

Yearly Content Plan for Science							Date: 2020-2021
Year Group	Autumn Term		Spring Term			Summer Term	
Reception Understanding the World. Forest School all year	<u>We're going on a Bear Hunt</u> Exploration of natural world.(environments) Signs of Autumn Animals and their habitats(bears)	<u>Pirate Pete</u> Boats :- materials/ floating and sinking/magnetic Signs of Winter	<u>Three Little Pigs</u> Houses:- materials/ building/ circuits Signs of Spring	<u>Whatever Next!</u> Space:-forces movement/making rockets/planes	<u>The Very Hungry Caterpillar</u> Life Cycles Changes /growing Healthy Lifestyles/ Eating Signs of Summer	<u>Rosie's Walk</u> Trip to the Farm, animals and their young/food Making butter/ yoghurt. Chicken Life cycle.	
Year 1 Forest Schools all year	ANIMALS, including humans Ourselves Senses Identify, name, describe and compare common animals and basic parts of the human body	ANIMALS, including humans Ourselves Animals outside the UK	Seasonal Changes The four seasons Light and Dark DAY LENGTH	ANIMALS, including humans Carnivores Omnivores Herbivores	Plants Common plants and basic structure	Everyday materials. Sorting and Using Materials	
Year 2	Superhero Scientists A unit of work to focus on science skills Sc2/1 Working Scientifically Ask simple questions and recognise that they can be answered in different ways Observe closely, using simple equipment Perform simple tests Identify and classify Use their observations and ideas to suggest answers to questions Gather and record data to help in answering questions	Happy, Healthy Me Sc2/2.3 Animals including humans Explore and compare the differences between things that are living, dead, and things that have never been alive. Find out about and describe the basic needs of animals, including humans, for survival (water, food and air) Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.	Antarctic Adventures Sc2/2.1 Living things and their habitats Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other. Identify and name a variety of plants and animals in their habitats, including microhabitats. Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.	Traditional Tales with a Twist Sc2/3.1 Uses of everyday materials Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	The Circle of Life Sc2/2.2 Plants Observe and describe how seeds and bulbs grow into mature plants Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. Sc2/2.3 Animals including humans Notice that animals, including humans, have offspring which grow into adults s	Animal Habitats Sc2/2.1 Living things and their habitats Explore and compare the differences between things that are living, dead, and things that have never been alive Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other Identify and name a variety of plants and animals in their habitats, including microhabitats Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.	

Year 3	Skeletons and Muscles	Animals, including humans Nutrition	Rocks and Fossils	Plants Lifecycles of flowers, how water is transported in plants. Helping plants grow well	Light, reflection and shadows	Magnets
Year 4	Living things and their Habitats Habitat study human impact on environments	Electricity Common appliances, simple circuits, series, switches, conductors and insulators Electricity Common appliances, simple circuits, series, switches, conductors and insulators	Animals, including humans Human Body DIGESTIVE SYSTEM Teeth/bones	SOUND Vibration, pitch and volume STEM WEEK	States of Matter Solids, liquids and gases Evaporation and condensation	Characteristics of living things. Invertebrates and invertebrates. Classification, keys,
Year 5	Properties and changes of materials Hardness, solubility, transparency, conductivity, response to magnets.		Forces Gravity, air resistance, water resistance and friction, force and motion Collecting, recording and analysing data	Animals, including humans Human development from birth to old age Collecting, recording and analysing data	Living things and their habitats Life cycles and reproduction Collecting, recording and analysing data	Earth and Space The solar system Collecting, recording and analysing data
Year 6	Living things and their habitats Classification, characteristics and why we classify plants and animals	Electricity Voltage, simple circuit diagrams. Parallel and series circuits.	Evolution and inheritance Plant and animal adaptation	Light How light behaves	Animals including humans Circulatory system, diet, exercise, lifestyle	Human Reproduction and Relationships.