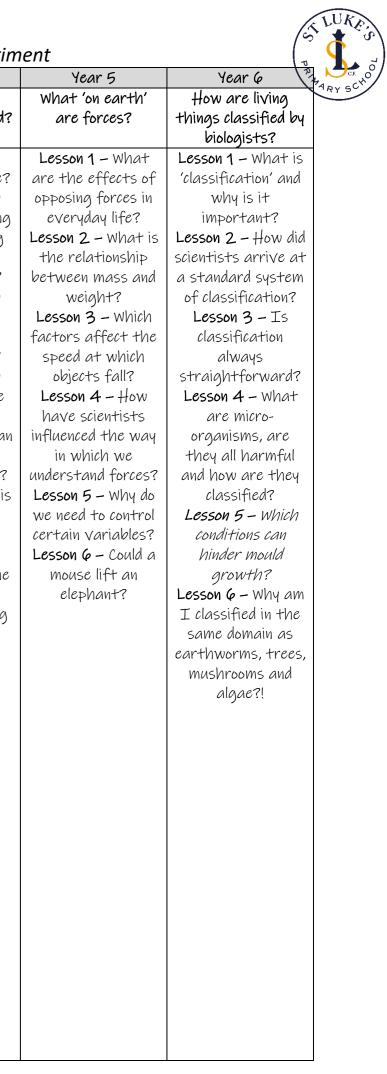
Italics = Investigation/Exper

		Science Curricului					stigation/Experin
EYFS	Nursery	Reception	KS1+2	Year 1	Year 2	Year 3	Year 4
Topics - Big	Who am I?	What is a family?	Topic 1 - Big	Do all animals enjoy	Why is health and	In what ways are	How can living
Questions,	Talk about what	Learn new	Question	winter?	hygiene so crucial	opposing forces	things be grouped?
Activities,	they see, using a	vocabulary.			for humans?	useful?	
Statements	wide vocabulary.	Use new vocab	Topic 1 -	Lesson 1 - What	Lesson 1 - Why do	Lesson 1 - What is	Lesson 1 - Mrs
		throughout the	Composite	are the four	humans need	the difference	Gren Who is she?
	Explore how things	day. And in	Components	seasons?	exercise to stay	between a pushing	Lesson 2 - How
	work.	different contexts.		Lesson 2 - Why do	healthy?	and a pulling force?	can we group living
				we have different	Lesson 2 - What	Lesson 2 - What	things depending
	Understand the	Connect ideas and		seasons?	effect does exercise	effect does friction	on their shared
	key features of	actions to another		Lesson 3 - Why is	have on our bodies?	have?	characteristics?
	the life cycles of a	using a range of		night time longer in		Lesson 3 - How do	Lesson 3 - How
	plant and an	connectives.		winter?	are the different	we sort magnetic	can we group
	animal.	T		Lesson 4 - What	food groups?	and non-magnetic	organisms in
	un state a	Engage in non-		do different	Lesson 4 - Why is	materials?	different ways?
	Use a wider range	fiction books.		animals do to	it important to	Lesson 4 - How	Lesson 4 - How
	of vocabulary.	Lichan he and halls		survive winter	eat a range of food	can I investigate	can organisms be
	Understand 'why'	Listen to and talk about selected non-		weather?	types?	the strength of	classified?
	questions.	fiction to develop a		Lesson 5 - Do all	Lesson 5 – Which	different	Lesson 5 – How can
	questions.			animals around the	foods would you	magnets?	I create a
	villa at un alcar a anad	deep familiarity with new		world adapt to	include in your own	Lesson 5 - When do	classification key?
	What makes a good or bad character?			winter in the same	healthy lunchbox?	magnets attract	Lesson 6 - What is
	Talk about what	knowledge and		way? Lesson 6 - How is	Lesson 6 - How	and when do they repel?	the key to survival?
	they see, using a	vocabulary.		climate change	does good hygiene help us to stay	Lesson 6 - What	Lesson 7 - How
	wide vocabulary.	How do we		affecting how	healthy?	game could I	does change in the
		celebrate?		animals live?	Lesson 7 - How can	design using	environment
	Explore how things	Explore the natural			we prevent germs	magnets?	impact upon living
	work.	world around them.			from spreading?	10001013:	things?
	Understand the	Understand some					
	key features of	important					
	the life cycles of a	processes and					
	plant and an	changes in the					
	animal.	natural world					
		around them,					
	Use a wider range	including the					
	of vocabulary.	seasons and					
		changing states of					
	Understand 'why'	matter.					
	questions.						
		Learn new					
	Why can't I live	vocabulary.					
	under the sea?	Use new vocab					
	Use all of their	throughout the					
	senses in hands-on	day. And in					
	exploration of	different contexts.					
	natural materials.						
		Connect ideas and					
		actions to another					
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Italics = Inv	vestigation/	'Experiment

	Science Curricului	m Overview: Nur	sery to yearb		Italics = inves	stigation/Experim	ient	
Talk about what	using a range of	KS1+2	Year 1	Year 2	Year 3	Year 4	Year 5	Year G
they see, using a wide vocabulary. Explore how things work. Understand the key features of	connectives. Engage in non- fiction books. Listen to and talk about selected non- fiction to develop a	Topic 2 – Big Question	What do animals and humans have in common?	How do different species ensure their survival?	What is light?	What happens to our bodies when we eat or drink?	Oops! Can I get that back? (Reversible and irreversible changes)	How has a growing understanding of inheritance and adaptation helped to shape the theory of evolution?
 the life cycles of a plant and an animal. Use a wider range of vocabulary. Understand 'why' questions. What makes each dinosaur different? Talk about what they see, using a wide vocabulary. Explore how things work. Understand the key features of the life cycles of a plant and an animal. Use a wider range of vocabulary. Understand 'why' questions. Where does food and drink come from? Use all of their senses in hands-on exploration of natural materials. Explore collections of materials with 	deep familiarity with new knowledge and vocabulary. Which mode of transport is best? Explore the natural world around them. Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. Describe what the use, hear and feel whilst outside. Learn new vocabulary. Use new vocab throughout the day. And in different contexts. Connect ideas and actions to another using a range of connectives. How have I changed? Learn new vocabulary.	Topic 2 - Components	Lesson 1 - What are the senses? Lesson 2 - Why do animals and humans have senses? Lesson 3 - Which animals have four legs? Lesson 4 - What do different animals eat? Lesson 5 - What do birds and mammals have in common? Lesson 6 - Are humans animals?	Lesson 1 - What are the basic needs of all animals? Lesson 2 - Which offspring do and do not look like their parents when they are born? Lesson 3 - How do the lifecycles of different mammals compare? Lesson 4 - How do mammals' life cycles compare to other animal types? Lesson 5 - Why do animals have offspring?	Lesson 1 - What light sources do we see and use every day and how do they help us? Lesson 2 - How will the absence of light affect my predictions? Lesson 3 - Which materials are the most reflective? Lesson 4 - How does a mirror distort an image? Lesson 5 - How is the sun's light harmful? Lesson 6 - Which materials make the best shadows? Lesson 7 - When do shadows change size?	Lesson 1 - What are the main organs of the digestive system? Lesson 2 - How does the human digestive system work? Lesson 3 - How can I identify the different types of teeth in the human body and their functions? Lesson 4 - What is the structure of a tooth? Lesson 5 - Which drinks will cause more decay to our teeth? Lesson 6 - What happened in our tooth decay investigation? Lesson 7 - What is a food chain?	Lesson 1 - What are common tests for properties of materials? Lesson 2 - What are the everyday uses of conductors and insulators? Lesson 3 - Which materials are soluble in water? Lesson 4 - How can I separate a range of mixtures back into their original components? Lesson 5 - How can we tell if a change is reversible or irreversible?	Lesson 1 - What is meant by 'inheritance' and how does it explain why offspring look like their parents? Lesson 2 - What is 'adaptation' and what are some adaptive traits in familiar species? Lesson 3 - How do we know about organisms that used to exist on earth but are now extinct? Lesson 4 - How did the theory of evolution, well, evolve? Lesson 5 - How do fossil discoveries support the theory of evolution? Lesson 6 - How is artificial selection different from natural selection? Lesson 7 - What do I think about the theory of evolution?

Italics = Investigation/Experi

Use new vocab throughout the day. And in different contexts. Connect ideas and actions to another using a range of connectives. Engage in non- fiction books. Listen to and talk about selected non-	KS1+2 Topic 3 – Big Question Topic 3 – Composite Components	Year 1 Are all skeletons the same? Lesson 1 - What is an animal? Lesson 2 - What is	Year 2 Does material choice matter? Lesson 1 - What materials can we	Year 3 What makes our bodies healthy? Lesson 1 - What	Year 4 Why are we so reliant on electricity? Lesson 1 – Which	Year 5 How do we know what is 'out of this world'?	Year G What are the circulatory and digestive systems and how can we keep them healthy?
day. And in different contexts. Connect ideas and actions to another using a range of connectives. Engage in non- fiction books. Listen to and talk	Question Topic 3 – Composite	the same? Lesson 1 - What is an animal?	choice matter? Lesson 1 - What	bodies healthy?	reliant on electricity?	what is 'out of this world'?	circulatory and digestive systems and how can we keep them
actions to another using a range of connectives. Engage in non- fiction books. Listen to and talk	Composite	an animal?		Lesson 1 - What			and how can we keep them
using a range of connectives. Engage in non- fiction books. Listen to and talk	Composite	an animal?		Lesson 1 – What	Lesson 1 - Which	1	healthu?
connectives. Engage in non- fiction books. Listen to and talk	Composite	an animal?		Lesson 1 - What	Lesson 1 - Which	ا الد المتحمما	
Engage in non- fiction books. Listen to and talk	·		materials can we			Lesson 1 - What do	Lesson 1 - What is
fiction books. Listen to and talk	Components	Lesson 2 - What is		groups can I sort	machines need	I already know	the circulatory
fiction books. Listen to and talk			find in our local	food into?	electricity to work?	about space?	system and which
		a skeleton's job?	environment?	Lesson 2 - What	Lesson 2 - How	Lesson 2 - What is	organs are in it?
		Lesson 3 - Why is my skeleton	Lesson 2 – What does suitability of	types of nutrients are in my meal?	and why is electricity	in our solar system?	Lesson 2 – How are nutrients
about selected non-		important?	materials mean?	Lesson 3 - How do	dangerous?	Lesson 3 - Why	transported around
		Lesson 4 - How	Lesson 3 - How do	food labels help us	Lesson 3 - How	don't we all float	the body?
fiction to develop a							Lesson 3 -
					work?	' .	Understanding
		Lesson 5 – What	vary and affect	Lesson 4 - What	Lesson 4 - How	can a scatter	digestion. Why is it
· · ·		body part links to	their suitability?	are some	does a circuit work	graph help us to	that what comes
vocabulary.		your senses?	Lesson 4 – Can all	similarities and	and how can it be	identify causal	out looks so
villan laeltac mez			materials change	differences in	fixed?	relationships in	different from
			their shape and is	animal skeletons?	Lesson 5 - What	data?	what goes in?!
· ·							Lesson 4 - What
							happens to the
Learn new			-		•		water we drink?
vocabulary.							Lesson 5 - How can
Use new vocab					e a	· .	I tell if my heart is healthy?
throughout the							Lesson 6 - How can
· · ·							I make healthy
different contexts.			most suitable for			-	eating choices?
			curtains?	I test the effect		changed	Lesson 7 - How do
			Lesson 7 – Which	the length of my		throughout	drugs and alcohol
			materials would	femur has on my		history?	affect the
			keep a fragile	ability to jump?			circulatory and
000000000000			-				digestive systems?
Enagae in non-			,				
fiction books.			using sustainable				
Listen to and talk							
about selected non-			IMPORTANT ?				1
fiction to develop a							1
deep familiarity							
with new							
vocabulary.							
	deep familiarity with new knowledge and vocabulary. Who helps me? Xplore the natural world around them. Learn new vocabulary. Use new vocab throughout the day. And in lifferent contexts. Connect ideas and actions to another using a range of connectives. Engage in non- fiction books. Listen to and talk bout selected non- iction to develop a deep familiarity	deep familiarity with new knowledge and vocabulary. Who helps me? xplore the natural world around them. Learn new vocabulary. Use new vocab throughout the day. And in lifferent contexts. Connect ideas and actions to another using a range of connectives. Engage in non- fiction books. Listen to and talk bout selected non- iction to develop a deep familiarity with new knowledge and	 deep familiarity with new knowledge and vocabulary. Who helps me? xplore the natural vorld around them. Learn new vocabulary. Use new vocab throughout the day. And in lifferent contexts. Connect ideas and actions to another using a range of connectives. Engage in non- fiction books. Listen to and talk bout selected non- ietion to develop a deep familiarity with new knowledge and 	 iction to develop a deep familiarity with new howledge and vocabulary. who helps me? xplore the natural vorld around them. Learn new vocabulary. Learn new vocabulary. Learn new vocabulary. Learn new vocab throughout the day. And in lifferent contexts. Connect ideas and actions to another using a range of connectives. Engage in nonfiction books. Listen to and talk bout selected nonicition to develop a deep familiarity with new knowledge and 	 des a doctor see bones? des a doctor see bones? dess and see the properties of different materials change their shape and is this change reversible? dess and bones caurtains? dess and tones sourch ties and books. des a fragile bolget the safest during transit? dess and bones des a fragile bolget the safest during transit? desson 8 - Why is using sustainable materials important? 	iction to develop a dees a doctor see boxes? dees familiarity with new knowledge and vecabulary. Who helps me? xplore the natural world around them. Learn new vecabulary. Use new vecabulary. Leston to an ether similarity with new kerting to an ange of connectives. Engage in non-fiction to develop a deep familiarity with new knowledge and	 does a doctor see boxes? <

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Italics = Investigation/Experi

		Science Curricului	m Overview: Nur	sery to Yearb		Italics = Inves	stigation/Experim	ient	
	e a wider range	What is life like	KS1+2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
01	f vocabulary.	around our planet?	Topic 4 - Big	How are plants and	Why are plants	It's alive?! How do	How do animals	Could we survive	How does light
Line	davage to an d to aland	Explore the natural	Question	trees different?	vital to planet?	we know that	hear differently to	without the sun?	travel?
	derstand 'why'	world around them.				plants are living	humans?		
	questions.	Understand some				things?			
			Topic 4 -	Lesson 1 - What	Lesson 1 – Why do	Lesson 1 - What	Lesson 1 – How are	Lesson 1 – How do	Lesson 1 – How do
		important processes and	Composite	are the parts of a	we need seeds and	are the functions	sounds made and	we get day and	we see?
		changes in the	Components	plant?	bulbs?	of the different	how do we hear	night?	Lesson 2 - How is
		natural world		Lesson 2 - What is	Lesson 2 - How do	parts of a plant?	things?	Lesson 2 - Why do	light reflected?
		around them,		a plant's job?	seeds differ from	Lesson 2 - What	Lesson 2 - How	we have different	Lesson 3 - What is
		including the		Lesson 3 - What	one another?	do plants need to	well does sound	time zones in the	refraction and how
		seasons and		plants can we see	Lesson 3 - What	grow well?	travel through	world?	does it change the
		changing states of		in local gardens?	environmental	Lesson 3 - How	different	Lesson 3 - Why	direction in which
		matter.		Lesson 4 - What is	conditions do plants	can I show results	materials?	are the seasons	light travels?
				different about	need to grow? (Do	in a way that is	Lesson 3 - What is	different in the	Lesson 4 - How
		Describe what the		trees and plants?	all plants need the	easy to understand?	pitch and how can	northern and	does a prism show the full spectrum
		use, hear and feel			same conditions?)	Lesson 4 - How is	I arrange sounds in order of it?	southern hemispheres?	of light?
		whilst outside.			Lesson 4 - How	water transported	Lesson 4 - Why do	Lesson 4 - Does	Lesson 5 - How
					can we care for our	around the	vibration levels	the moon affect	does light enable
		Learn new			own class plant?	different parts of	change when sound	life on Earth?	us to see colour?
		vocabulary.			Lesson 5 - How can	a flower?	levels go quieter or	Lesson 5 - Why is	Lesson 6 - Why do
		Use new vocab			we measure and	Lesson 5 - How do	louder?	Earth known as a	shadows keep the
		throughout the			record the growth	the different	Lesson 5 - Does	'Goldilocks Planet'?	same shape as the
		day. And in			of a sunflower?	parts of a flower	vibration make a		object that casts
		different contexts.			Lesson 6 - What	enable pollination	difference to		them?
					will happen if a	and fertilisation?	sound?		
		Connect ideas and			plant doesn't get	Lesson G - What	Lesson 6 - How do		
		actions to another			water or light?	are the stages of	animals hear		
		using a range of			Lesson 7 - How do	a plant's life cycle?	differently to		
		connectives.			the lifecycles of		humans?		
		Emagae in mon.			plants differ?				
		Engage in non- fiction books.							
		TICTION COOKS.							
		Listen to and talk							
		about selected non-							
		fiction to develop a							
		deep familiarity							
		with new							
		knowledge and							
		vocabulary.							
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Italics = Investigation/Experi

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	KS1+2	Year 1	Year 2	Year 3	Year 4	Year 5	Year G
	Topic 5 – Big Question	Why isn't slime suitable for building houses?	Why do living things choose particular habitats?	How is the earth below our feet formed?	What is the difference between solids, liquids and gases?	Why are bees so important?	How do electrical appliances work?
	Topic 5 -	Lesson 1 - What	Lesson 1 - How do	Lesson 1 - What	Lesson 1 - Is it	Lesson 1 - What is	Lesson 1 – What
	Composite	materials do I	you know if	different types of	always easy to	the ultimate goal	were some of the
	Components	already know of?	something is living,	rocks are there	decide if something	of all living things?	key discoveries
		Lesson 2 - What	dead or never	and how are they	is solid, liquid or	Lesson 2 - How do	regarding
		materials are	alive?	formed?	gas?	plants reproduce?	electricity and how
		common in school?	Lesson 2 - What is	Lesson 2 - What	Lesson 2 - Is it	Lesson 3 - What is	were they
		Lesson 3 - What	the importance of	properties of rocks	possible to change	the most effective	significant?
		physical properties	a food chain for	allow us to group	between different	way for plants to	Lesson 2 - Why is
		can we see in our	living things?	them?	states of matter?	reproduce?	it important that
		classroom?	Lesson 3 - What	Lesson 3 - How	Lesson 3 - How	Lesson 4 - What	we have a
		Lesson 4 - What	habitats do	are fossils formed?	can we group	did Eva Crane find	standard way to
		groups of materials can we	different animals live in?	Lesson 4 - How did	substances	out about the life cycle of bees?	draw circuits? Lesson 3 – What is
		find in the Year 1	Lesson 4 - How do	Mary Anning contribute to	according to whether they are	Lesson 5 - What	the effect of
		area?	different habitats	palaeontology?	solids, liquids or	can Eva Crane's	differing voltages
		Lesson 5 - How do	in the UK compare?	Lesson 5 - How is	gases?	research teach us	in a circuit?
		materials differ?	Lesson 5 - How do	soil formed?	Lesson 4 - How	about the impact	Lesson 4 – Does
			different habitats	Lesson 6 - Are	can temperature	of the decline of	wire length affect
			in the wider world	some soils more	cause solids to	bee populations?	how components
			compare to one	permeable than	change to liquids		work in a circuit?
			another?	others?	and vice versa?		Lesson 5 – What
			Lesson 6 - Where		Lesson 5 - Do		could I investigate
			could we create a		certain particles		about electricity?
			microhabitat in our		have more energy?		Lesson 6 – How
			local environment		Lesson 6 - What is		could I improve
			and what might		the science behind		upon my previous
			choose to live in it?		making slime?		investigation?
			Lesson 7 – Which		Lesson 7 – Does		
			materials could we		the temperature		
			use to create a		affect how fast		
			microhabitat in our		the towels dry?		
			classroom?		Lesson 8 - What		
					are the stages of		
					the water cycle?		

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Italics = Investigation/Experiment

Science Curriculum Overview: Nurserv to Year6

Science Curriculu	in Overview. Nur	sery to rearb		$\pi u = \pi u$	estigation/Experim	ient	
	KS1+2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Topic G - Big	Why are seasons			what impact have	Is the 'circle of	
	Question	important?			famous scientists	life' the same for	
					had on the world?	all animals?	
	Topic 6 -	Lesson 1 - How			Lesson 1 - How	Lesson 1 – What	
	Composite	has the season			have electrical	are the stages in	
	Components	changed this year?			inventions changed	the mammalian life	
		Lesson 2 – Which			people's lives?	cycle?	
		clothes do we wear			Lesson 2 - What	Lesson 2 - What	
		in different			did Alexander	physical changes do	
		seasons?			Graham Bell	humans experience	
		Lesson 3 - Why			invent and how has	before birth?	
		wouldn't winter			it changed things?	Lesson 3 - How do	
		clothes be suitable			Lesson 3 - How	human bodies	
		for summer?			Gerald Durrell	change during	
		Lesson 4 - How			helped to save	puberty?	
		long is a day in			Madagascar's	Lesson 4 - What	
		Finland compared			living things?	similarities and	
		to England?			Lesson 4 – Which	differences are	
		Lesson 5 - Why do			scientists have	there between	
		some countries get			made a great	human and other	
		more rainfall than			impact on the	animal	
		others?			modern world?	life cycles?	
					Lesson 5 – How did		
					these scientists		
					change the world?		