

Gawber Science Topics

	BIOLOGY			CHEMISTRY	PHYSICS		
FS2	Living things and their habitats - Minibeast hunts and minibeast habitats - Simple life-cycles using Owl Babies and The Very Hungry Caterpillar	Animals including humans - Compare animals from different countries - Describe and compare minibeasts	Plants - Plant bulbs for spring. - Plant Vegetables - Draw, describe and compare plants	Materials Investigate melting, freezing and materials which float	Seasonal Changes Observe seasonal changes in autumn, winter, spring and summer		
YEAR 1	Animals including Humans - Understanding ourselves - Naming body parts - Naming animals		Plants - Naming Plants - Parts of Plants - Growing plants	Everyday Materials - Sorting and using materials. - Names and properties of simple materials	Seasonal Changes Observe seasonal changes in autumn, winter, spring and summer including weather	Forces - Pushes and Pulls - Introduce simple forces - Explore push, pulls and gravity	Light and Dark - Light sources - Darkness - Reflective surfaces - Shadows
YEAR 2	Living things and their habitats - Micro-Habitats - What do you need to build a wildlife garden? - Habitats - Why do cheetahs live on the savannah?	Animals, including humans - How do we stay healthy? - Health and Growth	Plants - How does your garden grow? - Growing conditions for seeds and bulbs	Uses of Everyday Materials - Suitability and changing shapes of materials. - Why is the London Bridge not made of glass? - Why do balls bounce? - How solids can be changed by squashing, bending, stretching and bending?			
YEAR 3	Plants Functions of plant parts			Rocks and Soils Simple properties of rocks			
					Electricity Simple circuit	Light Darkness	Sound Vibrations

	Basic plant Life cycle Focus on pollination and seed dispersal	- Fossils - Soils	- Switches, - Conductors and insulators	- Reflection - Shadows - Size of shadows	- Pitch - Volume	
YEAR 4	Living things and their habitats - Grouping and simple classifying, habitats - Changes and dangers posed to these habitats	Animals including Humans - Skeletons - Teeth - Eating and digestion	States of matter - Solids, liquids and gases - Heating and cooling - The water cycle	Forces and Magnets - Forces - Friction - Movement on different surfaces - Magnets		
YEAR 5	Plants - Life cycles - Pollination - Fertilisation - Seed dispersal	Evolution and Inheritance - Adaptation - Changes over time - Inheritance		Electricity - What affects light bulbs brightness and buzzer volume? - Voltage - Symbols	Light - Explore light travels in straight lines - How we see	Earth and Space - Sun, Earth and Moon - Planets
YEAR 6	Living things and their habitats - Life cycles - Reproduction - Classifying including micro-organisms	Animals, including humans - Changes in humans as they grow - Circulatory system - Functions of heart - Blood vessels and blood - Health	Properties and changes of materials - Properties including thermal and electrical conductivity - Mixing and separating - Reversible and irreversible changes	Forces - Gravity - Friction - Air -resistance - Levers, pulleys and gears		
WORKING SCIENTIFICALLY : Across all topics, children will be learning to work scientifically - using and developing investigative skills including observation, pattern-seeking, fair testing, classification and identification.						