

Britannia Bridge Year 5 Long Term Plan

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Science	<p>Properties and changes of material</p> <p>Properties of solids, liquids and gases, learn to describe the properties of materials using scientific language, investigate which materials make the best thermal insulators, and which materials are magnetic. Investigate how to separate materials. Name separation methods (filtering, sieving, evaporation, magnets) and decide on the most efficient method for separating a mixture of materials</p>	<p>Living things and their habitats</p> <p>Compare and describe differences in the life cycles of mammals, amphibians, reptiles, birds and insects. Learn how animals reproduce, comparing differences and similarities between different animal groups. Look at the life cycles of plants and learn how plants reproduce.</p>	<p>Forces</p> <p>Name individual Forces (e.g. gravity, friction, up thrust). Look at frictional forces (air resistance and water resistance) Learn what a mechanism is and how pulleys, levers and gears are used to allow a smaller force to have a greater effect.</p>	<p>Earth and Space</p> <p>Learn that Earth is part of the Solar system and that the Sun is at the centre of that system. Learn the names of the other planets (based on their distance from the Sun) and be able to describe the movement of Earth (and other planets) in relation to the Sun. Discover why there is day and night on Earth and relate this to time. Gain an understanding of the phases of the Moon and be able to describe the Moon's movement in relation to the Earth.</p>	<p>Animals inc humans</p> <p>Learn about the different stages of the human life cycle. What happens in the womb, during puberty and when you are older.</p>	<p>Catch up/enrichment</p>
History		<p>Anglo-Saxons and the Scots (Britain's settlement by Anglo-Saxons and Scots) How did Britain change during the settlement of the Anglo-Saxons and the Scots? Exploration and Invasion Migration, trade, monarchy, settlement, rebellion</p>		<p>The Vikings (The Viking and Anglo-Saxon struggle for the Kingdom of England) How did England change during the invasion and settlement of the Vikings? Exploration and Invasion Migration, trade, monarchy, settlement, rebellion</p>		<p>Maya Civilization (A non-European study that provides contrast with British history) What similarities and differences are there between the Maya civilization and England from the 8th-10th century? Power Civilization, trade, settlement, empire, monarchy</p>
Geography	<p>The United Kingdom Concepts: Place, Space, Scale, Human processes, Physical processes, Look at the key geographical features of the UK, how UK is</p>		<p>Marvellous maps Concepts: Place, Space, Scale, Human processes, Physical processes, Environmental impact, Sustainable development</p>		<p>North America Concepts: Place, Space, Scale, Human processes, Physical process, Cultural awareness, Cultural diversity</p>	

	<p>divided by counties, regions. Locate major cities of the UK. Case study- Wigan. Look at major hills, mountains, rivers and coasts of the UK,</p>		<p>Atlas skills -locate a place using index. Look at Ordnance survey map symbols on a map of local area- Ince. Use 8 points of a compass and 4 and 6 fig grid references to locate places on a map. Fieldwork-Plan a route using 8 points of compass, 4 and 6 fig grid references around the local area. Look at how land use has changed around the local area-Ince compare 1890's map with 1950's map and map of today.</p>		<p>Look at the North American continent. USA- regions and states. look at the western USA region- main economic activities, biomes and climate zones. Compare key settlements to NW region of England.</p>	
DT	<p>Bridges Structures The children will construct and explore the different types of bridges and what makes them strong. They will then design, make and evaluate their own bridge and test its strength</p>		<p>Moving Toys Mechanisms The children will use cam mechanisms to design, make and evaluate a variety of stable moving toys</p>		<p>Fashion and textiles Textiles The children will explore how textiles are used in the fashion industry and practise sewing a basting stitch, whip stitch, back stitch. They will sew a hem and design, make and evaluate their own drawstring bags..</p>	
Art		<p>Typography and maps Drawing & Sketchbooks Exploring how we can create typography through drawing and design, and use our skills to create personal and highly visual maps.</p>		<p>Making Monotypes Surface and colour Combine the monotype process with painting and collage to make visual poetry zines.</p>		<p>Architecture: Dream Big or Small? Working in Three Dimensions Explore the responsibilities architects have to design us a better world. Make your own architectural model.</p>
Computing	<p>Computing systems and networks Systems and searching</p>	<p>Creating media Video production</p>	<p>Programming A Selection in physical computing</p>	<p>Data and information Flat-file databases</p>	<p>Creating media Introduction to vector graphics</p>	<p>Programming B Selection in quizzes</p>
Music	<p>Egyptians (Composing notation) Based on the theme of Ancient Egypt, learn to identify the pitch and rhythm of written notes and experiment with their composition.</p>		<p>South and West Africa Learn 'Shosholoza', a traditional South African song, play the accompanying chords using tuned percussion and learn to play the djembe.</p>		<p>Blues Look at the famous genre of music and its history, and learn to identify the key features and mood of Blues music and its importance and purpose.</p>	

PE	Swimming Swimming	Swimming Swimming	Swimming Swimming	Eco dance Dance	Handball Games	Athletics Athletics
	Outdoor and adventurous activities OAA	Movement Gymnastics	Circuit training Athletics			
PSHCE	Being me in my world Face new challenges positively and know how to set personal goals. The rights and responsibilities of being a citizen in their country and school. Rewards and consequences and making choices about their behaviour. How an individual's behaviour can affect a group. DeForestation and it's affect on animals and humans	Celebrating difference Cultural differences and conflict Racism Spreading rumours and name calling- bullying Direct and indirect bullying Compare their life with people in the developing world (value happiness over wealth). Understand a different culture from their own.	Living in the wider world Dreams and goals of young people in a culture different to their own The role that money plays in people's lives (type of house they have, products they buy, where they live). Different jobs people do and how different pay amounts . Credit and debit cards Debt - good money advice The skills required to be 'enterprising'. Enterprisers in the community/wider world.	Healthy me The health risks of smoking and how it affects the lungs, liver and heart. Habits- smoking/drinking and how to stop Risks of misusing alcohol - ASBO, health. Basic first aid How media, social media and celebrity culture promotes certain body types. Food- eating disorders Healthy lifestyles (including mental and emotional health) and the choices they need to be healthy and happy	Relationships Have an accurate picture of who they are as a person in terms of characteristics. Positive/negative consequences belonging to online communities The rights and responsibilities of belonging to online communities/social network/gaming online . Staying safe when using technology and amount of time on devices	Changing me Being aware of their own self - image and body image. How to look after themselves physically and emotionally. Describe how girl's and boy's bodies change during puberty. Identify what they look forward to when they become a teenager and know they have growing responsibilities (age of consent) Identify what they are looking forward to next year in year 6.
RE	Christianity (God) Why is it sometimes difficult to do the right thing? •Sin •Adam and Eve's disobedience, temptation and morality	Islam Why is the Qur'an so important to Muslims? •The Qur'an •The Night of Power	Hindu Dharma What might Hindus learn from stories about Krishna? •Krishna •Holi	Christianity (Jesus) What do we mean by a miracle? •Miracles of Jesus •Pilgrimage	Christianity (Church) How do people decide what to believe? •The Trinity •Use of symbols and metaphors •The Worldwide Church	Judaism Do people need laws to guide them? •The Torah •The synagogue
French		Monster pets Using monsters and body part vocabulary The children look at an authentic French text to identify key facts about an animal and characteristics of a factual text, and work towards writing		Shopping Shopping in French, money and prices, look at naming French Food at a fruit and veg market asking how much items are.		Meet the Family Look at family and relations vocabulary, the possessive adjective, my, and how to express likes and dislikes. Produce a piece of written work, in French, describing



paragraphs to describe their own monster creations.

members of a family, their looks, their ages, their birthdays and their likes and dislikes