Filter paper
		changing states of matter.	variety of everyday materials	various materials (eg: spoons).		change state when they are heated	form a solution, and describe how		Fossils/Rocks/
			e.g. hard/soft stretchy/stiff	To find out how		and measure or research the temp	to recover a substance from a		Minerals
			Shiny/dull Rough/smooth	the shapes of solid objects made from		at which it happens in	solution		

			Waterproof/non Bendy/not Absorbent/not Opaque/transparent  To compare and group together a variety of everyday materials on the basis of their simple physical properties.  To investigate which material is used for a specific job and why, through simple tests, eg: umbrella, clothing, water bottle	some materials can be changed by squashing, bending, twisting and stretching  Identify, compare, clarify materials by recording observations.		degrees Celsius  To identify the part played by evaporation and condensation in the water the cycle and associate the rate of evaporation with temperature  *Skim stones  *Make chocolate	To use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating  To give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic  To demonstrate that dissolving, mixing and changes of state are reversible changes  To 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  Explain the difference between melting and dissolving, or mixture and solution and suspension.  Investigate the effectiveness of certain materials for a particular purpose by carrying out tests	
<u>Chemistry</u> D	DM:	DM:			To compare and		*Visit a science laboratory	_
Rocks ti	Talking about what hey see using a vide vocabulary.	Explore the natural world around them.			group together different kinds of rocks on the basis			

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		Describe what they see, hear and feel whilst outside.			of their appearance and simple physical properties (eg: do they have grains or crystals, or do they have fossils in them)  To describe in simple terms how fossils are formed when things that have lived are trapped within rock  To recognise that soils are made from rocks and organic matter  Closely observe rocks (including used in buildings and gravestones) and explore how they might have changed over time  Investigate what happens when rocks are rubbed together or what changes colour when wet				
					Raise and answer questions about the				
					way soils are formed				
Physics Seasonal changes	DM: Talking about what they see using a wide vocabulary.	DM: Explore the natural world around them.  Describe what they see, hear and feel whilst outside.  Understand the effect of changing seasons on the natural world around them.  Natural World ELG: • Understand some important processes and changes in the natural world around them, including the seasons and	To observe changes across the four seasons  To observe & describe weather associated with seasons & how day length varies  To explain why it is not safe to look at the Sun even with sunglasses on  Make tables and charts about the weather and changes	*Build a bridge and test its strength	*Make a pinhole camera		*Make and launch an air powered rocket  *Make papier mache  *Design and make an electric model	*See the sunset *see the sunrise	Prism Magnets Springs Newton apples Stop watches Compasses Tunings forks Torches Electricity resources (wires, bulbs) Batteries

		changing states of matter.					
Physics Forces and Magnets	DM: Explore how things work.  Explore and talk about different forces they can feel.  Talk about the differences between materials and changes they notice.	DM: Explore the natural world around them.  Describe what they see, hear and feel whilst outside.		To compare how things move on different surfaces (set up tests)  To notice that some forces need contact between 2 objects, but magnetic forces can act at a distance  To observe how magnets can attract/repel each other & attract some materials & not others  To compare & group together a variety of everyday materials on the basis of whether they are attracted to a a magnet & identify some magnetic materials  To describe magnets as having two poles  To predict whether 2 magnets will Attract/repel each other, depending on which poles are facing  Set up a fair test to compare the strengths of different magnets  Identify how magnets are useful in everyday items, and suggest creative uses for	To explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object  To identify the effects of air resistance, water resistance and friction, that act between moving surfaces Practical tests where possible, eg: streamlined boat, surface of parachute, how friction is used everyday in shoes / cars  To recognise that some mechanisms including levers, pulleys and gears, allow a smaller force to have a greater effect Design a product that uses above mechanics.		
<u>Physics</u>	DM:	DM:		different magnets.  To recognise that		To use the idea	
Light	Explore how things work.  Talk about the differences in	Explore the natural world around them.  Describe what they		they need light in order to see things that dark is the absence of light		that light travels in straight lines to explain that objects are seen because they give	
	materials and changes they	see, hear and feel whilst outside.		To notice that light is reflected from		out reflect light	

	notice.			surfaces		into the eye	
				To recognise that		To sometime the torus	
				light reflected from		To explain that we	
				the sun can be		see things because	
				dangerous & that		light travels from	
				there are ways to		light sources to our	
				protect their eyes		eyes or from light	
				<b>P</b> • • • • • • • • • • • • • • • • • • •		sources to objects	
				To recognise that		and then to our	
				shadows are		eyes	
				formed when the		·	
				light from a light		To use the idea	
				source is blocked		that light travels in	
				by an opaque		straight lines to	
				object		explain why	
						shadows have the	
				To find patterns in		same shape as the	
				the way that the		objects that cast	
				size of shadows			
1	1		1	changes		them	
	1						
	1					Design and make a	
	1					periscope, explaining	
						how it works due to	
						light travelling in	
						straight lines.	
						Set up a puppet show	
						and explain how and	
						why it works.	
Physics Physics	DM:	-			To identify	To use associate	
	Explore how things				common	the brightness of a	
Electricity	work.				appliances that run	lamp or volume of	
_					on electricity	a buzzer with the	
	Talking about what						
	they see using a					i number & voitage i	
					To construct a	number & voltage of cells used in the	
	wide vocahulary				To construct a	of cells used in the	
1	wide vocabulary.				simple series		
1	wide vocabulary.				simple series electrical circuit,	of cells used in the circuit	
	wide vocabulary.				simple series electrical circuit, identifying &	of cells used in the circuit  To compare & give	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic	of cells used in the circuit To compare & give reasons for	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including	of cells used in the circuit  To compare & give reasons for variations in how	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs,	of cells used in the circuit  To compare & give reasons for variations in how components	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including	of cells used in the circuit  To compare & give reasons for variations in how components function, including	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers To identify	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers To identify whether or not a	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of buzzers & the	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers To identify	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers To identify whether or not a	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of buzzers & the	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers  To identify whether or not a lamp will light in a	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of buzzers & the on/off position of switches	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers  To identify whether or not a lamp will light in a simple series circuit, based on	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of buzzers & the on/off position of switches	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers  To identify whether or not a lamp will light in a simple series circuit, based on whether or not the	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of buzzers & the on/off position of switches  To use recognised	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers  To identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp lights in a	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of buzzers & the on/off position of switches  To use recognised symbols when	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers  To identify whether or not a lamp will light in a simple series circuit, based on whether or not the	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of buzzers & the on/off position of switches  To use recognised symbols when representing a simple	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers  To identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp lights in a simple circuit	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of buzzers & the on/off position of switches  To use recognised symbols when	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers  To identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp lights in a simple circuit  To recognise that a	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of buzzers & the on/off position of switches  To use recognised symbols when representing a simple circuit in a diagram	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers  To identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp lights in a simple circuit  To recognise that a switch opens &	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of buzzers & the on/off position of switches  To use recognised symbols when representing a simple circuit in a diagram  To construct &	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers  To identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp lights in a simple circuit  To recognise that a switch opens & closes a circuit &	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of buzzers & the on/off position of switches  To use recognised symbols when representing a simple circuit in a diagram  To construct & control a series	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers  To identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp lights in a simple circuit  To recognise that a switch opens & closes a circuit & associate this with	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of buzzers & the on/off position of switches  To use recognised symbols when representing a simple circuit in a diagram  To construct & control a series circuit, and describe	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers  To identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp lights in a simple circuit  To recognise that a switch opens & closes a circuit & associate this with whether or not a	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of bulbs, loudness of buzzers & the on/off position of switches  To use recognised symbols when representing a simple circuit in a diagram  To construct & control a series circuit, and describe how the circuit may	
	wide vocabulary.				simple series electrical circuit, identifying & naming its basic parts, including cells, wires, bulbs, switches & buzzers  To identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp lights in a simple circuit  To recognise that a switch opens & closes a circuit & associate this with	of cells used in the circuit  To compare & give reasons for variations in how components function, including the brightness of bulbs, loudness of buzzers & the on/off position of switches  To use recognised symbols when representing a simple circuit in a diagram  To construct & control a series circuit, and describe	

				simple series circuit  To recognise some common conductors & insulators & associate metals with being good conductors  Find patterns, eg brightness of lamp and number of cells		changing one component at a time. Find patterns associated with these changes.  Use this knowledge to make a useful object that lights up, eg traffic light or torch.	
<u>Physics</u>	DM:	DM:		To identify how			
Sound	Explore how things work.	Explore the natural world around them.  Describe what they see, hear and feel whilst outside.		sounds are made, associating some of them with something vibrating  To recognise that vibrations from sounds travel through a medium to the ear  To find patterns between the pitch of a sound and features of the object that produced it  To find patterns between the volume of a sound and the strength of the vibrations that produced it  To recognise that sounds get fainter as the distance from the sound source increases			
<u>Physics</u>	DM:	DM:			To describe the		
Earth and Space	Talking about what they see using a wide vocabulary.	Explore the natural world around them.  Describe what they see, hear and feel whilst outside.			movement of the Earth & other planets, relative to the Sun in the solar system  To describe the		

							movement of the		
							Moon relative to		
							the Earth		
							To describe the		
							Sun, Earth & Moon		
							as approximately		
							spherical bodies		
							To use the idea of		
							the Earth's		
							rotation to explain		
							day & night & the		
							apparent		
							apparent		
							movement of the		
							sun across the sky		
							Research or reenact		
							the development of		
							astronomy, especially		
1							the shift between the		
1							geocentric to		
							boliocontric models		
							heliocentric models.		
							Discuss key figures.		
							Compare times of day		
							at different locations		
							or construct a simple		
							shadow clock or		
							sundial.		
							Juliululi		
Riology	_	_	1 _	_	_	_	_	To recognise that	
<u>Biology</u>	-	-	-	-	-	-	=	To recognise that	
	-	-	-	-	-	-	-	living things have	
Evolution and	-	-	-	-	-	-	-	living things have changed over time	
	-	-	-	-	-	-	-	living things have changed over time and that fossils	
Evolution and	-	-	-	-	-	-	-	living things have changed over time and that fossils provide	
Evolution and	-	-	-	-	-	-	-	living things have changed over time and that fossils provide information about	
Evolution and	-	-	-	-	-	-	-	living things have changed over time and that fossils provide information about living things that	
Evolution and	-	-	-	-	-	-	-	living things have changed over time and that fossils provide information about living things that	
Evolution and	-	-	-	-	-	-	-	living things have changed over time and that fossils provide information about living things that inhabited the Earth	
Evolution and	-	-	-	-	-	-	-	living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years	
Evolution and	-	-	-	-	-	-	-	living things have changed over time and that fossils provide information about living things that inhabited the Earth	
Evolution and	-	-	-	-	-	-	-	living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago	
Evolution and	-	-	-	-	-	-	-	living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago  To recognise that	
Evolution and	-	-	-	-	-	-	-	living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago  To recognise that living things	
Evolution and	-	-		-	-	-	-	living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago  To recognise that living things produce offspring	
Evolution and	-	-		-	-	-	-	living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago  To recognise that living things produce offspring of the same kind,	
Evolution and	-	-		-	-	-	-	living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago  To recognise that living things produce offspring of the same kind, but normally	
Evolution and	-	-	-	-	-	-		living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago  To recognise that living things produce offspring of the same kind, but normally offspring vary and	
Evolution and	-	-		-	-	-	-	living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago  To recognise that living things produce offspring of the same kind, but normally offspring vary and	
Evolution and	-	-			-	-	-	living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago  To recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to	
Evolution and	-	-			-	-		living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago  To recognise that living things produce offspring of the same kind, but normally offspring vary and	
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Evolution and		-				-		living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago  To recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents  To identify how animals and plants are adapted to suit	
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		can lead to animals being more or less suited to their habitat, eg giraffe neck, polar bear coat, beaks changing
		To explain how environmental changes may have an impact on living things (eg: moths changing colour to camouflage against buildings)