Bridlewood Primary School **Science Curriculum Overview**

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Toys		**Knights and Castles**		**Seaside**	
Year 1	Everyday Materials Identifying and classify different materials.	Everyday Materials Properties of everyday materials. Carrying out an investigation (fair test) Gather and record data and observations. Seasonal changes – Autumn	Seasonal Changes Observe and describe weather associated with seasons. Investigate how the seasons affect; the weather, daylight and animals Seasonal changes – Winter into Spring	Plants Identify and describe the basic structure of a variety of common flowering plants, including trees. Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees To observe and use simple equipment to grow a bean.	Animals and humans Identifying and naming UK mammals, birds, fish, reptiles and amphibians. Identify and sort carnivores, herbivores and omnivores. Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).	Animals including humans My body to identify and name, draw and label body parts. Explore what body parts are used for different activities. Learn about and explore the five senses.
	All Action Heroes	**Fire Fire!**	**Roald Dahl**		**Australia**	**Secret Gardens**
Year 2	Everyday materials How shapes can be changed. Identify different groups of materials.	Animals including humans Basic needs Importance of exercise, diet, hygiene	Super scientists Investigations linked to learning about different Scientists and opportunity for collecting data and carrying out investigations. Albert Einstein, Alexander Graham Bell, Isaac Newton. Experiments about light, gravity, sound	Everyday materials Suitability of materials for different tasks. Design an outfit for traction man, Suitability of materials	Living things and their habitats How animals are suited to their habitat Food chains	Plants Main changes as seeds grow into plants Basic needs of plants
	Rainforests		**Stone Age to Iron Age**	**'Stig of the Dump'**	**Romans**	
Year 3	Plants Naming parts of plants Identifying conditions for growth of plants. How plants feed themselves. Transpiration. Lifecycles	Animals including humans Healthy diets Comparing what nutrition animals require compared to humans. Muscles Skeletons.	Rocks, Soil and Fossils Formation of rocks Types of rocks Durability Permeability Types of soil and formation/ composting. Formation of fossils	Light How light is formed natural light and man-made. Reflective surfaces. Sun safety Shadow formation.	Forces and magnets Friction Push/Pull Magnetism	
	Invaders		**European Journey**	**'The Tempest'**	**Ancient Greece**	**Animal Kingdom**
Year 4	States of Matter Solids, liquids & gases: Grouping materials Freezing & melting	States of Matter Solids, liquids & gases: Evaporation & condensation The water cycle	Electricity Simple circuits Conductors and insulators	Sound Vibration & pitch Musical instruments Science day	Animals and Humans Digestive system Teeth Food chains	Living Things & their Habitats Classification keys Sorting animals Environmental change

	Ancient Egypt		Space	'Macbeth'	Extreme Earth	North America
Year 5	<u>Forces</u>: Gravity, air resistance, water resistance and friction Mechanisms – levers, pulleys and gears	<u>Forces:</u> Gravity, air resistance, water resistance and friction Mechanisms – levers, pulleys and gears	<u>Earth and Space</u>: Movement of planets relative to the Sun Understanding of day and night Movement of the moon Sun, Earth and Moon as spherical bodies	<u>Properties and Changes of Materials</u>: Comparing and grouping Materials which dissolve in liquid	<u>Living things and their habitats:</u> Difference in life cycles of mammals, amphibians, insects and birds Life process of reproduction in some plants and animals	<u>Animals, including humans</u>: Gestation Changes as humans grow
	WWII		**Our Changing World**	**'Pig-heart Boy'**	**Stage and Screen**	
Year 6	<u>Living things in their habitats</u> Microorganisms Classification system and keys The work of Carl Linnaeus	<u>Electricity</u> Investigate the impact of length of wire on brightness of bulb. Investigate voltage.	<u>Evolution and Inheritance</u> Explore how characteristics and variation. Explore Charles Darwin's theory of evolution.	<u>Circulatory system</u> <u>Diet & Exercise</u> Discover how to keep the body healthy. Explore the circulatory system.	<u>Light</u> Investigate the relationship between light sources, objects and shadows. Understand how light travels.	<u>Light</u> Study and experiment with refraction and filters.