

Britannia Bridge Year 6 Long Term Plan

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Science	<p>Living things and their habitats</p> <p>Classification of living things, including microorganisms. Learn the names and characteristics of the main groups used to classify animals, plants and microorganisms. Use a classification key and create their own key using yes/no questions. Conduct an experiment involving the respiration of yeast. Research who Carolus Linnaeus is and understand the importance of his standard classification system.</p>	<p>Electricity</p> <p>Construct simple series circuits and draw them using scientific symbols. Conduct investigations to determine how the voltage in a circuit affects the brightness of a bulb.</p>	<p>Animals inc humans</p> <p>Learn about the importance of the circulatory system and how it transports oxygen around our body. Learn about the heart and how it is an important muscle in our bodies and investigate how different activities can affect heart rate. Learn about being healthy and things they can do to lead a healthy lifestyle as well as learning about things that people do that can cause them to be unhealthy.</p>	<p>Evolution and inheritance</p> <p>Explore how animals and plants are adapted to the environment in which they live. Learn that adaptations occur over time and that may lead to a species evolving. Conduct an experiment on the best bird beak. They will consider how certain adaptations occur in response to environmental conditions. They will learn about natural selection and how this links to inheritance and how some characteristics are inherited from parents and some are not. Consolidate previous learning on fossilisation and understand how studying fossils has helped explain the theory of evolution.</p>	<p>Light</p> <p>Explore the way that light behaves, including light sources, reflection and shadows. Investigate the relationship between light sources, objects and shadows and understand how the eye works.</p>	<p>Catch up/ enrichment</p>
History	<p>Crime and Punishment (Beyond 1066 study)</p> <p>How has Crime and Punishment changed through time?</p> <p>Power, Conflict and Disaster</p> <p>Empire, monarchy, civilization, industry</p>		<p>The British Empire (Beyond 1066 study/local history)</p> <p>How has Britain made its mark on the world?</p> <p>Power, Exploration and Invasion</p> <p>Empire, monarchy, trade, industry, rebellion</p>		<p>World War II (Beyond 1066 study)</p> <p>Why was the Battle of Britain a significant turning point for the United Kingdom in World War Two?</p> <p>Power, Conflict and Disaster</p> <p>Empire, monarchy, civilization</p>	
Geography		<p>Natural resources and climate change</p> <p>Concepts: Place, Space, Scale, Human processes, Interdependence, Environmental impact, Sustainable development</p> <p>Look at settlements- what people need. Non renewable energy- power station locations in the UK. Renewable energy sources in the UK. Look at the what climate change, the causes, impact and action to reduce it.</p>		<p>Trade and economics</p> <p>Concepts: Place, Space, Scale, Human processes, Interdependence, Environmental impact, Sustainable development</p> <p>Look at the UK's main trade partners. Imports and exports. Case study- El Salvador what UK imports from here and the main issues for people living in El Salvador. What is Fair trade? Visit- local supermarket find Fair</p>		<p>Rivers</p> <p>Concepts: Place, Space, Scale, Human processes, Physical processes, Environmental impact, Sustainable development</p> <p>The water cycle, how rivers are formed- erosion and deposition. The journey of a river from source to mouth. Features of rivers- deltas, tributaries and meanders. Human use of rivers. River pollution. Case study- River Nile Field trip- River Douglas create sketch maps, label features and take photos of features.</p>

				trade items locate where imported from on map. .		
DT		<p>Burgers Food & Nutrition</p> <p>The children will independently and confidently use the cooking skills such as slicing, dicing, beating, whisking, folding, sieving, rolling and grating. They will look at nutrition labels and help make informed healthy food choices. They will explore adding seasoning/spices to bread dough and burgers to create new and interesting flavours. They will design, make and evaluate their own meat/meat free burger.</p>		<p>Programming Pioneers</p> <p>Programming and electrical /Inventions and achievements</p> <p>Children will focus on designing, developing, testing and prototyping computer-controlled electronic systems for rooms such as motion-sensor activated alarms, door buzzer entry systems and light sensors. They will also learn all about influential computer scientists through history who have shaped the world around us.</p>		<p>Bird Houses Structures</p> <p>Children will will research, design and make a bird box suitable for a specific bird. Using skills such as drawing 3-D diagrams and exploded diagrams, reading and measuring dimensions, planning and designing products to suit requirements, and using woodwork skills and tools.</p>
Art	<p>2D Drawing to 3D Making</p> <p>Drawing & Sketchbooks</p> <p>Explore how 2D drawings can be transformed to 3D objects. Work towards a sculptural outcome or a graphic design outcome.</p>		<p>Exploring Identity</p> <p>Surface and colour</p> <p>Discover how artists use layers and juxtaposition to create artwork which explores identity. Make your own layered portrait.</p>		<p>Take a Seat</p> <p>Working in Three Dimensions</p> <p>Explore how craftspeople and designers bring personality to their work.</p>	
Computing	<p>Computing systems and networks</p> <p>Communication and collaboration</p>	<p>Creating media</p> <p>Web page creation</p>	<p>Programming A</p> <p>Variables in games</p>	<p>Data and information</p> <p>Introduction to Spreadsheets</p>	<p>Creating media</p> <p>3D Modelling</p>	<p>Programming B</p> <p>Sensing movement</p>
						<p>Transition (Optional)</p> <p>Using the micro:bit for primary to secondary transition</p>
Music		<p>Fingal's Cave by Mendelssohn (Dynamics, pitch and texture: Coast)</p> <p>Appraising the work of Mendelssohn and further developing the skills of improvisation and composition.</p>		<p>Songs from WW2</p> <p>Developing greater accuracy in pitch and control; identifying pitches within an octave when singing and using knowledge of pitch to develop confidence when singing in parts.</p>		<p>Baroque</p> <p>Exploring the music and composers of the Baroque Period and investigating the structural and stylistic features of their work</p>
PE	<p>Movement</p> <p>Gymnastics</p>	<p>Electricity</p> <p>Dance</p>	<p>Dance through the decades</p> <p>Dance</p>	<p>Netball- invasion games</p> <p>Games</p>	<p>Striking and fielding games</p> <p>Games</p>	<p>Athletics</p> <p>Athletics</p>
	Swimming catch up lessons					

<p>PSHCE</p>	<p>Being me in my world Goals, fears and worries for the future. Universal rights for all children but for many these aren't met. How their actions affect others locally and globally (compare to different communities). Make choices about their own behaviour and understand how rewards and consequences feel. Environmental issues (climate change, lack of water, over fishing) and name some problems with these. Debate an environmental issue to understand it from both sides.</p>	<p>Celebrating difference Different perceptions about what normal means. How being different could affect someone's life. Ways in which one person or a group can have power over another (being excluded). Reasons why people bully. People with disability that lead amazing lives. How difference can be a source of conflict or celebration.</p>	<p>Living in the wider world <u>Raising Aspirations Programme</u> Write a CV explaining the skills, experience and knowledge they have Dream jobs and realistic jobs Job interview strategies Identify the skills and knowledge that they need to get their 'dream job' in the future.</p>	<p>Healthy me Take responsibility for their health and make choices that benefit this. Different types of drugs and the effects on the body (liver + heart). Exploitation - breaking the law Joining gangs and the risks People's attitudes the mental health- being emotionally well Stress and the triggers of this and how it can result in alcohol and drug misuse.</p>	<p>Relationships Take care of their mental health. The different stages of grief and different types of loss. Recognise when people are trying to gain power. Judge whether something online is safe and helpful. Use technology positively and safely to communicate with their friends and family.</p>	<p>Changing me Self image and body image Physical and emotional well being Changes in girls and boys bodies during puberty. Sexual intercourse- conception and babies IVF BoyFriends/girlFriends- physical attraction Marriage Planned/forced marriages- illegal Having positive self-esteem and what they can do to develop it. Identify what they are looking forward to and what worries them about high school. •Taught by HH Kids</p>
<p>RE</p>	<p>Christianity (God) How do Christians mark the 'turning points' on the journey of life? •Christian rites of passage •Denominational differences</p>	<p>Hindu Dharma Is there one journey or many? •Reincarnation •Karma •The 4 ashramas</p>	<p>Islam What is Hajj and why is it important to Muslims? •The Ummah •Hajj</p>	<p>Christianity (Jesus) Why do Christians believe Good Friday is 'good'? •Holy Week •The Eucharist •Denominational differences</p>	<p>Buddhism What do we mean by a 'good life'? •The Buddha •The Four Noble Truths •The EightFold path</p>	<p>Christianity (Church) If life is like a journey, what's the destination? •Salvation •Forgiveness</p>
<p>French</p>	<p>In my French house Describe a house, the different rooms and who lives there. Look at prepositions to explain where items are arranged in their bedrooms and consolidate the grammar and vocabulary they have learned by writing a letter to describe their family, home and bedroom.</p>		<p>Planning a holiday in France Learn to use a combination of present and near-future tenses, and become familiar with holiday-related vocabulary around packing a suitcase and planning a journey. They explore which countries they might visit and why and research and plan a holiday to France.</p>		<p>A visit to a town in France Learning directional, transport and town vocabulary together with prepositional phrases, describe their journey to school, plan a trip to France and become tourist guides, creating a tourist leaflet, in French, for their own local area.</p>	