	Advent 1	Advent 2	Lent 1	Lent 2	Pentecost 1	Pentecost 2
EYFS Science	Topic 1: Me and	Topic 1: Senses	Topic 1: What's	Topic 1: Changes	Topic 1: From desert	Topic 1: Animal
Taken from ELG	my small world	Development	changed?	in Winter	to jungle	detectives
	Development	Matters -	Development	Development	Development Matters	Development
	Matters -	Reception	Matters - 3 and	Matters -	- Reception	Matters
	Reception	 Explore the 	4-year-olds	Reception	• Recognise some	 3 and 4-year-
	 Explore the 	natural world	 Talk about the 	 Understand the 	environments that are	olds - Begin to
	natural world	around them.	differences	effect of changing	different from the	understand the
	around them.		between materials	seasons on the	one in which they live.	need to respect
			and changes they	natural world		and care for the
	Topic 2: What's in	Topic 2: Let's go	notice.	around them.		natural environment
	my basket?	outside	investigate and	• Children	Topic 2: Watch it	and all living things.
	Development	Development	experience things.	investigate and	grow	 Reception -
	Matters - 3 and	Matters -	 Talk about what 	experience things	Development Matters	Recognise some
	4-year-olds	Reception	they have done and	 Notices 	- 3 and 4-year-olds	environments that
	 Talk about the 	 Explore the 	found out.	similarities,	 Plant seeds and 	are different from
	differences	natural world		difference and	care for growing	the one in which
	between materials	around them.		changes	plants.	they live.
	and	• Describe what	Topic 2: Night and		 Understand the key 	
	changes they	they see, hear and	day	Topic 2: Let it flow	features of the life	Topic 2: Pushes
	notice.	feel whilst outside.	Development	Development	cycle of a plant and an	and pulls
	 Children 	 Understand the 	Matters -	Matters - 3 and	animal.	Development
	investigate and	effect of changing	Reception	4-year-olds	Development Matters	Matters - 3 and
	experience things	seasons on the	 Understand the 	 Talk about the 	- Reception	4-year-olds
		natural world	effect of changing	differences	• Explore the natural	 Explore how
		around them	seasons on the	between materials	world around them.	things work.
		differences,	natural world	and changes they		• Explore and talk
		patterns and	around them	notice.		about different
		change in nature				forces they can
		-				feel.

						Development Matters - Reception • Describe what they see, hear and feel whilst outside. • Explore and test their own ideas
Year 1 Science:	Animals including humans The Human Body Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense	Seasonal Changes Observe changes across the four seasons. (Autumn and winter) Observe and describe weather associated with the seasons and how day length varies. Everyday Materials Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and	Animals including humans Identify and name a variety of common animals, including fish, amphibians, reptiles, birds and mammals. Identify and name a variety of common animals that are carnivores, herbivores and omnivores. Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and	Seasonal Changes Observe changes across the four seasons. (Spring) Observe and describe weather associated with the seasons and how day length varies	Plants Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. Identify and describe the basic structure of a variety of common flowering plants, including trees	Seasonal changes Observe changes across four seasons. (Summer) Observe and describe weather associated with the seasons and how day length varies

		rock. Describe the simple physical properties of a variety of everyday materials. Compare and group together a variety of everyday materials on the basis of their simple physical properties.	mammals including pets			
Year 2 Science:	Animals including humans. Describe the basic needs of animals, including humans, for survival. Describe the importance for humans of exercise, eating healthily and hygiene.	Animals including humans. Notice that animals including humans have offspring which grows into adults. Uses of everyday materials. Identify and compare the suitability of everyday materials for particular uses.	Uses of everyday materials. Identify and compare the suitability of everyday materials for particular uses. Find out how the shapes of solid objects can be changed. Plants. Investigate what plants need to grow and stay healthy.	Plants. Observe and describe how seeds and bulbs grow into mature plants.	Living things and their habitats. Identify habitats and how they provide the needs for different animals and plants. Name a variety of plants and animals in their habitats and micro-habitats.	Living things and their habitats. Exploring the difference between things that are living, dead and have never been alive. Describe food chains.

Year 3 Science:	Animals including	Animals including	Rocks	Light	Plants	Forces and
	Humans	humans	Describe in simple	Recognise that	Identify and describe	magnets
	Identify that	Identify that	terms how fossils	they need light in	the functions of	Compare how things
	humans and some	animals, including	are formed when	order to see things	different parts of a	move on different
	animals have	humans, need the	living things that	and that dark is	flowering plant.	surfaces.
	skeletons and	right types and	have lived are	the absence of		
	muscles for	amounts of	trapped within rock.	light.	Explore the	Notice that some
	support, movement	nutrition, and they			requirements of	forces need
	and protection.	cannot make their	Recognise that soils	Notice that light is	plants for life and	contact, but
		own food; they get	are made rocks and	reflected from	growth (air, light,	magnetic forces
		nutrition from what	organic matter.	surfaces.	water, nutrients from	can act at a
		they eat.			soil, and room to	distance.
				Recognise that	grow) and how they	
		Rocks		light from the sun	vary from plant to	Observe how
		Compare and group		can be dangerous	plant.	magnets attract
		together different		and that there are		and repel some
		kinds of rocks		ways to protect	Investigate the way	materials and not
		based on their		the eyes.	water is transported	others.
		appearance and			within plants.	
		simple physical		Recognise that		Compare and group
		properties.		shadows are	Explore the part that	together a variety
				formed when the	flowers play in the	of everyday
				light from a light	life cycle of a	materials on the
				source is blocked.	flowering plants,	basis of whether
					including pollination,	they attracted to a
				Find patterns in	seed formation and	magnet, and
				the way that the	seed dispersal.	identify some
				size of shadows		magnetic materials.
				can change.		
						Describe magnets
						as having two poles.

grouped in a variety of ways.whether they are solids, liquids or gases.them with something vibrating. construct a simple series electrical circuit, identifyingin a variety of ways.digestive system humans.Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.Observe that some state when they are heated or cooled, and measure or environment.Recognise that vibrations from sounds travel to the ear.Construct a simple series electrical circuit, identifying and naming its basic parts, wires, bulbs, suitches and buzzers.In a variety of ways.digestive system humans.Construct a simple series electrical classification keysObserve that some vibrations from sounds travel through a medium to the ear.Construct a simple series electrical and naming its basic parts, wires, bulbs, suitches and buzzers.Explore and use classification keys to help group, identify different types teeth and their functions.identify and name a variety of living things in their local and wider environment.Site when they to the ear.including cells, wires, bulbs, buzzers.living things in their local and wider environment.Construct and interpret a variet of food chains, identifying producers,Identify whether environments.of a sound and features of theIdentify whether or not a lamp willRecognise that environments can change and that this	Year 4 Science:	Living Things and	States of Matter	Sound	Electricity	Living things and	Predict whether two magnets will attract or repel depending on which poles are facing. Animals including
evaporation and condensation in the water cycle and associate the rateof a sound and the strength of the vibrations that produced it.loop with a battery.evaporation and battery.of a sound and the strength of the vibrations that produced it.loop with a battery.		Recognise that living things can be grouped in a variety of ways. Explore and use classification keys to help group, identify and name a variety of living things in their local and wider	materials together, according to whether they are solids, liquids or gases. Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C). Identify the part played by evaporation and condensation in the water cycle and	are made, associating some of them with something vibrating. Recognise that vibrations from sounds travel through a medium to the ear. Find patterns between the pitch of a sound and features of the object that produced it. Find patterns between the volume of a sound and the strength of the vibrations that	appliances that run on electricity. Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers. Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.	Recognise that living things can be grouped in a variety of ways. 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	Describe the functions of the digestive system in humans. Identify the different types of teeth and their functions. Construct and interpret a variety of food chains, identifying

		of evaporation with temperature.	Recognise that sounds get fainter as the distance from the sound source increases.	closes a circuit and associate this with whether or not a lamp lights in a simple series circuit. Recognise some common conductors and insulators, and associate metals with being good conductors.		
Year 5 Science:	Forces Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.	Earth and Space Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. Describe the movement of the Moon relative to the Earth. Describe the Sun, Earth and Moon as approximately spherical bodies.	Properties and changes of materials Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets. Know that some materials will		Living things and their habitats Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird Describe the life process of reproduction in some plants and animals.	Animals including humans describe the changes as humans develop to old age. (puberty and the changes that happen to boys and girls)

Recognise that some mechanisms,	Use the idea of the Earth's rotation to	dissolve in liquid to		
including levers,	explain day and	form a solution, and describe how to		
pulleys and gears,	night and the	recover a substance		
allow a smaller	apparent movement	from a solution.		
force to have a	of the sun across	from a solution.		
greater effect.	the sky.	Use knowledge of		
greater effect.	The Sky.	solids, liquids and		
		gases to decide how		
		mixtures might be		
		separated, including		
		through filtering,		
		sieving and		
		evaporating.		
		evapor army.		
		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.		
		2		
		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.		
Year 6 Science:	Light	Animals including	Electricity	Evolution and	Living things and
	Recognise that	humans	Associate the	Inheritance	their habitats
	light appears	Identify and name	brightness of a lamp	Recognise that	Describe how living
	travels in straight	the main parts of	or the volume of a	living things have	things are
	lines.	the human	buzzer with the	changed over time	classified into
		circulatory system,	number voltage of	and that fossils	broad groups
	Use the idea that	and describe the	cells used in the	provide	according to
	light travels in	functions of the	circuit.	information about	common observable
	straight lines to	heart, blood vessels		living things that	characteristics and
	explain that	and blood.	Compare and give	inhabited the	based on
	objects are seen		reasons for	Earth millions of	similarities and
	because they give	Recognise impact of	variations in how	years ago.	differences,
	out or reflect light	diet, exercise,	components		including micro-
	into the eye.	drugs and lifestyle	function, including	Recognise that	organisms, plants
		on the way their	the brightness of	living things	and animals.
	Explain that we see	bodies function.	bulbs, the loudness	produce offspring	
	things because		of buzzers and the	of the same kind,	Give reasons for
	light travels from	Describe the ways	on/off position of	but normally	classifying plants
	light sources to our	in which nutrients	switches.	offspring vary and	and animals based
	eyes or from light	are transported		are not identical to	on specific
	sources to objects			their parents.	characteristics.

and then to our	within animals,	Use recognised		
eyes.	including humans.	symbols when	Identify how	
		representing a	animals and plants	
Use the idea that		simple circuit in a	are adapted to suit	
light travels in		diagram.	their environment	
straight lines to			in different ways	
explain why			and that	
shadows have the			adaptation may	
same shape as the			lead to evolution.	
objects that cast				
them.				