

## 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			
<b>Y1</b>	Plants – identify and name common plants  Seasonal Changes	Every day materials	Animals including humans (senses)  Everyday Materials  Seasonal Changes	Animals - naming animal groups ...	Plants – structures of plants	Seasonal changes <i>(NB: assessment completed here - observations of seasons throughout the year)</i>			
<b>Topic</b>	Once Upon a Time	Bears, Bears, Bears	Where do I live?	Amazing Animals	School, School, School	Pirates and mermaids			
<b>Concepts and skills</b>	Evolution	Chemistry	Scientific enquiry	Evolution	Evolution				
CoEL	Having their own ideas								
<b>Y2</b>	Animals including humans: basic needs	Humans – exercise, balanced diet, health and well being	Plants		Living things and their habitats	Use of everyday materials			
<b>Topic</b>	Going on Safari	India	In the deep dark woods	The Great Fire of London	The Age of engineering	Castles, Knights and Princesses			
<b>Concepts and skills</b>	Evolution	Ecosystems	Evolution	Ecosystems	Scientific enquiry	Ecosystems	Chemistry		
<b>SECRET Skills</b>	- 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			
<b>Y3</b>	Animals including Humans: Balanced Diet. Hygiene. Teeth.	Light and Shadow	Plants	Forces and Magnets	Rocks and Fossils				
<b>Topic</b>	<b>Land of the Pharaohs</b>	<b>River of Life</b>	<b>Our Cornwall</b>	<b>Cousin Jack</b>	<b>Stone age</b>	<b>Adventure</b>			
<b>Concepts and skills</b>	Ecosystems	Living things are made of cells - Animals keeping their cells healthy	Energy travelling from one place to another – travelling as light	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	Chemistry	Scientific Enquiry
<b>SECRET Skills</b>	- Connections	- Evaluate evidence	- Ask and explore questions	- Setting challenges	Reach conclusions				

<b>Y4</b>	Sound	Living things and their habitats		States of matter	Humans (teeth, digestion)	Electricity (residential)
<b>Topic</b>	Plymouth	Rainforest	Roman Invasion	Disaster!	Anglo Saxons	European Neighbours
<b>Concepts and skills</b>	Energy travelling from one place to another – travelling as sound & types of sound	Evolution	Scientific enquiry	Chemistry	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
<b>SECRET Skills</b>	- Identify problems	- Ask and explore questions		- Identify problems - Handle risk	- Go for it, finish it	- Get involved
<b>Y5</b>	Properties and changes of materials	Earth and space		Forces –(catapults/graphs)	Living things and their habitats	Animals, including humans - changes as humans develop
<b>Topic</b>	Mystery	Earth and Space	Film and Theatre	Vikings	Ancient Greeks	Backpackers
<b>Concepts and skills</b>	Chemistry	Forces: Understand objects stay in one place or moving with constant speed and direction unless a force acts on them → acceleration		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
<b>SECRET Skills</b>	- Find solutions	- Ask and explore questions		- Handle risk	- Reach conclusions	- Be organised
<b>Y6</b>	Light & Shadows	Electricity	Evolution and Inheritance	Living Things	Animals and Humans: Circulatory System: human circulatory system, measuring heart rate, healthy choices	
<b>Topic</b>	Armistice and the first world war	Dobwalls	Mystic Maya	Wonderful World	You're Fired	Goodbye My Friend
<b>Concepts and skills</b>	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 your cells & keeping your cells healthy	Scientific enquiry

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