

Britannia Bridge Science Long Term Plan 2023-24



Key Pre Unit Assessment End of Unit Assessment Locality plant study Seasonal change

	Autumn I	Autumn 2			Spring	Spring 2) -	Summer l		Summer 2				
N3 Caterpillars	All about me Name the parts of the face Autumn-squirrels, leaves, colours.	Celebrations Spiders- research				Down in the woodland walk Make porridge (chastate)	Heroes and villains Planting beans - wh they need to grow Signs of spring. Food healthy/unhealthy food (Supertato)	nat 1.	Amazing anima Caterpillar eggs- life cy of a butterfly Mini beasts Safari and zoo animals	cle U m W	Under the sea Uses senses to explore materials -shells, pebbles, sand Water - forces push, pull, float and sink.			
	Continuous o	overag	e throu	ghou	t the ye	ar of Science s	ikills t	through Underst	and	ling The World- th	e natu	ural world	d.	
Reception Butterflies	It's Good to be me Name the basic parts of the body Autumn-animals hibernation and leaves changing.	Celebrations Light and dark- torches/shadows, seasonal change , day and night, nocturnal animals				The world aro Changes in ice/wate melting. Floating an Arctic/Antarctica/ nforest animals ar	Frogspawn-life cy of a frog. Xeeping fit and	nd ants	Houses and Hom Look at different materials for houses-3 Little Pigs Animal houses and habitats.	S	Fantasy Summer- weather, keeping safe in the sun.			
	Continuous c	overag	e throug	ghout	t the ye	ar of Science s	kills tl	hrough Underst	andi	ing The World- the	e natu	ural world	l.	
Year I Bumblebees	Plants Look at different wild and common plants and label their basic features. Wild plant hunt in local area. Naming different features. Diets of animals Name and label be identifying body p					als animals and their es- what body part u	a f e	dentify and name a va and Distinguish between	i an ol Descri Mpar	of everyday materials bject and the material be simple properties of	change Name	Plants ant a seed look at how it grows an anges. Ime and label features of trees. Ciduous/evergreen		
	P 1 4 3 L S 1 3	9 E	P I :	2 3	4	L S 5 6	E P	2 3 L 3	S	4 S 5 6 E	3l S	S 5	6	7 E L
Year 2 Seahorses	Animals inc hun Learn about the basic needs that to survive and live. The importanc healthy diet and good hygiene as v healthy. Look at offspring of diff the changes that occur as they b	needs that all humans need importance of exercise, a hygiene as ways to keep us oring of different animals and				of everyday aterials erent materials their properties. stigations to different materials uited for different lore how some of itals can be changed bendling, twisting any them.	seeds what p and wh continu	Plants about different and bulbs. Look at plants need to grow hat they need to ue to grow and stay by. Life cycle of a	Living things in local area study	Living things habite Whether things are livin never been alive. Look and larger habitats ider animals that may live tinvestigation to see whi conditions woodlice prefusok at how living thing their environment. Foodhabitats.	tats ving, dead or have sk at microhabitat lentifying some there. Conduct ar vhich type of refer in their habit ngs are adapted t		Living things in local area study	Catch up/ enrichment
	P 1 2 3 4 5	6 7	8 E p	1	2	3 4 5 E p	1 2	3 4 5 E p		1 2 3 4	5	6 E		

Year 3 Hummingbirds	Animals inc humans Learn about the structure of the human skeleton and muscles. How skeletons differ in different animals. Nutrition and the importance of eating a healthy diet.	Light Recognise that they need light in order to see things and that dark is the absence of light. Identify light sources and explore what happens when light reflects off mirrors or other reflective materials. Think of ways to protect themselves from the Sun. Investigate shadows Recognise that shadows are formed when the light from a light source is blocked by a solid object and investigate how shadows change size.			Forces and magnets Explore simple pushes and pulls as an introduction to forces. Look at how the texture of an object or the surface it is on can affect how the object moves. Investigating different magnets and how they can pull (attract) and push (repel)				Rocks Explore different rocks and soils. Classify and group together rocks based on their appearance and physical properties. Learn how the Earth is made up of different rocks and fossils and begin to explain how some of the different rocks are formed. Look at what fossils are and how they are formed.				Plan what plants stay health wn. Identiff the functif t parts of the part the ife cycle g plants, inc n, seed for a disperso ate how we rted throu	Catch up/ enrichment		
	P 1 2 3 4 5 E	1 2	3 4 5	6 E	1 2	3 4 5	6 E	I	2 3	4 5	6 E	1 2	3 4	5	6 E	
Year 4 Dragonflies	Electricity Sort common electrical appliances into battery and mains powered. Construct simple series circuits containing a variety of components and understand the difference between complete and incomplete circuits. Identify whether or not a bulb will light in a simple series circuit and put forward ideas to fix incomplete circuits. Investigate which materials make good insulators and design, construct and test their own switches.	Company accordin liquids or material are heat identify as meltin condensi and be a played b	r gases. Learn Is change stat ted or cooled o and name the ng, freezing, ev	aterials they are solids, that some e when they and be able to se processes vaporating or ne water cycle the part and	and how fferent speeds. I change ir what ho	Sour vibrations sounds tract mediums at Explore how in pitch and lappens to so ey reach the	Learn the digestive si each part Identify the of teeth in purpose. To and conduct to answer drink cause decay? Cointerpret in chains, iden predators	Recognis process things. S variety local hal to ident using a Consider change environr in which	things habit se the seven ses commoder living of criteri bitat sear ify unknov classificat how env impacts t ment and humans of damage.	Catch up/ enrichment						
	P 1 2 3 4 5 E	1 2	3 4 5	6 7 E	1 2	3 4 5	5 6 7	Е	1 2	3 4	5 E	1 2	3 4	5	6 E	
Year 5 Owls	material Properties of solids, liquids and gases, le describe the properties of materials us scientific language; investigate which more make the best thermal insulators; and materials are magnetic. Investigate how to separate materials separation methods (Filtering, sieving, evaporation, magnets) and decide on the	perties of solids, liquids and gases, learn to cribe the properties of materials using intific language, investigate which materials ke the best thermal insulators, and which terials are magnetic. estigate how to separate materials. Name aration methods (filtering, sieving, poration, magnets) and decide on the most icient method for separating a mixture of			heir rences in d insects. e; t animal es of	gravity, fr Look at fr resistance resistance mechanism levers and) Learn who is and how gears are u aller force	s (e.g. nrust). ces (air at a pulleys used to	Lear Solar is at syst the can syst and large a mover plane Disconnight to tile of the a mover posses and large plane be a mover plane and large plane be a mover plane and large plane and lar	Earth and Spate Learn that Earth is part Solar system and that is at the centre of that system. Learn the name the other planets (based their distance from the and be able to describe movement of Earth (and planets) in relation to the Discover why there is a dight on Earth and relation to time. Gain an understof the phases of the Mode be able to describe the movement in relation to Earth.			Learn of different the hur What howomb, pubert	Animals inc humans Learn about the different stages of the human life cycle. What happens in the womb, during puberty and when youare older.		Catch up/ enrichment
	P 1 2 3 4 5 6	7 E p	2 3	4 5	6 E	1 2 3	3 4 5	6	E I	2 3	4 5	6 E	1 2	3	4 E	