	Advent 1	Advent 2	Lent 1	Lent 2	Pentecost 1	Pentecost 2
EYFS Science Taken from ELG	Me and my small world Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.	Let's go outside Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter	Changes in Winter Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.	Watch it grow Explore the natural world around them, making observations and drawing pictures of animals and plants.	From city to sea Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.	Happy and healthy Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.
	What's in my basket? Listen attentively and respond to what they hear with relevant questions, comments and actions when being read to and during whole class discussions and	What's changed? Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter	Let it flow Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter	Animal detectives Know some similarities and differences between the natural world around them and contrasting environments, drawing on their	Look all around Explore the natural world around them, making observations and drawing pictures of animals and plants.	Our wonderful world Give focused attention to what the teacher says, responding appropriately even when engaged in activity, and show an ability to follow instructions

	small group interactions Senses Understand some important processes and changes in the natural world around them,	Night and day Understand some important processes and changes in the natural world around them,	From desert to jungle Explore the natural world around them, making observations and drawing	experiences and what has been read in class. Pushes and pulls Understand some important processes and changes in the natural world around them,	Test it out! Understand some important processes and changes in the natural world around them, including the seasons and changing	involving several ideas or actions. We're going on an animal hunt Explore the natural world around them, making observations and drawing pictures
	including the seasons and changing states of matter	including the seasons and changing states of matter	pictures of animals and plants.	including the seasons and changing states of matter	states of matter	of animals and plants
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.	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	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
		Everyday Materials	carnivores,			

		N: 1: : 1	1 1.			
		Distinguish	herbivores and			
		between an object	omnivores.			
		and the material				
		from which it is	Describe and			
		made. Identify and	compare the			
		name a variety of	structure of a			
		everyday materials,	variety of common			
		including wood,	animals (fish,			
		plastic, glass,	amphibians,			
		metal, water and	reptiles, birds and			
		rock. Describe the	mammals including			
		simple physical	pets			
		properties of a				
		variety of everyday				
		materials. Compare				
		and group together				
		a variety of				
		everyday materials				
		on the basis of				
		their simple				
		physical properties.				
Year 2 Science:	Animals including	Animals including	Uses of everyday	Plants.	Living things and	Living things and
	humans.	humans.	materials.	Observe and	their habitats.	their habitats.
	Describe the basic	Notice that animals	Identify and	describe how	Identify habitats	Exploring the
	needs of animals,	including humans	compare the	seeds and bulbs	and how they provide	difference between
	including humans,	have offspring	suitability of	grow into mature	the needs for	things that are
	for survival.	which grows into	everyday materials	plants.	different animals and	living, dead and
		adults.	for particular uses.		plants.	have never been
	Describe the					alive.
	importance for	Uses of everyday	Find out how the		Name a variety of	
	humans of	materials.	shapes of solid		plants and animals in	Describe food
	exercise, eating	1,131,31,31,31				chains.
						2.,2/10.

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

				light from a light source is blocked. Find patterns in the way that the size of shadows can change.	flowering plants, including pollination, seed formation and seed dispersal.	basis of whether they attracted to a magnet, and identify some magnetic materials. Describe magnets as having two poles. Predict whether two magnets will attract or repel depending on which poles are facing.
Year 4 Science:	Living Things and their habitats 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.	States of Matter Compare and group 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).	Sound Identify how sounds 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.	Electricity Identify common 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,	Living things and their habitats 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	Animals including humans 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 producers, predators and prey.

		Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.	Find patterns between the volume of a sound and the strength of the vibrations that produced it. Recognise that sounds get fainter as the distance from the sound source increases.	based on whether or not the lamp is part of a complete loop with a battery. 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 conductors and insulators, and associate metals with being good conductors.	dangers to living things.	
Year 5 Science:	Forces Explain that	Earth and Space Describe the	Properties and changes of		Living things and their habitats	Animals including humans
	unsupported	movement of the	materials		Describe the	describe the
	objects fall	Earth, and other	Compare and group		differences in the	changes as humans
	towards the Earth	planets, relative to	together everyday		life cycles of a	develop to old age.
	because of the	the Sun in the solar	materials on the		mammal, an	(puberty and the
	force of gravity	system.	basis of their		amphibian, an insect	changes that
	acting between the		properties, including		and a bird	happen to boys and
	Earth and the	Describe the	their hardness,			girls)
	falling object.	movement of the	solubility,		Describe the life	
			transparency,		process of	

Tal	lentify the	Moon relative to	conductivity	reproduction in some	
	-	the Earth.	(electrical and	plants and animals.	
	sistance, water	me Lui m.	thermal), and	piants and animais.	
	•	Describe the Sun,	response to		
		Earth and Moon as	•		
	•		magnets.		
	_	approximately	V		
Sur	rfaces.	spherical bodies.	Know that some		
D-		Line Ales Sales a Cales	materials will		
	3	Use the idea of the	dissolve in liquid to		
		Earth's rotation to	form a solution, and		
		explain day and	describe how to		
	•	night and the	recover a substance		
		apparent movement	from a solution.		
		of the sun across			
gre	eater effect.	the sky.	Use knowledge of		
			solids, liquids and		
			gases to decide 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 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 Recognise that light appears travels in straight lines. Use the idea that light travels in straight lines to explain that objects are seen because they give	Animals including humans Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. Recognise impact of diet, exercise,	Electricity Associate the brightness of a lamp or the volume of a buzzer with the number voltage of cells used in the circuit. Compare and give reasons for variations in how components	Evolution and Inheritance Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.	Living things and their habitats Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-

out or reflect	light drugs and lifestyle	function, including	Recognise that	organisms, plants
into the eye.	on the way their	the brightness of	living things	and animals.
	bodies function.	bulbs, the loudness	produce offspring	
Explain that we	e see	of buzzers and the	of the same kind,	Give reasons for
things because	Describe the ways	on/off position of	but normally	classifying plants
light travels fr	om in which nutrients	switches.	offspring vary and	and animals based
light sources to	o our are transported		are not identical to	on specific
eyes or from li	ght within animals,	Use recognised	their parents.	characteristics.
sources to obje	ects including humans.	symbols when		
and then to our	•	representing a	Identify how	
eyes.		simple circuit in a	animals and plants	
		diagram.	are adapted to suit	
Use the idea th	nat		their environment	
light travels in			in different ways	
straight lines t	0		and that	
explain why			adaptation may	
shadows have t	he		lead to evolution.	
same shape as	the			
objects that co	ast			
them.				