

Trewidland 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
KS1 A	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
KS1 B	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 Lisheard	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
KS2 A	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			
KS2 B	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			
KS2 C	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			

KS2 D	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	Trewidland	Mystic Maya	Wonderful World	You're Fired	
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	