Science

Bishop Bridgeman C.E. Primary School
Bolton & Farnworth C of E Primary Multi Academy Trust

	Autumn Term		Spring Term		Summer Term
EYFS	**Marvellous Me** - Understand the effect of changing seasons in the natural world around them	**Changes And Celebrations** - Name and describe people who are familiar to them	**Spring All Around The World** - Explore the natural world around them - Recognise some environments are different to the one in which they live	**It's A Wonderful World** - Describe what they see, hear and feel whilst outside	**New Life, Come Outside** - Explore the natural world around them, animals and plants - Know the similarities and differences between the natural world around them and contrasting environments - Understand some important processes and changes in the natural world around them
Year 1	**Animals Including Humans** - Identify and name basic parts of the human body - Senses	**Everyday Materials** - Identify and name a variety of materials - Describe physical properties	**Plants** - Identify common wild and garden plants - Describe the basic structure of a plant	**Animals including Humans** - Identify and name a variety of common animals	**Seasons** - Observe changes across the four seasons - Describe weather associated with the seasons
Year 2	**Everyday Materials** - Identify and compare suitability of everyday materials - How shapes of solid objects can be changed	**Living things and their Habitats** - Explore differences between things living, dead or never alive - Habitats, including the animals and plants associated with them - Simple food chain	**Animals including Humans** - Animals have offspring that grow to adults - Understand the basic needs of animals - Importance of exercise, balanced diet and hygiene		**Plants** - Describe and observe how seeds and bulbs grow to plants - Understand the basic needs for a plant to grow
Year 3	**Rocks** - Compare and group on appearance and physical properties - Describe how fossils are formed - Soils made up of rock and organic matter	**Light** - Light needed to see things - Light is reflected from surfaces - Sun light can be dangerous - Know how shadows are formed and the patterns in size of shadows	**Forces** - Compare how things move on different surfaces - Some forces need contact, magnetic forces don't - Attract and repel - Identify magnetic materials - Magnet has two poles	**Plants** - Identify and describe the functions of different parts of a plant - Requirements of plants for life and growth - How water is transported - Life cycle of a plant	**Animals including Humans** - Animals need the right type and amount of nutrition - Humans and some animals have skeletons for support, protection and movement
Year 4	**Living things and their habitats** - Living things can be grouped in a variety of ways - Explore and use basic classification keys - Recognise environments can change	**Electricity** - Identify common electrical appliances - Construct simple circuits - Recognise some common conductors and insulators	**Animals including humans** - Function of the digestive system - Different types of teeth in humans - Food chains, identifying producers, predators and prey	**States of Matter** - Solids, liquids and gases - Some materials can change state - Evaporation and condensation in the water cycle	**Sound** - Identify how sounds are made - How the ear works - Patterns in pitch and volume of sound - Understand sound gets fainter over distance
Year 5	**Forces** - Force of gravity - Effects of air and water resistance and friction - Levers, pulleys and gears	**Animals including Humans** - Changes as humans develop to old age	**Earth and Space** - Describe movement of Earth and other planets - Describe the Moons movement - Spherical bodies of the Sun, Earth and Moon - Understand rotation to explain day and night	**Properties and changes of materials** - Compare and group everyday materials - Use knowledge of solids, liquids and gases to understand how substances can be separated - Understand some changes result in new materials	**Living things and their Habitats** - Differences in life cycles of animal groups - Life process and reproduction of some plants and animals
Year 6	**Living things and their Habitats** - Classification based on characteristics	**Electricity** - The effect more than one cell has - Use recognised symbols in diagrams	**Light** - How light travels - How the eye works - Why the way light travels explains why shadows are the same shape	**Animals including Humans** - Human circulatory system - Impact of diet, exercise and lifestyle - How water and nutrients are transported within animals	**Evolution** - Living things have changed over time and fossils help this understanding - Living things produce offspring that vary - Identify animals and plants that have adapted to their environment