

## Science

### Vocabulary Progression Map



*Below are the vocabulary lists for Science. These give an indication of the words that we want children to become familiar with during each key stage. They are not intended as a test list but show the kind of language staff will use and explain in lessons to broaden pupils' science vocabulary and understanding.*

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Subject Science	Working Scientifically	Animals including humans	Plants	Living things and their habitats	Evolution and Inheritance	Seasonal change	Forces
EYFS	question, answer, observe, observing, equipment, identify, sort, group, compare, differences, similarities, describe, measurements, test, results, secondary sources record – diagram, chart	Human, animal, fish, birds, head, face, hair, leg, elbow, back, toes, hands, fingers	Tree, trunk, leaves, flowers, petals, fruit, roots, bulb, plant	Garden, forest, wood, water		Summer, spring, autumn, winter cold, rain, snow, windy, ice, hot	
KS1		Backbone, carnivores, cold-blooded, environment, farm, gills, herbivore, omnivore, pet, temperature, vertebrate, warm-blooded, wild, adult, balanced diet, basic needs, bones, calcium, disease elderly, essential, healthy, illness, exercise, infant, lifestyle, minerals, muscle, nutrients, offspring, option, shelter, skeleton, standards, substitute, survive, teenage, toddler, vitamins.	Branches, common, deciduous, evergreen, flowering, garden, herb, seed, stem, vegetable, vegetation, weed, wild, ballistic, categorise, crop, dissect, peat, compost, reproduce	Reproduce, produce young, produce new plants, animals, plants, shoot, within, under, next to, fruit, earth, soil, seeds, adapts, biomes, camouflage, canopy, continuous, depend, desert, environment, foliage, grassland, grazing, habitat, lifeform,		chilly, conkers, day length, daylight, deciduous, freeze, frost, hibernate, migrate, months, nature, , season, slightly, temperature, warm, weather	force, contact, surface, magnetic, attract, repel, poles

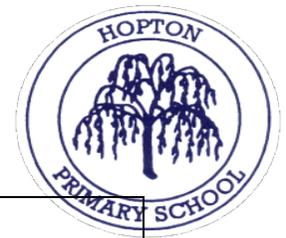
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				<p>marine, microhabitat, oceans, region, season, survive, thrive, tropical, tundra, vegetation</p>			
LKS2	<p>oral and written explanations, conclusion, predictions, criteria, classify, changes, data, contrast, evidence, improve, secondary sources, guides, keys, construct, interpret research – relevant question equipment – thermometer, data – gather, standard units, record, classify, present record – drawings, labelled diagrams, keys, bar charts, tables</p>	<p>Backbone, bones, contract, elbow, endoskeleton, exoskeleton, joints, muscle, organs, protect, relax, skeleton, support, tendons, vertebrae Balanced diet, diet, energy, healthy, hygiene, nutrients, nutrition, starchy Absorb, canine, carnivore, decay, digestion, enamel. Excretion, faeces, herbivore, incisor, ingested, intestines, molar, oesophagus, omnivore, premolar, process, saliva, stomach</p>	<p>Absorb, anther, bulb, carbon dioxide, carbon, common, deciduous, dispersed, dissect, evergreen, fertilisation, fertiliser, flowering, function, germination, healthy, lifecycle, mature, nutrients, ovule, petal, plant, pollen, pollination, seed, stem, stigma, structure, temperature, transported, trunk.</p>	<p>Carnivore, classification key, energy, environment, food chain, food web, habitat, herbivore, incisor, life processes, microhabitat, molar, nutrition, omnivore, organism, predator, prey, primary consumer, producer, Secondary consumer, tertiary consumer, biomes, carnivore classification key, criteria, deciduous, environment evergreen, excretion, food chain, habitat, herbivore, invertebrate, minibeast, reproduction, respiration,</p>		<p>blossom, day length, daylight, deciduous, holiday, months, nature, season, sunny, temperature</p>	<p>Attract, bendy, friction, force, gravity, magnet, magnetic field, motion, non-magnetic, opposite, position, pull, push, repel, resistance, squash, stretchy, surface, twist</p>

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				sensitivity, urban, vegetation. vertebrate			
UKS2	<p>plan, variables, measurements, accuracy, precision, repeat readings, predictions, further comparative and fair test, identify, classify and describe, patterns, systematic, quantitative measurements report data – scientific diagrams, labels, classification keys, tables, scatter graphs, bar graph and line graphs report and present – conclusions, casual relationships, explanations, degree of</p>	<p>Babyhood, childhood, adolescence, adulthood womb, fetus, embryo, gestation, baby, toddler, teenager, elderly growth, development, puberty function, circulatory system, heart, valve, blood vessel, vein, artery transport, oxygenated, deoxygenated lifestyle, drug</p>	<p>Plant growth, fertiliser, nutrient s, consumer, producer, predator, prey, food chain, key, suited, plant food, produces, identify, habitats, life processes Reproduce, reproduction, stamen, stigma, sepal, petal, ovary, pollen, style, germinate, germination, fertilise, fertilisation, pollinate, pollination, disperse, dispersal,</p>	<p>Plant Growth, fertiliser, nutrients, consumer, producer, predator, prey, food chain, Key, suited, plant food, produces, identify, habitats, life processes Micro-organism, microbe, germ, virus, decay, mould, feed, grow, reproduce, bacteria</p>	<p>adaptation, evolution, characteristic, reproduction, genetics, survival</p>	<p>Friction, air resistance, water resistance, force meter, newton, surface area, forces, resists, Magnet, spring, metal, iron, copper, aluminium, steel, brass, attract, repel, magnetic, non-magnetic, attraction, repulsion, force, elastic, pull towards,</p>	

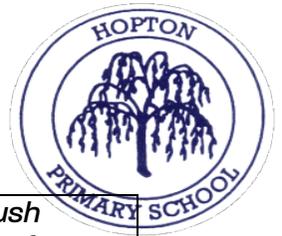
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	<i>trust, oral and written display and presentation evidence – support, refute, ideas or arguments biology, physics, chemistry</i>						<i>push away from, stretch, squash, compress</i>
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Subject Science	Light	Sound	Earth and Space	Electricity	Materials
EYFS		Loud, quiet, volume, sound	Earth, Moon, planet, space, Sun, star		Metal, plastic, wood, paper, glass, clay, rock, fabric, sand, hard, soft, rough, smooth, shiny, dull, bendy, waterproof, strong, weak, group, object, sort, stretchy, magnetic, not magnetic, lets light through
KS1	Bright, light, dark, black, night, day, reflective strip, reflect, torch, Sun, candle, lamp, darker, darkest, brighter, brightest, brightness, shine	Sound, sounds, high, low, loud, quiet, shake, rattle, blow, pluck, tap, scrape, ring, silence, direction, louder, loudest, quieter, quietest, noise, soft, further away, nearer, ear, faint, fainter, volume		Electricity, bulb, bulb holder, buzzer, battery, battery holder, switch, circuit, connection, wire, mains, crocodile clip, break, dim, bright, light, plug, socket, brighter	Absorbent, brick, elastic, fabrics, foil, man-made, metal, natural, opaque, plastic, stiff, transparent, waterproof, properties, purpose, recyclable, twist, unsuitable
LKS2	Light, bright, chemical reactions, dark, dim, electricity, emits, light, mirror, opaque, products, reflect, shadows, source, sunglasses, surface, torches, translucent, transparent	Amplitude, decibel, electricity, energy, frequency, medium, pitch, power, sound waves, source, transmit, travel, vibrations, volume	Rock, slate, granite, sandstone, chalk, soil, clay, sand, limestone, quartz, marble, stone, pebble, texture, absorbent, characteristic, surface	Appliances, battery, bulb, buzzer, cell, circuit, component, conductor, current, device, electricity, energy, fuel, generate, insulator, mains, motor, power, source, switch, wires	Absorb, bedrock, decaying, grain, igneous, imprint, leaf litter, magma, man-made, metamorphic, mineral, molten, natural, nutrients, paleontology, permeable, porous, prehistoric, preserve, pressure, properties, rock, sediment, soil, surface, surrounding, volcano, weathered, condensation, cooling, evaporation, freezing, freezing point, gas, heating, liquid, melting

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					<p><i>melting point, particles, precipitation, process, properties, solid, temperature, vibrations, water cycle, Water vapour</i></p>
UKS2			<p><i>Earth, sun, moon, sphere, revolve, orbit, spin, rotate, axis, sunrise, sunset, north, south, east, west, light source, shadow</i></p>	<p><i>Changing circuits, circuit, complete circuit, conductor, insulator, symbol, circuit diagram, electricity, component, voltage</i></p>	<p><i>Changing state, evaporate, evaporation, condense, condensation, state, solid, liquid, gas, melt, freeze, conditions, melting, solidify</i>  <i>Dissolve, dissolving, undissolved, solution, mixture, evaporate, condense, pure, separate, clear, cloudy, filter,</i>  <i>Gas gases, air, oxygen, carbon dioxide, natural gas, carbon monoxide, properties</i></p>

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