

Science Curriculum

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Reception Development of Scientific skills and Knowledge (Intent Vocabulary Implementation)	<p>Children learn about the seasons and know it is Autumn. Children talk about the seasons and have some understanding about the changes that happen in the world.</p> <p>Autumn, day, dark, light, Winter, night, season, Moon, Sun, lighter, darker, shadow</p> <p>Exploring seasons through stories, videos, books. Making a record of the seasons or weather such as a weather chart, seasons booklet etc.</p>	<p>Children identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and paper. Children are beginning to understand what 'recycle' means and why we should do it.</p> <p>Material, wood, plastic, glass, metal, paper, recyclable, hard, soft, rough, smooth, shiny</p> <p>Exploring the materials as a class – naming them. Exploring the properties of these materials through continuous provision and whole class inputs.</p> <p>Reading and investigating what recycling means and how we can recycle.</p>	<p>Children can describe an animal using some scientific vocabulary.</p> <p>Children have an understanding of some animal habitats and can describe them and who lives in them.</p> <p>Polar animals (Penguin, Artic fox, Orca, Elephant seal, Polar Bear, Snowy Owl), frozen, camouflaged, survival.</p> <p>Exploring animals and labelling them.</p> <p>Exploring what animals need to survive and how that changes depending on the environment they are in.</p>	<p>Discussions around human lifecycles and how we grow and change – children understanding how they have grown and how they will continue to grow. Looking at how they look and people older than them look – what is the same and what is different.</p> <p>Naming body parts and how to keep ourselves healthy.</p> <p>Hygiene, healthy, unhealthy, grow, change, germs, 5 senses, teeth brushing, dentist, face, hair, leg, human, knee, arm, elbow, back, head, toes, ear, hands, eye, fingers, mouth, nose, parent, baby, child, adult, grandparent</p> <p>Continue with work on seasons and weather from the Autumn term.</p> <p>Discussions and inputs around growth and changes in the human body. Learning about healthy eating and how the body works.</p>	<p>Children can name parts of a plant and what it needs to grow as part of the current topic. Children can grow their own plants and look after them.</p> <p>Children observe the plants and trees around them and how they change. Children are developing a good understanding of a lifecycle as part of the topic.</p> <p>Tulip, daffodil, bluebells, crocuses, snowdrops, dandelions, buttercups, daisy Plant, stem, leaf, roots, bulb, shoot, seed, growth flower, trunk, branches.</p> <p>life cycle, egg, caterpillar, chrysalis, cocoon, butterfly, water, food, air</p> <p>Exploring plants and the parts of the plants, looking at lifecycles of plants, identifying plants.</p>	

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Year 1	Senses Parts of the human body	Seasons – Autumn, Autumn walk, weather	Seasons – Winter, Winter walk, weather	Seasons – Spring, Spring walk, weather Materials – exploring different materials and their properties, materials that are transparent and block light, forming shadows	Plants – identify and name common plants, labelling key parts of a plant/ flower, plant groups	Animals – labels, compare and name animals and animal groups Seasons – Summer, Summer walk and weather	
Year 2	Materials	Planting for Spring	Animal Adaptations - water, exercise, healthy diet, air	Plants – seeds, food and looking at bulbs (review of earlier planting), light, water, temperature	Living Things and their Habitats		
Year 3	Animals including humans: skeletons and muscles	Animals including humans: nutrition	Light and Shadows	Plants requirements for life and growth. Flowers & life cycle.	Rocks and Fossils	Forces and Magnetism	
Year 4	Electricity	Sound	Animals including humans – teeth and digestion		States of matter inc. Water Cycle	Living things and habitats	
Year 5	Earth and Space	Forces – gravity, air resistance, water resistance & friction. Mechanisms including levers and pulleys		Properties and changes of materials	Living things: life cycle and classifications of plants and animals. Butterflies	Animals including humans: puberty	
Year 6	Animals including humans: including the circulatory system and the impact of diet, exercise, drugs and lifestyle on body function		Living Things and their Habitats: Classifying Organisms	Evolution and Inheritance	Electricity	Light	RSE