	Advent 1	Advent 2	Lent 1	Lent 2	Pentecost 1	Pentecost 2
Year 1 Science:	Animals Including	Seasonal Changes	Everyday Materials	Plants		Seasonal changes
	Humans	Observe changes	Distinguish between	Identify and name		Observe changes
	Identify and name	across the four	an object and the	a variety of		across four
	a variety of	seasons. (Autumn	material from which	common wild and		seasons. (Spring
	common animals,	and winter)	it is made.	garden plants,		and Summer)
	including fish,			including deciduous		
	amphibians,		Identify and name a	and evergreen		Observe and
	reptiles, birds and		variety of everyday	trees.		describe weather
	mammals.		materials, including			associated with the
			wood, plastic, glass,	Identify and		seasons and how
	Identify and name		metal, water and	describe the basic		day length varies.
	a variety of		rock.	structure of a		
	common animals			variety of common		
	that are		Describe the simple	flowering plants,		
	carnivores,		physical properties	including trees.		
	herbivores and		of a variety of			
	omnivores.		everyday materials.			
	Describe and		Compare and group			
	compare the		together a variety			
	structure of a		of everyday			
	variety of common		materials on the			
	animals (fish,		basis of their			
	amphibians,		simple physical			
	reptiles, birds and		properties.			
	mammals including					
	pets)					

	Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.			
Year 2 Science:	Animals including humans. Notice that animals including humans have off spring which grows into adults. Describe the basic needs of animals, including humans, for survival (water, food and air) Describe the importance for humans of exercise, eating healthily and hygiene.	Uses of every day materials. Identify and compare the suitability of everyday materials for particular uses. Find out how the shapes of solid objects can be changed by squashing, bending, twisting and stretching.	Plants. Observe and describe how seeds and bulbs grow into mature plants. Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.	Living things and their habitats. Explore and compare the differences between things that are living, dead and things that have never been alive. Identify that most things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they

					depend on each other. Identify and name a variety of plants and animals in their habitats, including micro-habitats. 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.
Year 3 Science:	Animals including	Rocks	Forces and	Plants Tdontify and describe	Light
	Humans Identify that	Compare and group together different	magnets Compare how things	Identify and describe the functions of	Recognise that they need light in
	animals, including	kinds of rocks	move on different	different parts of a	order to see things
	humans, need the	based on their	surfaces.	flowering plant.	and that dark is
	right types and	appearance and		31	the absence of
	amounts of	simple physical	Notice that some	Explore the	light.
	nutrition, and they	properties.	forces need	requirements of	
	cannot make their		contact, but	plants for life and	Notice that light is
	own food; they get	Describe in simple	magnetic forces can	growth (air, light,	reflected from
	nutrition from what	terms how fossils	act at a distance.	water, nutrients from	surfaces.
	they eat.	are formed when		soil, and room to	
		living things that		grow) and how they	

	Identify that humans and some animals have skeletons and muscles for support, movement and protection.	have lived are trapped within rock. Recognise that soils are made rocks and organic matter.	Observe how magnets attract and repel some materials and not others. Compare and group together a variety of everyday materials on the 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.		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 flowering plants, including pollination, seed formation and seed dispersal.	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 light from a light source is blocked. Find patterns in the way that the size of shadows can change.
Year 4 Science:	Sound Identify how sounds are made, associating some of them with something vibrating.	Electricity Identify common appliances that run on electricity. Construct a simple series electrical	States of matter Compare and group materials together whether they are solids, liquids or gases.	Living things and their habitat Recognise that living things can be grouped in a variety of ways.	Animals including humans Describe the parts and functions of the digestive system in humans.	

	circuit, identifying	Observe that some	Explore and use	Identify the	
Recognise that	and naming its basic	materials change	classification keys	different types of	
vibrations from	parts, including	state when they are	to help group,	teeth in humans and	
sounds travel	cells, wires, bulbs,	heated or cooled,	identify and name	their functions.	
through a medium	switches and	and measure or	a variety of living		
to the ear.	buzzers.	research the	things in their local	Construct and	
		temperature at	and wider	interpret a variety of	
Find patterns	Identify whether	which this happens	environment.	food chains,	
between the pitch	or not a lamp will	in degrees Celsius.		identifying producers,	
of a sound and	light in a simple		Recognise that	predators and prey.	
features of the	series circuit,	Identify the part	environments can		
object that	based on whether	played by	change and that		
produced it.	or not the lamp is	evaporation and	this can sometimes		
	part of a complete	condensation in the	pose dangers to		
Find patterns	loop with a battery.	water cycle and	living things.		
between the volume		associate the rate			
of a sound and the	Recognise that a	of evaporation with			
strength of the	switch opens and	temperature.			
vibrations that	closes a circuit and				
produced it.	associate this with				
	whether or not a				
Recognise that	lamp lights in a				
sounds get fainter	simple series				
as the distance	circuit.				
from the sound					
source increases.	Recognise some				
	common conductors				
	and insulators, and				
	associate metals				
	with being good				
	conductors.				

Year 5 Science:	Forces	Earth and Space	Properties and	Living things and	Animals including
	Explain that	Describe the	changes of	their habitats	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	
		Moon relative to	transparency,	process of	
	Identify the	the Earth.	conductivity	reproduction in some	
	effects of air		(electrical and	plants and animals.	
	resistance, water	Describe the Sun,	thermal), and		
	resistance and	Earth and Moon as	response to		
	friction, that act	approximately	magnets.		
	between moving	spherical bodies.			
	surfaces.		Know that some		
		Use the idea of the	materials will		
	Recognise that	Earth's rotation to	dissolve in liquid to		
	some mechanisms,	explain day and	form a solution, and		
	including levers,	night and the	describe how to		
	pulleys and gears,	apparent movement	recover a substance		
	allow a smaller	of the sun across	from a solution.		
	force to have a	the sky.			
	greater effect.		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	Animals including	Electricity	Evolution and	 Living things and
	Recognise that	humans: circulation	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	within animals,	Use recognised	their parents.	characteristics.
	and then to our	including humans.	symbols when		
	eyes.		representing a	Identify how	
			simple circuit in a	animals and plants	
	Use the idea that		diagram.	are adapted to suit	
	light travels in			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.				