

Vocabulary mapping 2022 - 2023

This progression map shows the progression across the national curriculum's science programme of study requirements from year 1 to year 6. Statements here are taken directly from the programme of study and have been organised into topics. Alongside the statements is the vocabulary progression. This details the required vocabulary that the children should understand throughout each topic and year group as a prerequisite for further learning. Some vocabulary is revisited in previous history or Geography topics.

	Year 1	Year 1/2	Year2	Year 3	Year 4	Year 5	Year 6
Animals including humans	Reptile Amphibians Bird Fish Mammal	Develop Hatch Nutrition Exercise Live young	Young Offspring Diet Hygiene Germs	Nutrients Fats (Saturated and unsaturated) Muscles Joints tendons vertebrate invertebrate Energy Vitamins Minerals	Digestive system Stomach Producer Prey Predator Enamel Saliva Food chain Incisor Canine Molar	Gestation Asexual reproduction Sexual reproduction Puberty Prenatal Adolescence Menstruation Adulthood Life expectancy Fertilisation	Circulatory system Heart Blood vessels Oxygenated blood Atrium Artery Vein Capillary Plasma Platelets
Plants	Wild plants Garden plants Evergreen tree Deciduous tree Weed	Water Seedling root Absorb Sapling	Germination Shoot Seed dispersal Sunlight temperature	Evaporation Pollination Fertilisation Stamen Carpel Sepal Anther Anchor Wind dispersal Animal dispersal			
Living things and their habitats		Local habitats Micro habitat Survival Alive Never been alive	Living Dead Never living Food sources Habitat		Organisms Specimen Classification Characteristics Environment Endangered species Extinct	Metamorphosis Gametes Tuber runners Cuttings Embryo Pregnancy Cuttings Plantlet	Linnaean system Flowering and non flowering plants Variation Bacteria Microbes Decompose Ferment

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					Classification key Environmental dangers Urbanisation	Egg Sperm	Single-celled Fungus Mould
Evolution and inheritance							Inheritance Adaptation Inherit Natural selection Adaptive traits Inherited traits Darwin Evolution Advantageous Theory of evolution Genetics
Seasonal changes	Spring Summer Autumn Winter Day length	The four seasons Weather forecast Seasonal change Night Day					
Forces				Surface Forces Magnetic fields Magnetic poles Attract		Air resistance Water resistance Buoyancy Upthrust Gravitational pull	

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				<ul style="list-style-type: none"> Repel Iron filings Compass Metals Friction 		<ul style="list-style-type: none"> Pulleys Levers Streamlined Newton Opposing forces 	
Light				<ul style="list-style-type: none"> Light source Shadow Translucent Reflection Ray Light energy Illuminate Beam Glare UV light 			<ul style="list-style-type: none"> Reflective light Visible spectrum Prism Refraction Light waves Wave length Periscope Straight lines UV rating Visible light
Sound					<ul style="list-style-type: none"> Eardrum Vibration Particles Pitch Volume Amplitude Sound wave Sound proof Ear canal Medium 		
Earth and Space						<ul style="list-style-type: none"> Star Planet Spherical bodies Axis 	

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						Orbit Astronomer Geocentric model Heliocentric model Sun Moon	
Electricity					Mains-powered Battery-powered Mains electricity Appliances Battery Electrical conductor Electrical insulator Circuit Bulb Cell		Voltage Amps Resistance Electrons Volts Current Component Circuit diagram Natural electricity Human-made electricity
Materials	Hard Material Properties Absorbent Object	Properties Flexible Bending Stretching Wood	Suitability Opaque Rigid Recyclable Squish	Sedimentary rock Igneous rock Metamorphic rock Permeable Fossilisation Palaeontologist Layers Soil Granite Erosion	Solid Liquid Gas States of Matter Evaporate Condensate Water vapour Precipitation Melting point Freezing point	Thermal conductor/insulator Electrical resistance Transparency Soluble/Insoluble Solution Solvent Mixture Irreversible changes Reversible changes Changing of state	

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