		Jupiter Cycle A	
	Term 1 & 2	Term 3 & 4	Term 5 & 6
Topic Title	Battles, Blackouts, Blitz	Endangered!	Storms and Shipwrecks
Key Concept	Power & Legitimacy	Energy & Sustainability	Movement & People
Sub Concept	Change & Continuity	Ecology & Evolution	Cause & Effect
Topic coverage	 a local history study a depth study linked to one of the British areas of study a study over time tracing how several aspects of national history are reflected in the locality (this can go beyond 1066) a study of an aspect of history or a site dating from a period beyond 1066 that is significant in the locality. a study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066 a significant turning point in British history, for example, the first railways or the Battle of Britain name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time 	 identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night) describe and understand key aspects of: physical geography, including: climate zones, biomes and vegetation belts, human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world 	 a study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066 changes in an aspect of social history. human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied

Science Topic	Properties and changes of	Light (Yr6)	Animals including humans (Yr5)	Living Things and Their Habitats	Forces (Yr5)	
	material		numans (113)	(Yr5)		
Science coverage	 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 dissolve in liquid to form a solution, and describe how to recover a substance from a solution 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, including metals, 	recognise that light appears to travel in straight lines 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 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 use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.	describe the changes as humans develop to old age.	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.	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 recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.	

wo	ood and plastic		
• de	emonstrate that		
dis	ssolving, mixing		
an	nd changes of		
sta	ate are reversible		
ch	anges		
• ex	plain that some		
	anges result in		
	e formation of		
ne	ew materials, and		
	at this kind of		
ch	ange is not		
	ually reversible,		
	cluding changes		
	sociated with		
	ırning and the		
	tion of acid on		
	carbonate of		
	da.		

		Jupiter Cycle B	
Topic Title	Magnificent Maya	Extreme Earth	Scavengers and Settlers
Key Concept	Cause & Effect	Ecology & Evolution	Change & Continuity
Sub Concept	Movement & People	Energy & Sustainability	Power & Legitimacy
Topic coverage	 a non-European society that provides contrasts with British history – Mayan civilization c. AD 900. understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European country, and a region within North or South America use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied 	 describe and understand key aspects of: physical geography, including: volcanoes and earthquakes use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied 	 changes in Britain from the Stone Age to the Iron Age late Neolithic hunter-gatherers and early farmers, for example, Skara Brae Bronze Age religion, technology and travel, for example, Stonehenge Iron Age hill forts: tribal kingdoms, farming, art and culture
Science Topic	Living Things and Their Electricity (Yr6) Habitats (Yr6)	Earth and Space (Yr5)	Evolution and Animals including inheritance (Yr6) humans (Yr6)
Science coverage	 describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals give reasons for classifying plants and animals based on specific characteristics. associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit 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 use recognised symbols when representing a simple circuit in a diagram. 	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 use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.	 recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function describe the ways in which nutrients and water are transported within animals, including humans. identify and name the main parts of the human circulatory system, and describe the heart, blood vessels and blood recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function describe the ways in which nutrients and water are transported within animals, including humans.

		lead to evolution.	

			Neptune Cycle A		
Key Concept	Power & L	egitimacy	Energy & Su	ustainability	Movement & People
Sub Concept	Change & (Continuity	Ecology &	Evolution	Cause & Effect
Topic Title	Ruthless Romans		Our Environment (Local Study)		Traders and Raiders
Topic coverage	 the Roman Empire and its impact on Britain Julius Caesar's attempted invasion in 55-54 BC the Roman Empire by AD 42 and the power of its army successful invasion by Claudius and conquest, including Hadrian's Wall British resistance, for example, Boudica 'Romanisation' of Britain: sites such as Caerwent and the impact of technology, culture and beliefs, including early Christianity 		locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities		 Britain's settlement by Anglo-Saxons and Scots Roman withdrawal from Britain in c. AD 410 and the fall of the western Roman Empire Scots invasions from Ireland to north Britain (now Scotland) Anglo-Saxon invasions, settlements and kingdoms: place names and village life Anglo-Saxon art and culture Christian conversion – Canterbury, Iona and Lindisfarne the Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor Viking raids and invasion resistance by Alfred the Great and Athelstan, first king of England further Viking invasions and Danegeld Anglo-Saxon laws and justice Edward the Confessor and his death in 1066
Science Topic	Sound	Light	Habitats	Electricity	Plants, seeds, roots and shoots
Science coverage	 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 	 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 their eyes recognise that 	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	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	 identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers 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 in which water is transported within plants explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

	1		
object that	shadows are	this can sometimes	series circuit,
produced it	formed when the	pose dangers to	based on whether
 find patterns 	light from a light	living things.	or not the lamp is
between the	source is blocked		part of a complete
volume of a sound	by an opaque		loop with a battery
and the strength of	object		recognise that a
the vibrations that	 find patterns in the 		switch opens and
produced it	way that the size		closes a circuit and
 recognise that 	of shadows		associate this with
sounds get fainter	change.		whether or not a
as the distance			lamp lights in a
from the sound			simple series
source increases.			circuit
			recognise some
			common
			conductors and
			insulators, and
			associate metals
			with being good
			conductors.

		Neptune Cycle B		
Topic Title	Hard Times	Mountains & Rivers	Gods and Mortals	
Key Concept	Cause & Effect	Ecology & Evolution	Change & Continuity	
Sub Concept	Movement & People	Energy & Sustainability	Power & Legitimacy	
Topic coverage	 a study of an aspect or theme in British histor that extends pupils' chronological knowledge beyond 1066 the changing power of monarchs using case studies such as Victoria changes in an aspect of social history, such as crime and punishment a significant turning point in British history, fo example, the first railways 	 mapping to locate countries and describe features studied describe and understand key aspects of: physical geography, including: rivers, mountains and the water cycle 	 the achievements of the earliest civilizations – an overview of where and when the first civilizations appeared and a depth study of Ancient Egypt; Ancient Greece – a study of Greek life and achievements and their influence on the western world 	
Science Topic	Forces and Magnets	Rocks and solids States of matter	Animals inc humans and skeletons (Yr3) Animals inc humans and skeletons (Yr4)	
Science coverage	compare how things move on different surfaces notice that some forces need contabetween two objects, but magnetic forces can act at a distance observe how magnets attract orepel each other and attract some materials and not others compare and grout together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials	simple physical properties describe in simple terms how fossils are formed when things that have lived are trapped within rock recognise that soils are made from rocks and organic matter. matter. 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 associate the rate of evaporation with	 identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat identify that humans and some other animals have skeletons and muscles for support, protection and movement. describe the simple functions of the digestive system in humans identify the different types of teeth in humans and their simple functions construct and interpret a variety of food chains, identifying producers, predators and prey. 	

 describe ma 			
as having tw	o poles		
 predict whe 			
two magnet			
attract or re	pel		
each other,			
depending o			
which poles	are		
facing.			

		Mars Cycle A	
Topic Title	Kings and Queens	What a Wonderful World	Explorers
Key Concept	Power & Legitimacy	Energy & Sustainability	Movement & People
Sub Concept	Change & Continuity	Ecology & Evolution	Cause & Effect
Topic coverage	 the lives of significant individuals in the past who have contributed to national and international achievements. Some should be used to compare aspects of life in different periods - Elizabeth I and Queen Victoria name, locate and identify characteristics of the four countries and capital cities of the United Kingdom and its surrounding seas use world maps, atlases and globes to identify the United Kingdom and its countries. use simple compass directions (North, South, East and West) and locational and directional language [for example, near and far; left and right], to describe the location of features and routes on a map 	the lives of significant individuals in the past who have contributed to national and international achievements. Some should be used to compare aspects of life in different periods - Christopher Columbus and Neil Armstrong and Tim Peake	 significant historical events, people and places in their own locality. name and locate the world's seven continents and five oceans identify seasonal and daily weather patterns in the United Kingdom and the location of hot and cold areas of the world in relation to the Equator and the North and South Poles use basic geographical vocabulary to refer to: key human features, including: city, town, village, factory, farm, house, office and shop use world maps, atlases and globes to identify the countries, continents and oceans studied at this key stage use aerial photographs and plan perspectives to recognise landmarks and basic human and physical features; devise a simple map; and use and construct basic symbols in a key use simple fieldwork and observational skills to study the geography of their school and its grounds and the key human and physical features of its surrounding environment.
Science Topic	Seasonal Changes	Seasonal Changes	Animals including humans (Y1)
	Autumn and Winter	Spring and Summer	Animals, living things & habitats
Science coverage	 observe changes across the four seasons observe and describe weather associated with the seasons and how day length varies. 	observe changes across the four seasons observe and describe weather associated with the seasons and how day length varies.	 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 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.

	explore and compare the differences between things that are living, dead, and things that
	have never been alive
	identify that most living 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.

Topic Title	London's Burning	Mars Cycle B The Seaside	Into the Woods		
Key Concept	Cause & Effect	Ecology & Evolution	Change & Continuity		
Sub Concept	Movement & People	Energy & Sustainability	Power & Legitimacy		
Topic coverage	events beyond living memory that are significant nationally or globally - the Great Fire of London	 changes within living memory. Where appropriate, these should be used to reveal aspects of change in national life use basic geographical vocabulary to refer to: key physical features, including: beach, cliff, coast, sea, ocean, river key human features, including: city, town, village, port and harbour. 	 local history study understand geographical similarities and differences through studying the human and physical geography of a small area of the United Kingdom, and of a small area in a contrasting non-European country use basic geographical vocabulary to refer to: key physical features, including: forest, hill, mountain, soil, valley, vegetation, season and weather 		
Science Topic	Materials and their properties	Animals including humans (Y2)	Plants		
Science coverage	 Materials & their everyday use (Y1 & Y2) identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. 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 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. 	 notice that animals, including humans, have offspring which grow into adults find out about and describe the basic needs of animals, including humans, for survival (water, food and air) describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene 	 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. 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. 		

Venus									
Topic Title	This is me!	Terrific Tales	Ticket to Ride	Mini or Mighty	Wonderful World	Helpful Heroes			
(Whilst every endeavour will	Children will be getting to know	Children will look at different	Children will learn about	Children will learn about some	Following on from our previous	Children will begin by sharin			
e made to follow these plans,	their new school, classroom,	versions of some traditional	different types of transport.	of tiniest creatures on our	topic we will look at the wider	their favourite heroes and			
the interests of the children	each other and teachers. They	tales. They will learn about the	They will look at a variety of	planet and some of the largest.	world this term and children	superpowers. They will tur			
will be followed too and thus	will share their likes and	pattern of these stories and be	vehicles that have wheels, can	We will look for bugs and	will learn what they can do to	themselves into superheroe			
our learning may take a	dislikes and their favourite	able to tell them in their own	fly or float etc. They will look at	minibeasts and learn what an	help. They will learn about the	and decide the qualities the			
different path as is the nature	interests.	words. Children will create	and compare our transport of	insect is. The children will go on	life cycle of sunflowers and	wish to have. They will refle			
of Early Years learning)	They will learn how they are	their own story maps and will	today to that of some in the	bug hunts and learn about	learn how to take care of them.	on all the super things the			
,	each unique and each very	change elements of the story	past and some from around the	different mini-beasts' habitats.	They will also learn about other	have done over the year ar			
	special. Children will begin to	to create their own version.	world. They will learn about	They will then make their own	varieties of plants and how	define what makes them sup			
	learn about how to show	This term children will also look	Amelia Earhart, the Wright	bug hotels using natural	different parts of some plants	They will then look at the liv			
	respect towards others and	at the importance of lights and	Brother's and planes and	materials. They will also visit	can be used as food such as the	of everyday heroes such a			
	how the world we live in is very	candles in celebrations. They	Stevenson's engine.	the local pond for pond dipping	carrots and tomatoes. Children	those in their own families			
	diverse	will learn about the celebration	Children will look at the	activities and see what lives	will learn about different types	After this they will explore t			
	They will talk about their	of Diwali and learn about the	features of different transport	there. The children will learn	of fruits and vegetables and	different real life superhero			
	families and the people that	story of Rama and Sita and how	and will explore how they	what is meant by a lifecycle	how they get to be in the fruit	in their community such as			
	are important in their lives and	this is celebrated in the Hindu	work. They will use the	and learn about the lifecycles	bowl in our kitchens. They will	nurses and doctors that he			
	special to them.	culture. They will make their	construction materials and	of butterflies and frogs.	design their own healthy	them when they are sick, the			
	They will explore their	own Diva lamps and Rangoli	have opportunities to build	Children will learn about other	smoothies and fruit kebabs for	police who support them i			
	emotions and learn about their	patterns and have their own	their own vehicles. They will	animals of their interest too.	tasting.	times of trouble and the			
	body and some ways they can	Diwali festival.	learn how to join and fix	They will explore the habitats	The children will learn about	firefighters who lead people			
	help it such as strategies to use	The children will also learn	materials to create moving	of some of these animals and	the impact that damaging the	safety in times of danger			
	when they get angry or what to	about Bonfire night, why this is	parts such as wheels and doors	why and how they can live	environment can have. For	The children will learn abo			
	do if they are worried.	remembered in history and	with the craft materials to add	there. They will watch some of	example for bees by cutting	some real life superheroe			
	They will share photos of when	about Guy Fawkes. They will	to their models.	the video clips from David	down flower, or by dropping	from the past such as Willia			
	they were a baby and compare	locate London on a map and	Children will look at maps and	Attenborough to learn about	litter on wildlife. They will learn	Harvey and how his work			
	and talk about how they have	find Big Ben and the houses of	some of their features. They	some of fascinating animals on	about the inspirational work of	helped the nurses and doct			
	changed over time.	parliament. They will have the	will create their own around	our planet.	Jadav Payeng and his mission	today. They will also learn			
	They will begin to learn about	chance to recreate this story	the school ground and local	The children will also find out	to plant a tree a day in India	about the work and bravery			
	ways they can keep fit and	and important historical event	environment and add some of	about endangered animals and	which he has been doing since	Florence Nightingale and ho			
	healthy such as exercising and	within their construction and	their own features.	some of those which have	1979.	hospitals have changed tod			
	brushing their teeth.	small world play. They will	Children will create journeys	become extinct – such as the	The children will read the story	The children will also look			
	They will learn about their	also learn about how to keep	for their vehicles and describe	woolly mammoth and the	Someone Swallowed Stanley	any other people they deem			
	senses and explore the world	safe around fires.	the routes they take using	dodo. Children will learn about	and will explore the impact of	be heroes; such as deliver			
	around them and the seasonal	Children will learn about the	positional and directional	what they can do to help the	plastic pollution on the sea.	drivers, dentists, vets, sho			
	changes that Autumn brings	significance of poppies and will		animals and design their own	They will collect their own	assistants and refuse collect			
	using their senses. They will	celebrate remembrance day.	language. Children will learn about road	posters to raise awareness.	plastic and put it to good use	and understand that all o			
	create Autumn pictures and go	Children will talk about and	safety and how to keep safe	Children will learn about	making some collaborative art	these people are ordinary			
	on a leaf hunt. They will	share events from their own	when they are out and about.	animals that roamed out planet	work. The children will also	people just like they will gro			
	understand that some trees	history such as a birthday. They	Children will investigate	in the past i.e. Dinosaurs. They	make their own re-useable	be. We will have some visite			
	(deciduous) lose their leaves	will celebrate a birthday and	floating and sinking and make	will learn about Mary Anning	food wraps from materials and	from some of these professi			
	and others keep theirs	understand why Christians	their own boats thinking about	and how and why she became	beeswax to replace the need	in the wider community cor			
	(evergreen)	celebrate Christmas and what	suitable materials to use.	famous. Children will become	for cling film or foil.	,			
	They will use pumpkins to	the very first Christmas was	Children will investigate ramps	palaeontologists and make	Children will learn about the	in and speak to the childre and answer their question			
	make pumpkin soup and collect	like. Children will compare this	and how toy cars travel down	their own fossils and classify	sculptor and artist Andy	about their roles. The child			
	make pumpkin soup and collect materials to create a fire in	to how they celebrate	· · · · · · · · · · · · · · · · · · ·	herbivores, carnivores and	Goldsworthy. They will use his	will talk about their ambition			
	their outdoor learning. They	Christmas and will make some	it. They will explore what happens when they change the	omnivores, carnivores and	work to inspire their own using	for the future and what the			
	will use this fire to heat water	Christmas and will make some Christmas crafts and cards.	surface of the ram for different	about the colossal scale of the	natural materials outside.	hope to achieve. The childr			
			textures.			'			
	to make a hot chocolate and toast marshmallows.	The children will also take part	Children will have	dinosaurs as they measure some of them out on the	Our eggs that we put into the incubator last term will hatch.	will understand that their			
		and perform in their Nativity				actions can help others and			
	They will celebrate Harvest	show.	opportunities to bring their	playground.	The children will observe this	look at the work of Sir Capt			
	along with the rest of the	The children will again observe	own bikes and scooters in to	Children will also learn about	amazing process and watch	Tom Moore and decide if h			

school and give a short Harvest singing performance. They will understand that others are not as fortunate as them and will participate in sharing their Harvest festival donations with the wider community.	seasonal change as Autumn changes to Winter and explore what happens to the temperature. They will explore the changes of water into ice and make their own ice pictures.	use. There may also be the opportunity to ask people from the local community and parents to visit with any interesting vehicles they own. Children will also celebrate Chinese New Year and learn about some of the traditions and festivities that happen at this time. They will have their own Chinese New Year celebration and find out which animal they were born in the year of and why the years are named after animals.	the Christian celebration of Easter and compare this to how they celebrate. They will learn about the meaning of new life and will put their own eggs into an incubator to hatch. They will create their own Easter crafts and explore the changes that spring brings to their local environment.	how they change and grow over a few weeks before they grow too big for our classroom.	was a superhero. The children will also explore how Spring has changed to summer and investigate their local environment again. They will learn about how to keep safe in the sun.
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