

Sir John Offley CE VC Primary School  
 'With God all things are possible'  
Science Vocabulary Overview

National Curriculum  
 Black - Statutory  
 Blue - Non-statutory

	Topic 1	Topic 2	Topic 3	Topic 4	Topic 5
<b>Year 1</b>	Seasonal changes  Seasons Seasonal change Spring Summer Autumn Winter Weather Day Night Sun Sunshine Rain Snow Sleet Ice Frost Fog Cloud Hot Cold Storm	Everyday materials  Material Object Wood Plastic Glass Metal Water Rock Hard/Soft Stretchy/Stiff Shiny/Dull Rough/Smooth Bendy/Not bendy Waterproof/Not waterproof Absorbent/Not absorbent Opaque/Transparent Brick Paper Fabric Elastic Foil	Plants  Plant Trees Wild plants Garden plants Deciduous trees Evergreen trees Flowers Habitat Vegetables Leaves Blossom Petals Fruit Roots Bulb Buds Seed Trunk Branches Stem	Animals including humans  Animals Fish Amphibians Reptiles Birds Mammals Carnivore Herbivore Omnivore Pets Human Body Senses See Hear Feel Smell Taste Head Neck Arms Elbow Legs	

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				Knees Face Ears Eyes Hair Mouth Teeth Habitat	
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Year 2	Uses of everyday materials	Living things and their habitats	Animals including humans	Plants	
	Materials	Living	Animals	Seeds	
	Properties	Dead	Humans	Bulbs	
	Suitable	Alive	Offspring	Mature plants	
	Unsuitable	Not alive	Growth	Light	
	Wood	Habitat	Adults	Water	
	Metal	Micro-habitat	Survival	Temperature	
	Plastic	Food	Water	Growth	
	Glass	Food chain	Food	Healthy	
	Brick	Food source	Air	Environment	
	Rock	Shelter	Exercise	Germination	
	Paper	Seashore	Hygiene	Survival	
	Cardboard	Woodland	Balanced diet	Plant reproduction	
	Solid object	Ocean	Healthy		
	Squashing	Rainforest	Nutrition		
	Bending		Egg-chick-chicken		
	Twisting		Frog spawn-tadpole-		
	Stretching		frog		
	John Dunlop		Baby-toddler-child-		
	Charles Macintosh		teenager-adult		
	John McAdam				

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Year 3	Animals including Humans	Light	Forces and Magnets	Rocks	Plants
	Animals	Light	Force	Rocks	Plant functions
	Humans	Dark (absence of light)	Magnet	Fossils	Roots
	Nutrition	Reflect	Contact force	Soil	Stem
	Skeletons	Surface	Non-contact force	Organic matter	Trunk
	Muscles	Protect	Attract	Grains	Leaves
	Support	Shadows	Repel	Crystals	Flowers
	Protection	Light source	Magnetic materials	Sedimentary rock	Air
	Movement	Blocked	Poles		Light
	Bones	Opaque object	Strength		Water
	Diets	Patterns	Items		Nutrients
	Healthy				Soil
					Water transportation
					Life cycle
					Pollination
					Seed formation
					Seed dispersal
					Fertiliser

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Year 4	Animals including humans	Electricity	States of matter	Sound	Living things and their habitats
	Digestive system	Electricity	Materials	Sound	Living things
	Stomach	Appliances	Solid	Vibration	Classification key
	Small intestine	Simple series circuit	Liquid	Pitch	Local environment
	Large intestine	Cell	Gas	Volume	Wider environment
	Oesophagus	Wire	State	Strength	Habitat
	Teeth	Bulb	Heated	Fainter	Flowering plants
	Molar	Switch	Cooled	Insulation	Non-flowering plants
	Pre-molar	Buzzer	Temperature		Vertebrate animals:
	Incisor	Battery	Degree Celsius		fish, birds, mammals,
	Canine	Conductor	Evaporation		amphibians, reptiles
	Food chain	Insulator	Condensation		Invertebrate animals:
	Producer	Components	Water cycle		snails, worms, slugs,
	Predators	Device	Chemical changes		spiders, insects
	Prey	Brighter	Substances		Grasses
	Mouth	Dimmer	Drying		Ferns
	Tongue		Melting		Mosses
	Teeth		Condenses		Human impact: nature
	Carnivore				reserve, population,
	Herbivore				development, litter
					and deforestation

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Year 5	Living things and their habitats	Animals including humans	Forces	Properties and changes of materials	Earth and Space
	Life cycle	Humans	Force	Materials	Earth
	Mammal	Development	Earth	Properties	Space
	Amphibian	Old age	Gravity	Hardness	Planets
	Insect	Growth	Air resistance	Solubility	Sun
	Bird	Puberty	Water resistance	Transparency	Solar system
	Plant reproduction	Gestation period	Friction	Conductivity	Spherical bodies
	Animal reproduction	Mass	Surface	Electrical	Rotation
	Naturalists		Mechanism	Thermal	Day
	Animal behaviourists		Lever	Magnets	Night
	David Attenborough		Pulley	Dissolve	Movement
	Jane Goodall		Gear	Solid	Star
	Sexual		Machines	Liquid	Mercury
	Asexual		Galileo Galilei	Gas	Venus
	Reproduce		Isaac Newton	Solution	Mars
	Grow		Resistance	Substance	Jupiter
			Springs	Mixture	Saturn
				Separated	Uranus
				Filter	Neptune
				Sieve	Pluto
				Evaporation	Dwarf planet
				State	Celestial bodies
				Reversible change	Orbit
				Irreversible change	Moon
				Melting	Heliocentric
				Reaction	Geocentric
				Chemists	Ptolemy
				Spencer Silver	Alhazen
					Copernicus

## Science Vocabulary Overview

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				Ruth Benerito Polymers	Sun dial Astronomical clock
Year 6	Living things and their habitats  Living thing Habitat Micro-organism Plant Animal Classification system Invertebrates: insects, spiders, snails and worms Vertebrates: fish, amphibians, reptiles, birds and mammals Carl Linnaeus Pioneer	Animals including humans  Human Circulatory system Heart Blood vessel Blood Diet Exercise Drugs Lifestyle Nutrient transportation Water transportation Skeletal Muscular Digestive system Drugs Substances Health	Evolution and inheritance  Evolution Inheritance Evolve Fossils Inhabit Living things Offspring Identical Adapt Adaptation Environment Evolution Palaeontologists Mary Anning Charles Darwin Alfred Wallace	Light  Light Object Reflection Light source Shadow Periscope	Electricity  Electricity Brightness Volume Buzzer Voltage Cell Series circuit Component Symbol Switch Bulb Buzzer Motor

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**Working Scientifically**

Year 1-2	Year 3-4	Year 5-6
experience observe changes patterns grouping sorting classifying compare identify (name) data measure record equipment questions test investigate explore magnifying glass same different	enquiry fair test comparative test relationships conclusion accurate thermometer data logger estimate data diagram key (identifying) table chart bar chart results predictions explanation similarity/difference question evidence findings criteria values properties characteristics	variables evidence justify accuracy precision diagrams classification key tables predictions comparative tests fair tests conclusions scatter graphs bar graphs line graphs scientific argument causal relationship



KS1 – Each topic should last 9 weeks.  
 KS2 – Each topic should last 7 weeks.