

Dobwalls Science Long Term Overview

Concepts: Evolution, Chemistry, Ecosystems, Energy, Forces, Living things (cells)

YEAR	Autumn 1		Autumn 2		Spring 1	Spring 2	Summer 1		Summer 2	
Y1	Chemistry Everyday materials Seasons		Animals including humans		Animals including humans (senses) Seasonal Changes	Science investigation – Science week	Plants – identify and name common plants/ structures of plants		Seasonal changes	
Topic	Once Upon a Time		Bears, Bears, Bears		Where do I live?	Amazing Animals	School, School, School		Saving Lives at Sea	
Concepts and skills	Chemistry		Ecosystems		Evolution	Science enquiry	Evolution		<i>Ecosystems</i>	
SECRET Skills	Get involved		Take responsibility		Share my learning	Be organised	Go for it, finish it		Handle emotions	
Y2	Animals including humans: basic needs		Humans – exercise, balanced diet, health and well being		Living things and their habitats	Science investigation – Science Week	Plants		Use of everyday materials	
Topic	Going on Safari		Care for one and all		Out and About	The Great Fire of London	Lovely Liskeard		Castles	
Concepts and skills	Evolution	Ecosystems	Evolution	Energy	Ecosystems	Scientific enquiry	Ecosystems		Chemistry	
SECRET Skills	- Handle risk - Share your learning		- Handle emotions - Plan, do and review			- Evaluate evidence - Connections - Plan, do and review	- Ask and explore questions - Connections		- Plan, do and review - Reach conclusions	
Y3	Animals including Humans: Balanced Diet. Hygiene. Teeth.		Light and Shadow		Rocks and Fossils	Science Week	Plants		Forces and Magnets	
Topic	Land of the Pharaohs		River of Life		Stone age	Adventure	Our Cornwall		Cousin Jack	
Concepts and skills	Ecosystems	Living things are made of cells - Animals keeping their cells healthy	Energy travelling from one place to another – travelling as light		Chemistry	Scientific Enquiry	Evolution	Ecosystems	Living things are made of cells - Plants keeping their cells healthy	Forces: Understand objects stay in one place or moving with constant speed and direction unless a force acts on them → acceleration

SECRET Skills	- Connections	- Evaluate evidence	- Ask and explore questions	- Setting challenges	Reach conclusions		
Y4	Sound	Living things and their habitats	States of matter	Conducting investigations/ Scientific enquiry	Humans (teeth, digestion)	Electricity (residential)	
Topic	Plymouth	Disaster!	Roman Invasion	Rainforests	Anglo Saxons	European Neighbours	
Concepts and skills	Energy travelling from one place to another – travelling as sound & types of sound	Evolution	Chemistry	Scientific enquiry/ Science week	Living things are made of cells - Getting nutrition to your cells	Forces: Understand objects stay in one place or moving with constant speed and direction unless a force acts on them → acceleration	
SECRET Skills	- Identify problems	- Identify problems - Handle risk		- Ask and explore questions	- Go for it, finish it	- Get involved	
Y5	Properties and changes of materials	Animals, including humans - changes as humans develop	Living things and their habitats	Scientific Week	Earth and Space	Earth and space carried over from previous term	Forces – catapults/graphs
Topic	North America	Ancient Greeks	Cruising the Mediterranean	Earth and Space	Anglo Saxons and Viking	Backpackers	
Concepts and skills	Chemistry	Evolution/living things	Evolution	Scientific enquiry	Forces	Forces: Understand objects stay in one place or moving with constant speed and direction unless a force acts on them → acceleration	
SECRET Skills	- Find solutions	- Ask and explore questions		- Handle risk	- Reach conclusions	- Be organised	
Y6	Light & Shadows	Electricity	Evolution and Inheritance	Scientific enquiry	Living Things	Animals and Humans: Circulatory System: human circulatory system, measuring heart rate, healthy choices	
Topic	Armistice and the first world war	Dobwalls	Mystic Maya	Wonderful World	You're Fired	Goodbye My Friend	
Concepts and skills	Energy travelling from one place to another – travelling as light	Energy travelling from one place to another – travelling as electricity	Evolution (Timescale and process)	Science week	Evolution (classification)	Living things are made of cells – getting nutrition to	

SECRET Skills	- Ask and explore questions	- Connections	- Reach conclusions	- Plan, do and review	- Take responsibility	
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