

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	Plants – identify and name common plants Seasonal Changes		Everyday materials	Animals including humans (senses) Seasonal Changes	Animals - naming animal groups ...	Plants – structures of plants		Seasonal changes <i>(NB: assessment completed here - observations of seasons throughout the year)</i>	
Topic	Once Upon a Time		Bears, Bears, Bears	Where do I live?	Amazing Animals	School, School, School		Saving Lives at Sea	
Concepts and skills	Evolution		Chemistry	Scientific enquiry	Evolution	Evolution			
CoEL	Having their own ideas								
Y2	Animals including humans: basic needs		Humans – exercise, balanced diet, health and well being		Plants	Living things and their habitats		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	Ecosystems	Scientific enquiry	Evolution	Ecosystems	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		Plants		Forces and Magnets	
Topic	Land of the Pharaohs		River of Life	Stone Age	Settlements	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			

YEAR	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Y4	Sound	States of matter		Living things and their habitats	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	Chemistry	Scientific enquiry	Evolution	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	Earth and space		Forces –(catapults/graphs)	Living things and their habitats	Animals, including humans - changes as humans develop
Topic	Mystery	Earth and Space	Film and Theatre	Vikings	Ancient Greeks	Backpackers
Concepts and skills	Chemistry	Forces: Understand objects stay in one place or moving with constant speed and direction unless a force acts on them → acceleration	Scientific enquiry	Forces: Understand objects stay in one place or moving with constant speed and direction unless a force acts on them → acceleration	Evolution	Scientific enquiry Evolution Living things are made of cells – cells getting old
SECRET Skills	- Find solutions	- Ask and explore questions		- Handle risk	- Reach conclusions	- Be organised
Y6	Light & Shadows	Electricity	Evolution and Inheritance	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)	Evolution (classification)	Living things are made of cells – getting nutrition to	Scientific enquiry

					your cells & keeping your cells healthy	
SECRET Skills	- Ask and explore questions	- Connections	- Reach conclusions	- Plan, do and review	- Take responsibility	