Ben Jonson Primary School

Science Curriculum Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	**Understanding the world** Explore the natural world around them, making observations and drawing pictures of animals and plants		**Understanding the world** Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.		**Understanding the world** Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	
Year 1	**Animals, including humans** Identify various types of animal as well as herbivore, carnivore etc		**Materials** Names and basic properties of everyday materials and their uses.		**Plants** Identify types of plants and trees, label as evergreen / deciduous etc.	
Year 2	**Materials** Identify everyday materials, suggest uses, advantages, disadvantages.		**Living Things** Identify what makes something 'alive', habitat, needs.		**Animals including humans** What animals need to survive and grow	**Plants** What plants need to survive and grow
Year 3	**Rocks and soils** Types of rock, names of rocks, types of soil.	**Forces and magnets** What forces are, friction, resistance, magnetism.	**Animals including humans** Nutrition, the skeleton, muscles.	**Plants** Parts of a flower, how plants reproduce.	**Light** What is light, how are shadows made?	
Year 4	**Sound** What is sound, pitch, volume, insulating sound.	**Electricity** Power sources, simple circuits, components, effects of changing components.	**Animals, including humans** Teeth and digestion.	**Living things and their habitats** Classification, keys, food chains	**States of matter** Solids, liquids, gases, changes of state, melting, evaporating etc.	
Year 5	**Space** The solar system, planets, Moon, phases of the Moon.	**Living things and their habitats** Life cycles and comparisons	**Materials** Solutions, mixtures, separation methods, reversible and irreversible changes.		**Animals including humans** Animal and plant reproduction.	**Forces** Gravity, air resistance, water resistance, friction.
Year 6	**Animals, including humans** Circulatory system, function of heart, diet, exercise, nutrients, water		**Electricity** Recognising and using circuit symbols, experiments about brightness etc.	**Evolution and inheritance** Theory of evolution, fossil evidence, habitat.	**Light** How light travels, reflection, shadows.	**Living things and their habitats** Classification, micro-organisms, animals.