	Foston	CE, Terringto	-	ton Primary Schools I Grow Together'	Progression Map
Subject: Biology			Subject Intent:		
Investigating Living Things			Within our Federation of schools, we intend that all our children will develop a deep curiosity about the world around them, and to experience the wonder which comes with gaining a knowledge and understanding about the processes and systems they can and can't see.		
			 Our children will further develop: The ability to think independently and raise questions about working scientifically and the knowledge and skills that it brings; Confidence and competence in the full range of practical skills; Excellent scientific knowledge and understanding which is demonstrated in written and verbal explanations; Scientific enquiry skills to be embedded in each topic throughout the school to allow the children to build upon prior knowledge; The ability to undertake practical work in a variety of contexts; Have a clear understanding of the jobs available from science specialisms. 		
Key Concept	-		Key Stage 1	LKS2	UKS2
Investigating Living Things	Торіс	Year A Spring term 1 Habitats -Polar habitats Year B Spring Term 1 Habitats -Woodlands -Rainforests	Habitats	Reproductive Life Cycles	Reproductive Life Cycles
Investigati	Objectives NC / Milestones	3 and 4 years Begin to understand the need to respect and care for the	Explore and compare the differences between things that are living, that are dead and that have never been alive.	LKS2 Recognise that living things can be grouped in a variety of ways.	UKS2 Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.

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		natural environment		Explore and use classification keys.	
		and all living things.	Identify that most living things		Describe the life process of reproduction
			live in habitats to which they are	Recognise that environments can change	in some plants and animals.
		Use all their senses in	suited and describe how	and that this can sometimes pose	
		hands-on exploration	different habitats provide for	dangers to specific habitat	Describe how living things are classified
		of natural materials.	the basic needs of different		into broad groups according to common
					observable characteristics.
		Reception	kinds of animals and plants and		observable characteristics.
		Explore the natural	how they depend on each other.		
		world around them.			Give reasons for classifying plants and
			Identify and name a variety of		animals based on specific characteristics
		Know some	plants and animals in their		
		similarities and	habitats, including micro-		
		differences between	habitats.		
		the natural world			
		around them and	Describe how animals obtain		
		contrasting			
		-	their food from plants and other		
		environments.	animals, using the idea of a		
		the density of a sure	simple food chain, and identify		
		Understand some	and name different sources of		
		important processes	food.		
		and changes in the			
		natural world around			
		them, including the			
		seasons and changing			
		states of matter.			
	Knowledge	3 and 4 years	That there are differences	To recognise that living things can be	To describe the differences between life
			between those things which are	grouped in a variety of different ways.	cycles of a mammal, an amphibian, an
		To ask and attempt to	living, dead and those things		insect and a bird.
		answer "why"	which have never been alive.	Specific example/s to be taught:	
		questions.		Fish	Specific example/s to be taught:
			Specific example/s to be taught:	Amphibians	
		Reception	Water	•	Human
			Table	Reptiles	Frog
			Teddy bear	Birds	Ladybird
			reudy bear		

To be able to ask	Log	Mammals	Robin
questions to find out	Tree	-	To describe the life process of
more and to check	Book	To be able to explore and use	reproduction in some plants and
what has been said to	Mushroom	classification keys.	animals.
them.	Computer		
	Wind	Specific example/s to be taught:	Specific example/s to be taught:
To articulate their	Bear	Dichotomous classification keys	Sexual reproduction between birds.
ideas and thoughts in well-formed	Seed		Flowering plant reproduction
sentences.	Sand	-	Vegetative reproduction
sentences.			
To use new	-	To recognise that environments can	NB: Human reproduction covered in
vocabulary in		change and that this can sometimes pose	PSHE lessons.
different contexts.	That most organisms live in	dangers to specific	
	habitats that they are suited to,	habitats.	
	and that these habitats provide		-
	for their basic needs.	Specific example/s to be taught:	To describe how living things are
		Loss of sea ice – polar bears	classified into broad groups according to
	Specific example/s to be taught:	Deforestation – jaguars	common observable characteristics.
	Shark – ocean	Urbanisation – hedgehogs	
	Gull – rocky coastal	Intensive farming – wildflowers	Specific example/s to be taught:
	Pigeon – city centre		Vertebrates
	Monkey – rainforest	-	Invertebrates
	Wolf – forest		Tetrapods
	Penguin – Antarctic	Group living things in a variety of	Oviparous animals
		different ways	Aquatic animals
	-		Insects
		Specific example/s to be taught:	
	That the following plants and	Organisms: ant, dolphin, shark, bear,	-
	animals live in specific habitats:	apple, bee, apple tree, beaver, squirrel,	To give reasons for classifying plants and
		rabbit, polar bear, rose, turtle, snake,	animals based on specific
	Specific example/s to be taught:	slug, iguana, tiger, buttercup, beetle,	characteristics.
		zebra, crocodile, fern, lionfish, fern tree.	
	Shark – ocean		Specific example/s to be taught:

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	Gull – rocky coastal	Groups: animals, flowering plants,	Fish
	Pigeon – city centre	mammals, aquatic animals, herbivores,	Amphibians
	Monkey – rainforest	vertebrates, reptiles, insects,	Reptiles
	Wolf – forest	invertebrates, predators.	Birds
	Penguin – Antarctic		Mammals
	Willow – wet ground	-	Vertebrates
	Coffee plant – rainforest	Use classification keys to group, identify	Invertebrates
	Minibeasts – tree stumps /	and name living things.	Tetrapods
	rotten leaves		Oviparous animals
	-	Specific example/s to be taught:	
		Use a dichotomous key to group, identify	
	That animals feed off other	and name: iguana, chicken, spider, snail,	
	animals and off plants, and that	frog, worm, fish, slug, fern, ant, tiger,	
	simple food chains can be used	rose.	
	to demonstrate this.	-	
	Creatific average /a to be tought.		
	Specific example/s to be taught:	Know how changes to an environment	
	Grass / zebra / lion	could endanger living things.	
	Cabbage / caterpillar / blackbird		
	Dandelion / rabbit / owl		
	Acorn / squirrel / fox	Specific example/s to be taught:	
		Loss of sea ice – polar bears	
		Deforestation – jaguars	
		Urbanisation – hedgehogs	
		Intensive farming – wildflowers	
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		-	
		Use subject specific vocabulary relating to	
		living things.	
		See vocab list below.	

Vocabulary	Polar Habitats	Reproduction - The process	LKS2	UKS2
	habitat,	through which young are		
	Arctic,	produced.	Organisms - This is another word that can	Fungi - a simple organism which is
	Antartica,		be used to mean 'living things'.	neither a plant nor an animal.
	polar bear,	Organism – This is another word		
	igloo,	that can be used to mean 'living	Environment - An environment contains	Protist – single celled, microscopic
	penguins,	things'.	many habitats and these include areas	organisms.
	habitat,	Unbitate The specific area or	where there	
	snowflake,	Habitats – The specific area or place in which particular animals	are both living and non-living things.	Monera - all one celled living organisms,
	iceberg,	or plants may live.		including bacteria.
	Woodlands		Endangered species - A plant or animal	Oviparous animals – an organism which
	habitat,	Food chains – A diagram which	where there are not many of their	produces eggs which hatch outside of
	woods,	shows how the energy flows	species left and scientists	the female.
	forest,	from food to what eats it.	are concerned that the species may	
	trees,		become extinct.	Tetrapods – vertebrates with four limbs.
	birds,	Producer – organisms which		
	squirrel,	make their own food from	Extinct - When a species has no more	Sexual reproduction – when a sperm
	foxes,	sunlight.	members alive on the planet, it is extinct.	from a male fertilises an egg from a
	hedgehog,			female.
	Rainforests	Consumer – an organism that	Mammals – an organism which gives	The second s
	habitat,	feeds on other organisms.	birth to live young.	Zygote cell – fertilised egg cell.
	sloth,	Predator – an animal which eats		Sperm cell – male reproductive cells.
	fruit bat,	other animals.	Aquatic animals – organisms which live in	Sperm cen male reproductive cens.
	Amazon,		water.	Egg cells – female reproductive cell.
	rainfall,	Plants – living things which grow	Harbinaras arganisms which mostly ast	
	tropical,	from the soil	Herbivores – organisms which mostly eat plants.	
	canopy,		pidito.	
	fern,	Flowering plants – any plant	Carnivores – organisms which mostly eat	
	leaves	which makes a flower	meant.	
			Omnivores – organisms which eat both	
			meat and plants.	

	Vertebrates – organisms which have a backbone.	
	Invertebrates – organisms with no backbones.	
	Reptiles – cold blooded vertebrates.	
	Insects – organisms with bodies in three segments, which are protected by a hard shell.	