

Park End Primary Science Overview

Year Group Focus	Autumn 1 7	Autumn 2 7	Spring 1 7	Spring 2 5	Summer 1 6	Summer 2 7
Nursery	Human body Finding out about themselves and babies Weather and seasonal change Adaption of animals to seasonal change		Weather and seasons Float and sink Melting and freezing Life cycles Wormery/composting Planting seeds: joint enquiries		Human body Healthy/unhealthy Life cycles - butterflies Plant growth Day and night Exploring Materials through a range of senses	
Reception	Seasonal changes (autumn impact) Push and pull Colour mixing Mixtures - properties and reactions Skeletons of animals Human skeleton Reptiles Animal habitats How do plants grow? Nutrition Animals that hibernate Plant life cycle	Day and night/sun and moon Change in state of powder paint Animals habitats - nocturnal animals	Electricity Seasonal changes (winter impact) Gravity Investigations Change in state Use of materials Predators and prey Food chains Animal habitats Arctic animals Habitats - woodland animals	Seasonal changes (spring impact) Balance, placement, weight Electricity Melting chocolate Animal habitats Use of animals/plants Chick life cycle/eggs Plant growth Planting seeds	Seasonal changes (summer impact) Weather Patterns Rainbows Human body Finding out about themselves and babies Weather and seasonal change Adaption of animals to seasonal change Rainbow skittles experiment What a plant needs to live Life cycle of a frog/butterfly Minibeasts/habitats Planting seeds	Forces Floating and sinking Recycling materials Making pizza - change in ingredients' state Reflective properties Health and nutrition Exercise Impact Hygiene Sea life Rock pool habitats
Y1	Continuous provision: Plants Seasonal changes including weather. Visit to Stewart Park each season. Autumn/winter Little snowflake - Suzanne Fossey - temperature, snow, wind and ice. Spring - temperature, rainfall. Summer - temperature.					

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	Everyday materials Working Scientifically Builder William Addis – Toothbrush inventor	Animals including humans Dear Greenpeace - Simon James Working Scientifically Plants - plant snowdrop/crocus bulbs in Oct/Nov Vet/Conservationist	(Humans and senses) Working Scientifically Doctor/dentist Andreas Vesalius	Everyday materials Working Scientifically John McAdam	Animals including humans Working Scientifically Plants - cress heads. David Attenborough	Animals including humans Working Scientifically Investigations
Y2	Continuous Provision: Plants growing plants from seeds and bulbs - plant daffodil bulbs in Oct/Nov march - carrot seeds sunflowers fast grass seeds in different conditions Gardener (horticulturalist)/Farmer The Tiny Seed - Eric Carle Jasper's Beanstalk - Eric Carle					
	Everyday Materials Working Scientifically Identification of materials Suitability Changing shapes Mr Frosty CharlesMacIntosh Iggy Peck Architect - Andrea Beaty	Working scientifically 1 Floating & Sinking Best material to make a boat Action figure floating Archimedes Lost and Found - Oliver Jeffers	Working scientifically 2 Messy mixtures Louis Pasteur George's Marvellous Medicine - Roald Dahl	Animals including Humans Working Scientifically Basic life cycles Basic needs for survival Exercise/food & hygiene Alexander Fleming	Living Things & Habitats Working Scientifically Suitability of habitats Name plants and animals in their habitats Jane Goodall Big People Little Dreams Jane Goodall	Living Things & Habitats Working Scientifically Living, dead and never alive Simple food chains Jacques Cousteau Who Eats Who? - Teresa Heapy Who Eats What? - Patricia Lauber

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	Electricity Michael Faraday - Scientist	Light	Animals- including Humans	Animals- including Humans Santorio Santorio - Scientist	Living things and habitats	Evolution and Inheritance Charles Darwin - Scientist
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