



St Gregory's Catholic Primary School Long Term Plan

Subject: Science

Subject Leader: AH

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<p>Animals - other animals - comparing using geographical location - Hot/Cold</p> <p>Cross-curricular with Geography</p> <p>Lancashire Unit - 'Penguins, Possums & Pigs'</p>		<p>Plants: Common names and basic structure</p> <p>Planting: cress & broad beans</p> <p>Visit to outdoor setting and record their observations linked to plants.</p>		<p>Material properties - everyday materials</p> <p>Materials in the environment - examining materials used in the local area.</p>	<p>Animals - humans - links to other animals - compare similarities and differences</p> <p>Zoo visit</p>

Year 2

Seasons - formal observations

Park visit

Cross-curricular

Animals - animal survival and growth (humans)

Hibernation food - e.g. acorns & squirrels

Continue to teach science from the 'Fighting Fit' theme if not completed - Cross-curricular P.E.

Plants: plant growth - Planting: Radish/Beetroot/Potatoes

Seeds - growth and temperature diaries for bulbs grown as part of 'The Farm Shop' theme.

Living things and their habitats - use opportunities from the 'Wind in the Willows' theme linked to exploring minibeasts and plants in a local habitat.

Examine and discuss changes in frog spawn/look at minibeasts within school grounds.

Trip - minibeasts and pond dipping

Material properties - uses of materials

Suitability of properties for given tasks - examine in depth, using scientific vocabulary

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Skeletons	Healthy humans	Material properties - rocks How fossils are formed	Forces - non contact forces	Light	Plants - functions of parts of a plant - examining Carnations
Year 4	Electricity	Sound	Animals - teeth and digestion	Begin some aspects of the solids, liquids, gases (SLG) - carry over to main topic in Summer 1	Material properties and changes - states of matter Urenco Workshop - Separating and Sorting	Living things and their habitats
Year 5	Begin the 'Reversible and Irreversible Changes' work from Autumn 2.	Material changes - reversible Changes	Light and astronomy Earth/Space Moon/Planets Solar System	Forces - effects on movement	Observing life cycles - plants Plants that are easy to dissect e.g. Tulips	Animals - human life cycles Life cycle of butterflies - links to 'Send my Friend to School'

Year 6	Environment - evolution and inheritance	Light and astronomy - how light travels Meteors/Constellations Asteroids Using a telescope	Animals / Health - exercise, health and the circulatory system Cross-curricular P.E.	Environment - classification Weather Station - daily data collection and exploration of patterns	SATs	Electricity - links to Lancashire Unit 'Oh, I do like to be beside the seaside'
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Whole School Initiatives

Space Week/National Science & Engineering Week

KS2 - Lancashire Science Festival (Classes dependant on numbers allowed)

Planting with PTFA