



Roe Lee Park Primary School & Nursery

Free to Flourish

Science Long-Term Curriculum Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	<ul style="list-style-type: none"> • Discuss the stages of basic lifecycles, e.g humans and butterflies. • Experience, observe and discuss changes in the environment with the four seasons. • Explore light and dark, including differences in routine between days and night. • Experience, observe and discuss growing and caring for plants. • Observe, recognise and learn some basic animal names. • Investigate floating and sinking. 					
Reception	<ul style="list-style-type: none"> • Name basic body parts and begin to describe some basic functions. • Explore the five senses. • Sequence a basic lifecycles, e.g human, chick, frog. • Describe the physical appearance of objects (linked to the senses). • Talk about the forces they feel (push and pull). • Identifying metal objects through the use of magnets. • Explore changes in living things, e.g. insects and plants. • Recognise and name common animals and their babies. • Explore the natural world around us and see how it changes season by season. • Explore light and dark and how shadows are made. • Know that animals live in different habitats. 					
Year 1	Animals including humans Body and senses Human lifecycle	Materials Identify, name, grouping, properties	Plants Naming and identifying basic structure		Animals Classifying animals	
	<i>Ongoing unit - seasonal change and weather</i>					
Year 2	Animals including humans Offspring and healthy living		Materials Suitability and uses	Plants Life cycles	Living things and their habitats Micro habitats	Living things and their habitats Food chains
Year 3	Animals including humans	Animals including humans	Rocks	Forces and magnets	Plants Flowering plants	Light



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	Nutrition	Skeletons and muscles				
Year 4	States of matter Solids, liquids, gases Changing state Water cycle	Animals including humans Human digestive system Teeth	Electricity Circuits	Living things and their habitats	Animals including humans Food chains	Sound
Year 5	Properties and changing materials Changing state Reversible and irreversible changes	Living things and their habitats Lifecycles Reproduction in plants and animals	Animals including humans Growth and development into old age; puberty	Earth and Space	Forces	
Year 6	Light How light travels How humans see things; shadows	Electricity Investigating circuits	Living things and their habitats Classification	Evolution and Inheritance Fossils; offspring; adaptation	Animals including humans Circulatory system Diet and exercise Nutrients	