

St Marys RC Primary School – Science Long Term Plan



Year Group	Unit Coverage						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
EYFS – Overarching topics	Where do I belong?	Celebrations	Traditional Tales	Journeys	Life Cycles	Hot and Cold (climate change)	
See EYFS medium term planning for science links.							
Year 1	Seasonal changes- Autumn	Seasonal changes- Winter	Animals including humans	Animals including humans (Ext unit) (Season changes – spring)	Materials	Materials (Ex Unit)	Plants
					Science Week		Seasonal changes - summer
Seasonal Changes -Throughout the year, Year 1 will keep recapping back on 'Seasonal Changes'. Make explicit to the children when we are in a new season and what do they notice?							
Wider opportunities – Year 1	Seasonal changes – Go on a walk in each season and ♣ observe changes across the four seasons ♣ observe and describe weather associated with the seasons and how day length varies.			Pupils should use the local environment throughout the year to explore and answer questions about animals in their habitat.- Reservoir Visit			Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees- Visit to Curwen Hall or somewhere similar to look at a range of different trees.
Year 2	Living things and habitats.		Materials	Animals including humans	Animals including humans (Ext Unit)	Plants	Plants (Ext Unit)
					Science Week		
Wider opportunities – Year 2	Whinlatter Forest – Habitats. Harrington Shore/ Reservoir			Pupils should be taught to find out about and describe the basic needs of animals, including humans, for survival (water, food and air)- Reservoir Visit		Stocks Wood Forest School	

Year 3	Rocks	Light	Forces and magnets	Science Week	Animals including humans	Plants
Wider opportunities – Year 3	CELELD Rocks Workshop Threlkeld Quarry and Mining Museum				Pet Encounter	Reservoir Visit - explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant ♣ investigate the way in which water is transported within plants
Year 4	Animals including humans	Sound	States of matter	Science Week	Electricity	Living things and their habitats
Wider opportunities – Year 4	Pet Encounter				STEMFIRST Electricity Workshop	The Lake District Wildlife Park Focus - explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment
Year 5	Forces	Properties of materials	Space	Science Week	Living things and habitats	Animals including humans
Wider opportunities – Year 5			Wonderdome Planetarium		Reservoir Visit - Pupils should be taught to: ♣ describe the differences in the life cycles of a mammal,	Animal Encounter

					an amphibian, an insect and a bird ♣ describe the life process of reproduction in some plants and animals.	
Year 6	Animals including humans	Evolution and inheritance	Electricity	Science Week	Light	Living things and habitats
Wider opportunities – Year 6	Heart Dissection – secondary school link		STEMFIRST Electricity Workshop			Reservoir visit – Focus:- Pupils should be taught to: ♣ describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals ♣ give reasons for classifying plants and animals based on specific characteristics.