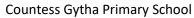
Working F	Reception Finding ways to	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
•	Finding ways to					i cai 5	i Cai O
•	Finding ways to						
. T C g s a P d h t: p a C t g C a R t	solve problems, Making predictions Testing their ideas, Developing ideas of grouping, sequences, cause and effect Planning, making decisions about how to approach a task, solve a problem and reach a goal, Checking how well their activities are going, Changing strategy as needed, Reviewing how well the approach worked	Asking simple questions and recognising that they can be answered in different ways, Observing closely, using simple equipment, Performing simple tests, Identifying And classifying, Using their Observations and ideas to suggest answers to questions, Gathering and recording data to help in answering questions	Asking simple questions and recognising that they can be answered in different ways, Observing closely, using simple equipment, Performing simple tests, Identifying and classifying, Using their observations and ideas to suggest answers to questions, Gathering and recording data to help in answering questions	Asking relevant questions and using different types of scientific enquiries to answer them, Setting up simple Practical enquiries, comparative and fair tests, Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers, Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions,	Asking relevant questions and using different types of scientific enquiries to answer them, Setting up simple practical enquiries, comparative and fair tests, Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers, Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions, Recording findings	Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary, Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate, Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs, Using test results	Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary, Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate, Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs, Using test results

				diagrams, keys, bar	Reporting on	Reporting and	Reporting and
				charts, and tables,	findings from	presenting findings	presenting findings
				Reporting on	enquiries, including	from enquiries,	from enquiries,
				findings from	oral and written	including	including
				enquiries, including	explanations,	conclusions, causal	conclusions, causal
				oral and written	displays or	relationships and	relationships and
				explanations,	presentations of	explanations of and	explanations of and
				· ·	results and	•	•
				displays or		a degree of trust in	a degree of trust in
				presentations of	conclusions,	results, in oral and	results, in oral and
				results and	Using results to	written forms such	written forms such
				conclusions,	draw simple	as displays and	as displays and
				Using results to	conclusions, make	other	other
				draw simple	predictions for new	presentations,	presentations,
				conclusions, make	values, suggest	Identifying	Identifying
				predictions for new	improvements and	scientific evidence	scientific evidence
				values, suggest	raise further	that has been used	that has been used
				improvements and	questions,	to support or	to support or
				raise further	Identifying	refute ideas or	refute ideas or
				questions,	differences,	arguments	arguments
				Identifying	similarities or		
				differences,	changes related to		
				similarities or	simple scientific		
				changes related to	ideas and		
				simple scientific	processes,		
				ideas and	Using		
				processes,	straightforward		
				Using	scientific evidence		
				straightforward	to answer		
				scientific evidence	questions or to		
				to answer	support their		
				questions or to	findings.		
				support their			
				findings.			
Animals	They make	Identify and name	Notice that	Identify that	Describe the	Describe the	Identify and name
including	observations of	a variety of	animals, including	animals, including	simple functions of	changes as humans	the main parts of
humans	animals and plants	common animals	humans, have	humans, need the	the basic parts of	develop to old age	the human
	and explain why	including fish,	offspring which	right types and	· •	, ,	

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	some things occur, and talk about	amphibians, reptiles, birds and	grow into adults, Find out about and	amount of nutrition, and that	the digestive system in humans,		circulatory system, and describe the
	changes	mammals Identify	describe the basic	they cannot make	Identify the		functions of the
		and name a variety	needs of animals,	their own food;	different types of		heart, blood
		of common animals	including humans,	they get nutrition	teeth in humans		vessels and
		that are carnivores,	for survival (water,	from what they	and their simple		blood,
		herbivores and	food and air), Describe the	eat, Identify that	functions, Construct and		Recognise the
		omnivores, Describe and	importance for	humans and some	interpret a variety		impact of diet, exercise, drugs
		compare the	humans of	other animals have	of food chains,		and lifestyle on
		structure of a	exercise, eating the	skeletons and	identifying		the way their
		variety of common	right amounts of	muscles for	producers,		bodies function,
		animals (fish,	different types of	support, protection	predators and prey		Describe the ways
		amphibians,	food, and hygiene	and movement	predators and prey		in which nutrients
		reptiles, birds and	Tood, and Trygiche	and movement			and water are
		mammals including					transported
		pets),					within animals,
		Identify, name,					including humans
		draw and label the					
		basic parts of the					
		human body and					
		say which part of					
		the body is					
		associated with					
		each sense					
Living things	Children know		Explore and		Recognise that	Describe the	Describe how
and their	about similarities		compare the		living things can be	differences in the	living things are
habitats	and differences in		differences		grouped in a	life cycles of a	classified into
(evolution)	relation to places,		between things		variety of ways,	mammal, an	broad
	objects, materials		that are living,		Explore and	amphibian, an	groups according to
	and living things,		dead, and things		use classification	insect and a bird,	common
	They talk about		that have never		keys to help group,	Describe the life	observable
	the features of		been alive,		identify and name	process of	characteristics and
	their own		Identify that		a variety of living	reproduction in	based on
	immediate		most living things		things in their local	some plants and	similarities and
	environment and		live in habitats to		and wider	animals	differences,
	how environments		which they are		environment,		including

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	might vary from		suited and describe		Recognise that		microorganisms,
	one another		how different		environments		plants and animals,
			habitats provide for		can change and		Give reasons for
			the basic needs of		that this can		classifying plants
			different kinds of		sometimes pose		and animals based
			animals and		dangers to living		on specific
			plants, and how		things		characteristics
			they depend on				
			each other,				
			Identify and				
			name a variety of				
			plants and				
			animals in their				
			habitats, including				
			microhabitats,				
			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				
Materials,	Children know	Distinguish	Identify and	Rocks	States of	Compare and	
States of	about similarities	between an	compare the	Compare and	Matter	group together	
Matter and	and differences in	object and the	suitability of a	group together	Compare and	everyday	
Rocks	relation to places,	material from	variety of everyday	different kinds of	group materials	materials on the	
	objects, materials	which it is made,	materials, including	rocks on the basis	together, according	basis of their	
	and living things,	Identify and name	wood, metal,	of their	to whether they	properties,	
	They make	a variety of	plastic, glass, brick,	appearance and	are solids, liquids	including their	
	observations of	everyday materials,	rock, paper and	simple physical	or gases,	hardness,	
	animals and plants	including wood,	cardboard for	properties,	Observe that some	solubility,	
	and explain why	plastic, glass,	particular uses,	Describe in simple	materials change	transparency,	
	somethings occur,	metal, water, and	Find out how the	terms how fossils	state when they	conductivity	
		rock,	shapes of solid	are formed when	are	(electrical and	



	•				Countess Gytha Primar	y School
and talk about	Describe the	objects made from	things that have	heated or cooled,	thermal), and	
changes,	simple physical	some materials can	lived are trapped	and measure or	response to	
They know the	properties of a	be changed by	within rock,	research the	magnets,	
properties of some	variety of everyday	squashing,	Recognise that soils	temperature at	Know that some	
materials and can	materials,	bending, twisting	are made from	which this happens	materials will	
suggest some of	Compare and	and stretching	rocks and organic	in degrees Celsius	dissolve in liquid to	
the purposes they	group together a		matter	(°C),	form a solution,	
are used for	variety of everyday			Identify the part	and describe how	
	materials on the			played by	to recover a	
	basis of their			evaporation	substance from	
	simple			and condensation	a solution,	
	physical properties			in the water cycle	Use knowledge	
				and associate the	of solids, liquids	
				rate of evaporation	and gases to decide	
				with temperature	how mixtures	
					might be	
					separated,	
					including through	
					filtering, sieving	
					and evaporating,	
					Give reasons,	
					based on evidence	
					from comparative	
					and fair tests, for	
					the particular uses	
					of everyday	
					materials, including	
					metals, wood and	
					plastic,	
					Demonstrate that	
					dissolving, mixing	
					and changes of	
					state are reversible	
					changes,	
					Explain that some	
					changes result in	
					the formation of	

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						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	
Plants	They make	Identify and name	Observe and	Identify and			
	observations of	a variety of	describe how seeds	describe the			
	animals and plants	common wild and	and bulbs grow	functions of			
	and explain why	garden plants,	into mature	different parts of			
	some things occur,	including	plants,	flowering plants:			
	and talk about	deciduous	Find out and	roots, stem/trunk,			
	changes	and evergreen	describe how	leaves and flowers,			
		trees,	plants need water,	Explore the			
		Identify and	light and a suitable	requirements of			
		describe the basic	temperature to	plants for life and			
		structure of a	grow and stay	growth (air, light,			
		variety of common	healthy	water, nutrients			
		flowering plants,		from soil, and room			
		including trees		to grow) and how			
				they vary from			
				plant to plant,			
				Investigate the			
				way in which water			
				is transported			
				within plants,			
				Explore the part			
				that flowers play in			
				the life cycle of			
				flowering plants,			
				including			
				pollination, seed			

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			formation and seed		
			dispersal		
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Seasonal	Looks closely at	Observe changes			
changes	similarities,	across the 4			
	differences,	seasons,			
	patterns and	Observe and			
	change – in	describe weather			
	relation to the four	associated with the			
	seasons and when	seasons and how			
	different weather	day length varies			
_	occurs				
Forces, Earth	Developing ideas		Forces &	Forces	
and Space	of grouping,		Magnets	Explain that	
	sequences, cause		Compare how	unsupported	
	and effect in		things move on	objects fall towards	
	relation to		different surfaces	the Earth because	
	movement i.e toys,		notice that some	of the force of	
	cars, rough		forces need contact	gravity acting	
	surfaces,		between 2 objects,	between the Earth	
	They know the		but magnetic	and the falling	
	properties of		forces	object.	
	some materials		can act at a	Identify the effects	
	and can suggest		distance,	of air resistance,	
	some of the		Observe how	water resistance	
	purposes they are		magnets attract	and friction, that	
	used for,		or repel each	act between	
	They are familiar		other and attract	moving	
	with basic scientific		some materials	surfaces,	
	concepts such as		and not others,	Recognise that	
	floating, sinking,		Compare and	some mechanisms	
	experimentation		group together a	including levers,	
			variety of everyday	pulleys and gears	
			materials on the	allow a smaller	
			basis of whether	force to have a	
			they are attracted	greater effect	
			to a magnet, and		
			identify some		

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	magnetic materials,		
	Describe magnets		
	as having 2 poles,		
	Predict whether		
	2 magnets will		
	attract or repel		
	each other,		
	depending on		
	which poles are		
	facing		
Sound, Light	Light	Sound	Light
and Electricity	Recognise that	Identify how	Recognise that
·	they need light	sounds are made,	light appears to
	in order to see	associating	travel in straight
	things and that	some of them	lines,
	dark is the absence	with something	Use the idea that
	of light,	vibrating,	light travels in
	Notice that	Recognise that	straight lines to
	light is reflected	vibrations from	explain that
	from surfaces,	sounds travel	objects are seen
	Recognise that light	through a	because they give
	from the sun can	medium to the ear,	out or reflect light
	be	Find patterns	into the eye,
	dangerous and	between the pitch	Explain that we see
	that there are	of a sound and	things because light
	ways to protect	features of the	travels from light
	their eyes,	object that	sources to our eyes
	Recognise that	produced it,	or from light
	shadows are	Find patterns	sources to objects
	formed when the	between the	and then to our
	light from a light	volume of a	eyes,
	source is blocked	sound and the	Use the idea
	by an opaque	strength of the	that light
	object,	vibrations that	travels in
	Find patterns	produced it,	straight lines to
	in the way that	Recognise that	explain why
	the size of shadows		shadows have



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		change	sounds get fainter		the same shape
			as the distance		as the objects
			from the sound		that cast them
			source increases		
					Electricity
			Electricity		Associate the
			Identify common		brightness of a
			appliances that		lamp or the
			run on electricity,		volume of a buzzer
			Construct a		with the number
			simple series		and voltage of cells
			electrical circuit,		used in the circuit,
			identifying and		Compare and
			naming its		give reasons for
			basic parts,		variations in
			including cells,		how components
			wires, bulbs,		function, including
			switches and		the brightness of
			buzzers,		bulbs, the loudness
			Identify whether or		of buzzers and the
			not a lamp will		on/off position of
			light in a simple		switches,
			series circuit, based		Use recognised
			on whether or not		symbols when
			the lamp is part of		representing a
			a complete loop		simple circuit in a
			with a battery,		diagram
			Recognise that a		
			switch opens and		
			closes a circuit and		
			associate this with		
			whether or not a		
			lamp lights in a		
			simple series		
			circuit,		
			Recognise some		
			common		
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		conductors and		
		insulators, and		
		associate metals		
		with being good		
		conductors		