

Curriculum Overview



Subject: Science

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
R E C E P T I O N	Oatlands	Marvellous me My body, senses, my home, my feelings my family.	Celebrations My world, Seasons and Forest School.	Materials Children explore different occupations. Seasons.	Space and My Wonderful World Children explore seasons Forest School.	Growing Children study humans and animals, lifecycles, seeds and planting. Cooking and being healthy.	Animals and their habitats Children explore continents and maps, pollution and seasons.
	Manby Lodge	Weather / Seasons	Freezing and Melting Children explore the weather and seasons.	Observe changes in environment Children explore weather/seasons and bird watching.	Weather / Seasons Children cook – making scones	Minibeasts, Lifecycles Children study weather/seasons planting seeds – seedlings, trees and plants.	Parts of the body Children explore weather/seasons, how to be healthy and the human growth cycle.
Y1	Oatlands	Materials Children identify and compare materials. Children explore seasonal changes.	Human Body Children learn about parts of the body and senses. Weather.	Animals Children look at five animal groups.	Animals Children explore what animals eat. Plants and trees.	Plants Children identify common trees and flowers in our local environment.	Caring for the Planet Children explore how to look after our planet. Recycling.
	Manby Lodge	Human body and senses Children explore seasonal changes.	Materials Children identify and compare materials. Seasonal changes.	Plants Children identify and describe the structure of plants and trees.	Planting Children explore sustainability and seasonal changes.	Sustainability Children explore growing food and cooking. Planting.	Animals Children explore five animal groups. Seasonal changes.
Y2	Oatlands	Everyday materials Children carry out a simple test and make observations.	Animals' needs for survival Children learn about amphibians and reptiles.	Humans Children explore exercise, hygiene and self-care. Children make predictions and record results.	Living things and their habitats Children study animals and their diets and sustainability.	Plants (light and dark) Plants (bulbs and seeds) Children study germination and sustainability.	Humans and animals Children learn about growing up. RSE.
	Manby Lodge	Animals need for survival Children explore humans-exercise, hygiene.	Everyday Materials Children explore sustainability.	Plants (light and dark) Children explore germination. Children study living things and their habitats.	Plants (light and dark) Children study living things and their habitats.	Humans and Animals Growing Up Children study plants (light and dark).	Growing up, Lifecycles Children explore plants (bulbs and seeds) and look at sustainability.
Y3	Forces & Magnets Children learn about magnetic forces and magnets attracting and repelling.		Rocks Children explore fossil and soil formation.	All Living Things Children explore life cycles of birds, insects and amphibians.	Animals including Humans Children study skeletons and muscles.	Plants Children study functions and parts of a flower.	Light Children study reflection and explore shadows.
Y4	States of Matter Children explore solids, liquids and gases. Heating and cooling, water cycle, condensation and evaporation.		Animals, including humans Children explore the digestive system and animal teeth.	Sound Children explore vibrations, pitch, sound travel and volume.	Electricity Children explore electrical circuits, conductors and insulators.	All Living Things Children study classification keys to group and identify living things.	All Living Things Children study food chains – predators and prey.
Y5	Properties and changes of materials Children compare and group materials.		All Living Things Children explore life cycles of insects, birds and mammals.	Earth & Space Children explore the solar system, sun, earth and the moon.	Animals including Humans Children explore changes from birth to old age.	Forces Children study gravity, air resistance and water resistance.	All Living Things Children study the life cycles of mammals, amphibians, insects and birds. Reproduction.
Y6	Living Things and their Habitats Children explore classification and characteristics.		Evolution / Inheritance Children explore fossils and adaptations.	Properties / changes of Materials Children explore reversible/irreversible changes	Light Children explore how light travels and shadows.	Animals including humans Children study circulatory system, the heart and blood.	Electricity Children study voltage and circuit diagram symbols.