

(KSVs to Sticky Knowledge and Vocabulary)



Year group / title / term				Biology Sticky Know	ledge			Vocabulary (most important for K Mat – not limited)
In KS1 pupils shou	d be taught to:			In KS2 pupils should b				
Year Groups	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Lesson 6	Assessment	Vocabulary
F1 Pent 1 Lent 2 Advent 1 Ongoing/Pent 1 Pent 1	Understanding the World – Knowledge exposed to Animals, Including Humans: • Begin to understand the key features of the life cycle of an animal • Identify, name and begin to describe some farm animals • Identify and name basic body parts Plants: • Understand that plants grow and decay Begin to understand the key features of the life cycle of a plant – (potatoes, tomatoes, beans – edible school).							Egg, Caterpillar, Cow, Pig, Sheep, Horse, Eyes, Mouth, Ears, Nose, Head, Arm, Leg, Grow, Cress, Apple, Mouldy, Sunflower, Plant, Leaf, Seed, Vegetable, Potatoes,
F2 Advent 2 Pent 1 Pent 1 Pent 1 Pent 2 Ongoing	 Animals, Includir Describe what - Recognis Recognis Understand to Understand to Understand to Plants: Describe what - Describe wh	he World – Knowled ng Humans: at they see, feel and ae, name and describ the, name and describ the key features of t the key features of t the key features of t	hear be animals be mini-beasts, ind he life cycle of an he life cycle of a h hear	animal	ts			Tomatoes, Beans cat, dog, bird, fish, lizard, paw, tail, wing, scales, fin habitat, worm, ladybird, snail, caterpillar, butterfly, spider frog, tadpole, frogspawn baby, toddler, child, teenager, adult,
	- Recognis	e, name and describ	e familiar trees ir	n our environment				elderly, daffodils, lavender, rosemary, bean, root, leaf, stem silver birch, oak, sycamore, pine tree

1/1	:	:	:			:	Com als il duon	A use us la tila ta us
Y1	identify, name,	identify and	identify and	describe and	describe and compare the	identify and	Can children	Amphibian
	draw and label	name a variety of	name a variety	compare the	structure of a variety of	name a	name the	Reptile
Animals,	the basic parts	common animals	of common	structure of a	common animals (birds	variety of	animals	Bird
including	of the human	including fish	animals	variety of	and mammals, including	common	(explored) and	Mammal
humans	body and say	(goldfish,	including fish	common	pets)	animals	classify them?	Fish
(Lent 1 &2)	which part of	clownfish,	(goldfish,	animals (fish,		(rabbits -		Herbivore
	the body is	minnow, carp),	clownfish,	amphibians,		herbivore,	Name any	Omnivore
	associated with	amphibians	minnow, carp),	reptiles)		magpie -	similarities and	Carnivore
	each sense.	(frogs, newts,	amphibians			omnivore,	differences	
		toads), reptiles	(frogs, newts,			crocodile -	between	
		(grass snake,	toads), reptiles			carnivore)		
		adder, bearded	(grass snake,			that are	Cow and	
		dragon,	adder,			carnivores,	blackbird.	
		crocodile) birds	bearded			herbivores		
		(robin, blackbird,	dragon) birds			and	Frog and	
		magpie, pigeon,	(robin,			omnivores	snake.	
		wagtails) and	blackbird,					
		mammals (horse,	magpie,					
		cow, pig, dogs ,	pigeon,					
		cats)	wagtails) and					
			mammals					
			(horse, cow,					
			pig, dogs ,					
			cats)					
	Working	Working	Working	Working	Working Scientifically	Working		
	Scientifically	Scientifically	Scientifically	Scientifically	Keep an on-going record	Scientifically		
	Keep an on-	Keep an on-going	Keep an on-	Keep an on-	of new scientific words	Keep an on-		
	going record of	record of new	going record of	going record of	that they have come	going record		
	new scientific	scientific words	new scientific	new scientific	across for the first time.	of new		
	words that	that they have	words that	words that		scientific		
	they have	come across for	they have	they have		words that		
	come across	the first time.	come across	come across		they have		
	for the first		for the first	for the first				
						come across for the first		
	time.		time.	time.				
						time.		
						A ale au a ati a		
						Ask questions		
						such as:		

				Why do some animals eat meat and others do not?	
	 K2 – goldfish, minnow and ca K3 – frogs, newts and toads a K4 – adders, bearded dragor K5 – robin, pigeon and magp 	are all amphibians. Is and crocodiles are all reptiles.			
Y1 Plants (Pentecost 1 &2)	identify and name a variety of common wild and garden plants, (buttercup, daisy, foxglove)	identify and name a variety of deciduous and evergreen trees – (silver birch, horse chestnut and sycamore and conifers)	identify and describe the basic structure of a variety of common flowering plants,	identify and describe the basic structure of a variety of common trees.	seed Petal Leaf / leaves Roots Stem Trunk Branch (twig?) Bark Bulb
	Working Scientifically Keep an on-going record of new scientific words that they have come across for the first time.	Working Scientifically Keep an on-going record of new scientific words that they have come across for the first time.	 Working Scientifically Keep an on-going record of new scientific words that they have come across for the first time. Use magnifying glasses to find out more about plants. Ask questions such as: Why are flowers different colours? 	Working Scientifically Keep an on- going record of new scientific words that they have come across for the first time.	

	Sticky Knowledge K1 – Common wi K2 – Deciduous t K3 – A stem hold K4 – The roots ar							
Y2 Animals, including humans (Advent 2)	find out about and describe the basic needs of animals, including humans, for survival (water, food and air)	describe the importance for humans of exercise	describe the importance for humans of hygiene.	describe the importance for humans of eating the right amounts of different types of food	describe the importance for humans of eating the right amounts of different types of food		Draw and label a healthier dinner or lunch. Explain your choices.	Healthy Balanced diet Hygiene Carbohydrates Proteins Fats Vitamins Minerals
	Working Scientifically Ask questions such as: What do all living things need to survive? Keep an on- going record of new scientific words that they have come across for the first time.	Working Scientifically Ask questions such as: How can we keep our bodies healthy? Keep an on-going record of new scientific words that they have come across for the first time.	Working Scientifically Ask questions such as: How can we keep our bodies healthy? Keep an on- going record of new scientific words that they have come across for the first time.	Working Scientifically Ask questions such as: How can we keep our bodies healthy? Classify or group things according to a given criteria, e.g. seed or bulb/ carbohydrates, proteins/ alive, never alive, dead. Keep an on- going record of new scientific words that	Working Scientifically Ask questions such as: How can we keep our bodies healthy? Keep an on-going record of new scientific words that they have come across for the first time.			

				they have					
				come across					
				for the first					
				time.					
	Sticky Knowledge	e							
	• K1 – Hur	mans need water, air	, food and shelter	to survive.					
	• K2 – Exe	rcise is important as	it helps to keep o	ur body strong and	l healthy.				
		 K3 – Good hygiene is important to keep us clean and safe. 							
		alanced diet is impor	· · · · · · · · · · · · · · · · · · ·		nutrients it needs				
		erent foods belong t							
Animals,	Recap of basic	Lifecycle of frog	Lifecycle of a	Lifecycle of				Lifecycle	
-								Offspring	
including	needs.	(recap Y1	chicken	butterfly				Adults	
humans	N I 11 11 1	amphibians –						Egg	
(Lent 1)	Notice that	frogs)						Tadpole	
	animals,							Froglet	
	including							Hatchling	
	humans, have							Pupa	
	offspring which								
	grow into								
	adults								
	Working	Working	Working	Working					
	Scientifically	Scientifically	Scientifically	Scientifically					
	Ask questions	Keep an on-going	Keep an on-	Keep an on-					
	such as:	record of new	going record	going record of					
	How does my	scientific words	of new	new scientific					
	body change as	that they have	scientific	words that					
	I grow up?	come across for	words that	they have					
	5	the first time.	they have	come across					
	Keep an on-		come across	for the first					
	going record of		for the first	time.					
	new scientific		time.						
	words that		ciffic.						
	they have								
	come across								
	for the first								
	time.								

	Sticky Knowledge	:						
	• K1 – Anir	nals, including huma	ns have offspring	that will grow into	adults.			
		lifecycle of a frog ha		-				
		lifecycle of a chicker						
		lifecycle of a butterf						
Y2	explore and	explore and	Review: basic	identify and	identify that most living	describe how	identify and	Habitat
	compare the	compare the	needs Y2	name a variety	things live in habitats to	animals	name different	Micro-habitat
Living Things	differences	differences	Animals	of plants and	which they are suited and	obtain their	sources of	Producer
and their	between things	between things	including	animals in their	describe how different	food from	food.	Consumer
Habitats	that are living,	that are living,	humans	habitats,	habitats provide for the	plants and		Predator
(Lent 2 &	dead, and	dead, and things		including	basic needs of different	other animals,		Prey Species
Pentecost 1)	things that	that have never	identify that	micro-habitats	kinds of animals and	using the idea		Respiration
	have never	been alive	most living		plants, and how they	of a simple	Assessment:	Sensitivity
	been alive		things live in		depend on each other	food chain	Children will be	Excretion
			habitats to	Lesson 2 –			given a picture	
			which they are	local micro-	Lesson 3 – world (ocean,		of a	
			suited and	habitats	woodland, rainforest etc)		plant/animal to	
			describe how				label showing	
			different				what it need to	
			habitats				survive.	
			provide for the				Then will be	
			basic needs of				asked to	
			different kinds				complete a	
			of animals and				least one	
			plants, and				simple food	
			how they				chain and,	
			depend on				where	
			each other				possible, label	
							terminology	
			Lesson 1 – pets				like producer,	
							consumer etc	
							or carnivore,	
							herbivore.	
	Working	Working	Working	Working	Working Scientifically	Working		
	Scientifically	Scientifically	Scientifically	Scientifically	Keep an on-going record	Scientifically		
	Classify or	Keep an on-going	Ask questions	Use	of new scientific words	Keep an on-		
	group things	record of new	such as:	magnifying	that they have come	going record		

	according to a given criteria, e.g. seed or bulb/ carbohydrates, proteins/ alive, never alive, dead. Keep an on- going record of new scientific words that they have come across for the first time. Sticky Knowledge • K1 - All li		How do animals adapt to their habitats? Why do some animals have underground habitats? Keep an on- going record of new scientific words that they have come across for the first time.	glasses to find out more about small creatures and plants. Keep an on- going record of new scientific words that they have come across for the first time.	across for the first time.	of new scientific words that they have come across for the first time.		
	• K4 – A fo				here mini-beasts can be foun sumer(s) and ends with a pre-		Accessment	Growth
Y2 Plants (Pentecost 2)	Review Y1 observe and describe how seeds and bulbs grow into mature plants (dwarf sunflower seed and narcissus bulb)	find out how plants need water, light and a suitable temperature to grow and stay healthy.			describe how plants need water, light and a suitable temperature to grow and stay healthy.		Assessment: Describe how plants need water, light and a suitable temperature to grow and stay healthy.	Growth Survival Mature Germination Environment

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Working	Working			Working Scientifically				
Scientifically	Scientifically			Using their observations				
Classify or	Ask questions			and ideas to suggest				
group things	such as:			answers to questions.				
according to a	Do all plants							
given criteria,	need water to			Gathering and recording				
e.g. seed or	grow? Is light			data to help in answering				
bulb/	necessary for			questions.				
carbohydrates,	plants to grow?							
proteins/ alive,	Can you describe							
never alive,	the life cycle of a			Keep an on-going record				
dead.	flowering plant?			of new scientific words				
				that they have come				
Observe and	Know how to set			across for the first time.				
record, with	up a comparative							
some accuracy,	test to show that							
the growth of a	plants need light							
variety of	and water to stay							
plants as they	healthy.							
change over								
time from a	Keep an on-going							
seed or bulb.	record of new							
	scientific words							
Keep an on-	that they have							
going record of	come across for							
new scientific	the first time.							
words that								
they have								
come across								
for the first								
time.								
Sticky Knowledge								
• K1 – seeds and bulbs have a store of food inside them.								
• K2 – Most seeds and bulbs do not need light to grow.								
				grow and stay healthy.				

Y3 Animals, including humans (Advent 2 & Lent 1)	Recap basic needs and nutrition from Y2. Humans need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from	identify that animals (human, sloth, cheetah, parrot, dog and cat) need the right types and amount of nutrition – compare human and dog.	identify that humans have skeletons for support, protection and movement.	identify that humans and <i>some other</i> <i>animals</i> (octopus, scorpion) have skeletons for support, protection and movement	identify that humans have muscles for support, protection and movement.	Name the three types of skeleton and name an animal. What is a vertebrate and invertebrate? How do muscles work?	Nutrition Contract Relax Endoskeleton, Exoskeleton Hydrostatic Vertebrate Invertebrate	
	what they eat Working Scientifically Keep an on- going record of new scientific words that they have come across for the first time.	Working Scientifically Keep an on-going record of new scientific words that they have come across for the first time.	Working Scientifically Keep an on- going record of new scientific words that they have come across for the first time.	Working Scientifically Keep an on-going record of new scientific words that they have come across for the first time.	Working Scientifically Keep an on- going record of new scientific words that they have come across for the first time.			
	 Sticky Knowledge K1 – Humans need different nutrients to other animals. K2 – Skeletons provide support, protection and movement. K3 –The three types of skeleton are: endoskeleton, exoskeleton and hydrostatic. K4 – Vertebrates have endoskeletons. Examples are: mammals, fish, amphibians, birds and reptiles. K5 – Some invertebrates have exoskeletons. Examples are: insects, spiders and crustaceans. K6 - Some invertebrates have hydrostatic skeletons. Examples are: earthworms, jelly fish and starfish. K7 – To know that muscles work in pairs (contracting and relaxing). 							

Y3	Recap Y1	Recap Y2	investigate the	explore the	explore the part that	Quiz on:	Seed dispersal
			way in which	part that	flowers play in the life	Parts and	Seed formation
Plants	identify and	explore the	water is	flowers play in	cycle of flowering plants ,	function of	Life-cycle
(Lent 2)	describe the	requirements of	transported	the life cycle of	including pollination, seed	flowering	Transport Absorbs
	functions of	plants for life and	within plants	flowering	formation and seed	plants	Nutrients
	different parts	growth (air, light,		plants,	dispersal	Seed formation	Ballistic
	of flowering	water, nutrients		including		and dispersal.	
	plants: roots,	from soil, and		pollination,		How water is	
	stem/trunk,	room to grow)		seed formation		transported	
	leaves and	and how they		and seed		within plants	
	flowers	vary from plant		dispersal			
		to plant					
	Working	Working	Working	Working	Working Scientifically		
	Scientifically	Scientifically	Scientifically	Scientifically	Keep an on-going record		
	Keep an on-	Keep an on-going	Keep an on-	Keep an on-	of new scientific words		
	going record of		going record	going record of	that they have come		
	new scientific	scientific words	of new	new scientific	across for the first time.		
	words that	that they have	scientific	words that			
	they have	come across for the first time.	words that	they have			
	come across for the first	the first time.	they have come across	come across for the first			
	time.	Observe which	for the first	time.			
	ume.	type of plants	time.	ume.			
	Group	grow in different	time.				
	information	places e.g.	Present				
	according to	bluebells in	findings using				
	common	woodland, roses	written				
	factors e.g.	in domestic	explanations				
	plants that	gardens, etc.	and include				
	grow in	8	diagrams when				
	woodlands or	Test to see which	needed.				
	plants that	type of soil is					
	grow in	most suitable	Make sense of				
	gardens.	when growing	findings and				
		two similar	draw				
		plants.	conclusions				
			which help				
		Set up a fair test	them to				

		with different variables e.g. the best conditions for a plant to grow. Explain to a partner why a test is a fair one	understand more about scientific information. Amend predictions according to findings.					
	 K2 – The K3 – Brig 	e roots absorb water a e stem/trunk transpor ghtly coloured flower	rts water and nutr s attract insects to	ients to the differents to the different	nors the plant. ent parts of the plant and pro n order for the life-cycle to st llistic, water and animals.			
Y4 Animals, including humans (Advent 1)	Recap (Y2 and Y3) diet and hygiene – link to teeth cleaning. identify the different types of teeth in humans and their simple functions	Tooth Decay identify what tooth decay is and possible causes	Name the basic parts of the digestive system in humans	describe the simple functions of the basic parts of the digestive system in humans	Recap from Y1 (herbivores, omnivores and carnivores) construct and interpret a variety of food chains, identifying producers, predators and prey	construct and interpret a variety of food chains, identifying producers, predators and prey	Name three different teeth. Tell the story of how your food is digested. Complete a food chain/web (with given predators and prey.	Incisors Molars Canines Salivary gland Oesophagus Pancreas Intestines Predator (Y2) Prey (Y2) Producer (Y2) Primary consumer Secondary consumer Tertiary consumer Decomposer
	Working Scientifically Keep an on- going record of new scientific words that they have come across	Working Scientifically Keep an on-going record of new scientific words that they have come across for the first time.	Working Scientifically Keep an on- going record of new scientific words that they have	Working Scientifically Keep an on- going record of new scientific words that they have come across	Working Scientifically Keep an on-going record of new scientific words that they have come across for the first time. Present findings using written explanations and	Working Scientifically Keep an on- going record of new scientific words that they have		

	for the first time.		come across for the first time.	for the first time. Ask questions such as: Why is the liver important in the digestive	include diagrams, when needed.	come across for the first time.		
				systems? Use research to find out how much time it takes to digest most of our food.				
	 Sticky Knowledge K1 – Teeth - incisors cut, molars chew and grind and canines tear. K2 – The salivary gland, oesophagus, pancreas, liver and intestines all form part of the digestive system. K3 – The oesophagus is the food highway that takes your food from your mouth down to your stomach. K4 – The liver creates different enzymes to help process nutrients and the pancreas releases insulin to regulate blood sugar levels. K5 – The intestines absorb the nutrients and processes the waste. K6 – a food web consists of producers, consumers and predators. 							
Y4 Living Things and their Habitats (Lent 2 & Pentecost 1)	Review Y3 – vertebrate and invertebrates Y1 – mammals, fish, amphibians, birds, reptiles. Humans including animals	explore classification keys to help group, identify and name a variety of living things in their local and wider environment birds, insects,	explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment		Recognise that environments can change and that this can sometimes pose dangers to living things. Link COP 26 or any current danger e.g. wild fires/volcanoes/rainforest etc		Assessment – Classify a given selection of living things – creating their own simple classification key. Identify an	Classification key Environmental change Climate change Natural disaster
	ammuio	amphibians,	birds, insects,				environmental	

recognise that living things can be grouped in a variety of ways	mammals and fish – check with Y1 so new coverage takes place.	amphibians, mammals and fish.		1-2 lessons		change that poses danger to living things and explain.					
Working Scientifically Keep an on- going record of new scientific words that they have come across for the first time.Ask questions such as: Why do animals share certain characteristics?	Working Scientifically Keep an on-going record of new scientific words that they have come across for the first time. Gather and record information using a chart, matrix or tally chart, depending on what is most sensible.	Working Scientifically Keep an on- going record of new scientific words that they have come across for the first time. Gather and record information using a chart, matrix or tally chart, depending on what is most sensible.		Working Scientifically Keep an on-going record of new scientific words that they have come across for the first time.							
 K1 – Livit K2 – Class 	Sticky Knowledge • K1 – Living things can be grouped in lots of different ways e.g. animal classification, features, habitats, diet etc • K2 – Classification keys help us to identify a living thing or decide which group it belongs to. • K3 – Environments can change (global warming, natural disasters) which can pose dangers to living things and their habitats.										

Y5	Recap – Y2	Gestation period	Brain	Puberty (links	Life Expectancy	Name the	Cognitive
10	human growth	– humans and	development	to RSHE)		stages of	Linguistic
Animals,	(baby to adult)	other animals	uevelopment			development	Social
including						and explain	Emotional
humans	describe the					what happens	Motor
							Gestation period
(Pentecost 1)	changes as					at each stage.	Foetus
	humans						Puberty
	develop to old					Which	Adolescence
	age.					gestation	Life Expectancy
						period	
	Stages of					matches the	
	development					following	
	from post					animals?	
	conception to						
	old age.						
	Working	Working	Working	Working	Working Scientifically		
	Scientifically	Scientifically	Scientifically	Scientifically	Keep an on-going record		
	Keep an on-	Keep an on-going	Keep an on-	Keep an on-	of new scientific words		
	going record of	record of new	going record	going record of	that they have come		
	new scientific	scientific words	of new	new scientific	across for the first time.		
	words that	that they have	scientific	words that			
	they have	come across for	words that	they have			
	come across	the first time.	they have	, come across			
	for the first		come across	for the first			
	time.		for the first	time.			
	time.		time.	childe.			
	Set up an		cirric.				
	enquiry-based						
	investigation						
	e.g. find out						
	e.g. find out what						
	adults/chn can						
	do now that						
	they couldn't						
	when a baby.						

	 Sticky Knowledge K1 – 0-3 years of life are the most important for brain development. K2 - During puberty, girls develop breasts and start their periods and boys develop a deeper voice and grow facial hair. K3 - The larger a mammal the greater the gestation period (with the exception of humans). K4 - A human's average life expectance is approximately 80 years in the UK. 								
Y5 Living Things and their Habitats (Lent 1 & 2)	Recap from Y2 – simple lifecycles (frog, butterfly and chicken) describe the differences in the life cycles an amphibian (salamander).	describe the differences in the life cycles an insect (dragonfly).	describe the differences in the life cycles a bird (robin).	describe the differences in the life cycles of a mammal (dolphin verses human).	describe the life process of reproduction in some plants and animals. Lesson 1/2 – sexual reproduction in plants Lesson 3 – asexual reproduction in plants Lesson 4 – sexual reproduction of animals		Assessment – to label the male and female parts of a flower. Draw and label the two lifecycles out of a dragonfly, salamander, robin and a dolphin.	Larva Nymph Moult Hatchling Fledgling Calf Gills Metamorphosis Germination Fertilisation Anther Filament Receptacle Ovary Ovule Sepal Style Stigma	
	Working Scientifically Keep an on- going record of new scientific words that they have come across for the first time. Able to relate causal relationships when, for example,	Working Scientifically Keep an on-going record of new scientific words that they have come across for the first time. Able to relate causal relationships when, for example, studying life cycles.	Working Scientifically Keep an on- going record of new scientific words that they have come across for the first time. Able to relate causal relationships when, for	Working Scientifically Keep an on- going record of new scientific words that they have come across for the first time. Able to relate causal relationships when, for example,	Working Scientifically Keep an on-going record of new scientific words that they have come across for the first time. Use diagrams, as and when necessary, to support writing.				

	studying life cycles. Use diagrams, as and when necessary, to support writing.	Use diagrams, as and when necessary, to support writing.	example, studying life cycles. Use diagrams, as and when necessary, to support writing.	studying life cycles. Use diagrams, as and when necessary, to support writing.				
	 K2 – A dr K3 – A rc K4 – A w K5 – A hu K6 – A pl K7 – Plar K8 – Som 	alamander has five st ragonfly has three st obin has five stages to hale has three stage	ages to its lifecycle o its lifecycle – egg s to its lifecycle – e to its lifecycle –foe to its lifecycle – see xually and asexual and female parts s	e – egg, nymph ang g, hatchling, chick, calf, juvenile and a etus, baby, child, te ed, germination, so ly. so they can reprod	fledgling, adult. dult. eenager, adult and elderly. eedling and plant.	va with all four li	mbs and adult.	
Y6 Animals, including humans (Lent 1)	Recap – Y3 skeleton and muscles identify and name the main parts of the human circulatory system, and	describe the functions of the heart, blood vessels and blood	Recap Y2 (diet) and Y3 (diet and exercise) recognise the impact of diet and exercise on the way their bodies function		Y4 recap on human digestive system. describe the ways in which nutrients and water are transported within animals, including humans		Blank heart – label the parts and tell the story about how the blood circulates the body. Impact of drugs and lifestyle on bodies.	Arteries Veins Capillaries Atriums Ventricles Pulse Oxygenated De-oxygenated Nicotine Caffeine Alcohol

Working	Working	Working	Working	Working Scientifically		
Scientifically	Scientifically	Scientifically	Scientifically	Keep an on-going record		
Keep an on-	Keep an on-going	Keep an on-	Keep an on-	of new scientific words		
going record of	record of new	going record	going record of	that they have come		
new scientific	scientific words	of new	new scientific	across for the first time.		
words that	that they have	scientific	words that			
they have	come across for	words that	they have			
come across	the first time.	they have	come across			
for the first		come across	for the first			
time.		for the first	time.			
		time.				
			Be clear about			
		Be clear about	what has been			
		what has been	found out			
		found out	from their			
		from their	enquiry and			
		enquiry and	can relate this			
		can relate this	to others in			
		to others in	class.			
		class.				
		<u>Evalenctions</u>	Explanations			
		Explanations	set out clearly			
		set out clearly as to why	as to why			
		something has	something has			
		happened and	happened and			
		its possible	its possible			
		impact on	impact on			
		other things.	other things.			
		Able to record				
		data and				
		present them				
		in a range of				
		ways including				
		diagrams,				
		labels,				
		classification				

			keys, tables, scatter graphs and bar and line graphs.				
	 K2 – The K3 – Bloc K4 – The K5 – Dru, 	circulatory system is circulatory system c od only flows in one o re are four chambers gs can have a negativ	arries oxygen, nut direction. s to the heart. ye impact on our p	rients and hormor			
Y6 Living Things and their Habitats (Pentecost 2)	Recap from Y4 and Y2 (classification of animals) describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including animals – (invertebrates	describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including plants – (without seeds - ferns, mosses.)	describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro- organisms – (good microbes)	describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro- organisms – (bad microbes)	give reasons for classifying plants and animals based on specific characteristics	To classify a given set of mirco- organisms and invertebrates.	Micro-organism Microbe Arthropod Mollusc Cnidarian Annelid Echinoderm Sponge Ferns Mosses

– all sub						
categories)						
Working	Working	Working	Working	Working Scientifically		
Scientifically	Scientifically	Scientifically	Scientifically	Keep an on-going record		
Keep an on-	Keep an on-going	Keep an on-	Keep an on-	of new scientific words		
going record of	record of new	going record	going record of	that they have come		
new scientific	scientific words	of new	new scientific	across for the first time.		
words that	that they have	scientific	words that			
they have	come across for	words that	they have	Able to give an example		
come across	the first time.	they have	come across	of something they have		
for the first		come across	for the first	focused on when		
time.	Able to record	for the first	time.	supporting a scientific		
	data and present	time.		theory e.g. classifying		
Able to record	them in a range		Able to record	vertebrate and		
data and	of ways including	Able to record	data and	invertebrate creatures or		
present them	diagrams, labels,	data and	present them	why certain creatures		
in a range of	classification	present them	in a range of	choose their unique		
ways including	keys, tables,	in a range of	ways including	habitats.		
diagrams,	scatter graphs	ways including	diagrams,			
labels,	and bar and line	diagrams,	labels,	Able to record data and		
classification	graphs.	labels,	classification	present them in a range		
keys, tables,		classification	keys, tables,	of ways including		
scatter graphs		keys, tables,	scatter graphs	diagrams, labels,		
and bar and		scatter graphs	and bar and	classification keys, tables,		
line graphs.		and bar and	line graphs.	scatter graphs and bar		
		line graphs.		and line graphs.		
		0 1 1 1 1 1				
 Sticky Knowledge	<u> </u>					
	- nals, plants and micr	o-organisms can h	e classified into d	ifferent groups		
	ertebrates have no sp			o 1		
	ns and mosses grow a			0		
	ro-organisms can be					
	-					
 K5 – IVIIC 	ro-organisms can be	good of bad and (can have many US	εδ.		

Y6	Recap (Y5 –		Y2 and Y4		Recognise that living		Identify how a	Inheritance		
	living things		living things		things have changed over		given animal or	Evolution		
Evolution and	and their		and their		time and that fossils		plant is	Adaptation		
Inheritance	habitats)		habitats		provide information		adapted to suit	Offspring		
(Lent 2 &	,				about living things that		their	Scientific theory		
Pentecost 1)	Recognise that		Identify how		inhabited the Earth		environment in	Natural selection		
,	living things		, animals and		millions of years ago.		different ways	Naturalist		
	produce		plants are		, C		and that			
	, offspring of the		adapted to suit				adaptation			
	same kind, but		their				may lead to			
	normally		environment in				evolution.			
	offspring vary		different ways							
	and are not		and that							
	identical to		adaptation							
	their parents.		may lead to							
			evolution.							
	Working		Working		Working Scientifically					
	Scientifically		Scientifically		Keep an on-going record					
	Keep an on-		Keep an on-		of new scientific words					
	going record of		going record		that they have come					
	new scientific		of new		across for the first time.					
	words that		scientific							
	they have		words that		Frequently carry out					
	come across		they have		research when					
	for the first		come across		investigating a scientific					
	time.		for the first		principle or theory.					
			time.							
	Sticky Knowledge									
					e and pass on characteristics	to their offspring	g. This is known as	natural selection.		
			•	•	from those of long ago.					
			eory used by biol	ogists. It explains h	now living things changed over	er a long time, an	d how they have o	come to be the way		
	they are.									
					we can see their remains in	the rocks.				
	• K5 - Evolutionary questions are still being actively researched by biologists.									