

Topics

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Devas		Bannerman			Porteous			Borton	
Fantastic Me!		Cycle A		Cycle A			Cycle A		
 I can name the main parts of my body! 	Autumn	Spring	Summer	Autumn	Spring	Summer	Autumn	Spring	Summer
What are our 5 senses?What part of our body do we use for each sense?	The human body	Planting A	Plants	Skeletons	Fossils	Plants A	Forces	Properties of materials	Reproduction A
 Why is dental hygiene important? Seasons- Autumn 	Seasonal	Animals	Planting C	Movement	Soils	Forces	Space	Animals	Reversible and
Let's celebrate!	changes	Caring for the planet	Growing and cooking	Nutrition and diet	Light	Magnets	Global warming	including humans	irreversible changes
Let s celebrate!	Materials	Seasonal	Seasonal	Food waste		Plants B		Life cycles	Plastic
Polar Regions - Changing states- freezing and melting	Seasonal changes	changes	changes	Rocks		Biodiversity			pollution
 Changing states- freezing and melting Life cycle of a penguin Seasons- winter 		Planting B							Reproduction B
- Seasons- winter		Cycle B	•		Cycle B			Cycle B	
Growing - Investigate different mini-beasts - Life cycle of a butterfly - Where do mini-beasts live? (Make a wormery) - Parts of a plant - What do plants need to grow? - Look at different seeds and grow different plants - Why do we need to have a healthy diet? London	Autumn Animals needs for survival Humans Materials Plastic	Spring Plants (light and dark) Living things and their habitats Light and dark	Summer Plants (bulbs and seeds) Growing up Bulbs and seeds Growing up Wildlife	AutumnGroup and classify living thingsData collection AStates of matter	Sound Data collection B Electricity Energy	Summer Data collection C Habitats Deforestation The digestive system Food chains	Autumn Living things and their habitats Electricity Renewable energy	Spring Light Light pollution The circulatory system Diet, drugs and lifestyle	Summer Variation Adaptations Fossils
 Beside the seaside How can we protect sea creatures? (single use plastic) What is a circuit? How can I make a lightbulb work? Seasons- Summer 			whane						



Animals including humans



Living things and their habitats

Devas	Banne	erman	Port	eous	Во	rton
40-60+ months	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
I know about similarities and differences in relation		I know how to explore		I know how to recognise	I know how to describe	I know how to describe
to living things and their habitats.		and compare the		that living things can be	the differences in the	how living things are
		differences between		grouped in a variety of	life cycles of a	classified into broad
I know how to talk about the features of my own		things that are living,		ways.	mammal, an	groups according to
immediate environment and how environments		dead, and things that			amphibian, an insect	common observable
might vary from one another.		have never been alive.		I know how to explore	and a bird.	characteristics and based
				and use classification		on similarities and
I know how to make observations of animals and		I know how to identify		keys to help group,	I know how to describe	differences, including
plants and explain why some things occur, and talk		that most living things		identify and name a	the life process of	micro-organisms, plants
about changes.		live in habitats to which		variety of living things in	reproduction in some	and animals.
		they are suited and		their local and wider	plants and animals.	
ELG		describe how different		environment.		I know how to give
Understanding the World; Past and Present:		habitats provide for the				reasons for classifying
- Talk about the lives of the people around them		basic needs of different		I know how to recognise		plants and animals based
and their roles in society.		kinds of animals and		that environments can		on specific
		plants, and how they		change and that this can		characteristics.
Understanding the World; People, Culture and		depend on each other		sometimes pose		
Communities:				dangers and have an		
 Describe their immediate environment using 		I know how to identify		impact on living things		
knowledge from observation, discussion, stories,		and name a variety of				
non-fiction texts and maps.		plants and animals in				
		their habitats, including				
Understanding the World; The Natural World:		micro-habitats.				
 Explore the natural world around them, making 						
observations and drawing pictures of animals and		I know how to describe				
plants.		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.				
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Plants

Devas	Banne	Bannerman		eous	Во	Borton	
Devas + months v that plants need sun to grow. v that plants need water to grow. v that most plants need soil and nutrients to v some plants grow from seeds. rstanding the World; The Natural World: lore the natural world around them, making ervations and drawing pictures of animals an its.	Year 1 I know how to identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. I know how to identify and describe the basic structure of a variety of common flowering plants, including trees.	Perman Year 2 I know how to observe and describe how seeds and bulbs grow into mature plants. I know how to find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.	Port Year 3 I know how to identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers. I know how to 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. I know how to investigate the way in which water is transported within plants. I know how to explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	eous Year 4	Bo Year 5	Year 6	



Materials

Devas	Banne	erman	Po	orteous	Bo	rton
30-50 months	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
can name some different materials.	I know how to	I know how to identify			I know how to compare	
	distinguish between an	and compare the			and group everyday	
can sort some objects into different materials.	object and the material	suitability of a variety of			materials based on their	
	from which it is made.	everyday materials,			properties.	
40-60+ months		including wood, metal,				
know objects are made from different materials.	I know how to identify	plastic, glass, brick, rock,			I know some materials	
	and name a variety of	paper and cardboard for			will dissolve in liquid to	
know some similarities and differences in relation	everyday materials,	particular uses.			form a solution, and can	
to places, objects, materials and living things.	including wood, plastic,				describe how to recover	
	glass, metal, water, and	I know how to describe			a substance from a	
know the features of my immediate environment	rock.	how the shapes of solid			solution.	
and how environments might vary from one		objects made from some				
another.	I know how to describe	materials can be			I know how mixtures	
	the simple physical	changed by squashing,			might be separated,	
ELG	properties of a variety of	bending, twisting and			including through	
Understanding the World; People, Culture and	everyday materials.	stretching.			filtering, sieving and	
Communities:					evaporating.	
 Describe their immediate environment using 	I know how to compare					
knowledge from observation, discussion, stories,	and group together a				I know reasons for the	
non-fiction texts and maps.	variety of everyday				particular uses of	
	materials on the basis of				everyday materials,	
Understanding the World; The Natural World:	their simple physical				including metals, wood	
 Understand some important processes and 	properties.				and plastic.	
changes in the natural world around them,						
including the seasons and changing states of					I know how to	
matter.					demonstrate that	
					dissolving, mixing and	
					changes of state are	
					reversible changes.	
					I know 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.	



Forces and Magnets

Devas	Porteous	Borton
40-60+ months	Year 3	Year 5
I know that magnets are 'sticky' without being sticky.	I know how to compare how things move on different surfaces	I know how to explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling
I know magnets stick to certain materials (metals).	I know how to notice that some forces need contact between two objects, but magnetic forces can act at a distance	object
I know how to find an object which a magnet will stick to.		I know how to identify the effects of air resistance, water resistance
	I know how to compare and group together a variety of everyday	and friction, that act between moving surfaces
ELG	materials on the basis of whether they are attracted to a magnet, and	
Communication and Language; Speaking:	identify some magnetic materials	I know how to recognise that some mechanisms, including levers,
- Offer explanations for why things might happen, making use of		pulleys and gears, allow a smaller force to have a greater effect
recently introduced vocabulary from stories, non-fiction, rhymes and poems when appropriate.	I know how to describe magnets as having two poles	
	I know how to predict whether two magnets will attract or repel each	
Understanding the World; The Natural World:	other, depending on which poles are facing	
 Explore the natural world around them, making 		
observations and drawing pictures of animals and plants		

Seasonal changes

Devas	Bannerman
40-60+ months I know there are four seasons.	Year 1
T know there are rour seasons.	I know how to observe and describe changes across the four seasons
I know how to identify each season using the environment around me.	I know how to observe and describe weather associated with the seasons and how day length varies
I know how to identify seasonal colours.	
I know that lots of new life begins in the Spring time.	
I know how to choose appropriate clothing for the seasons	
ELG	
Understanding the World; People, Culture and Communities:	
 Describe their immediate environment using knowledge from observation, discussion, stories, non-fiction texts and maps. 	
Understanding the World; The Natural World:	
 Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. 	
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Light

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Borton
Year 6 I know light appears to travel in straight lines.
I know how to use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye. I know how to explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.
I know how to use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them
tricity
Borton
 Year 6 I know how to associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit I know how to compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches I know how to use recognised symbols when representing a simple circuit in a diagram
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Porteous

I know how to identify how sounds are made, associating some of them with something vibrating.

I know how to recognise that vibrations from sounds travel through a medium to the ear.

Year 4

I know how to find patterns between the pitch of a sound and features of the object that produced it.

I know how to find patterns between the volume of a sound and the strength of the vibrations that produced it.

I know how to recognise that sounds get fainter as the distance from the sound source increases.
States of matter
Porteous
Year 4 I know how to compare and group materials together, according to whether they are solids, liquids or gases.
I know how to 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).
I know how to identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.
Earth and space
Borton
Year 5 I know how to describe the movement of the Earth, and other planets, relative to the Sun in the solar system.
I know how to describe the movement of the Moon relative to the Earth
I know how to describe the Sun, Earth and Moon as approximately spherical bodies.
I know how to use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.
I know that the Sun is a star at the centre of our solar system and that it has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune (Pluto was reclassified as a 'dwarf planet' in 2006).
I know that a moon is a celestial body that orbits a planet (Earth has one moon; Jupiter has four large moons and numerous smaller ones).



Evolution and inheritance

Borton

Year 6

I know how to recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago

I know how to recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents

I know how to identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution