



# Progression of Scientific Vocabulary (by topics)



EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p><b><u>Animals including Humans</u></b></p> <p>Name an increasing number of body parts... head, body, arm, leg, back, neck, knee, foot, eyes, nose, mouth, ears, bottom, hair, elbow, wrist, belly, button, thigh, shin, ankle, toes, fingers, thumb, teeth, fangs, tail, wings, feelers, antennae</p>	<p><b><u>Animals including Humans</u></b></p> <p>fish, reptiles, mammals, birds, amphibians (examples of each), herbivore, carnivore, omnivore, leg, arm, elbow, head, ear, nose, back, wings, beak, claw, fin, scales, feathers, fur, beak, senses, hear/hearing, see/seeing, touch/touching, smell/smelling, taste/tasting, rough/smooth, bright/dim, loud/quiet, high/low, repeating/continuous (sound).</p>	<p><b><u>Animals including Humans</u></b></p> <p>offspring, reproduction, growth, baby, toddler, child, teenager, adult, old person, names of animals and their babies (e.g. chick/chicken, kitten/cat, caterpillar/butterfly), survive, survival, water, food, air, exercise, heartbeat, breathing, hygiene, germs, disease, food types (e.g. meat, fish, vegetables, bread, rice, pasta, dairy)</p>	<p><b><u>Animals including Humans</u></b></p> <p>nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, joints, support, protect, move, skull, ribs, spine</p>	<p><b><u>Animals including Humans</u></b></p> <p>digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, large intestine, rectum, anus, incisor, canine, molar, premolar, herbivore, carnivore, omnivore, producer, predator, prey</p>	<p><b><u>Animals including Humans</u></b></p> <p>foetus, embryo, womb, gestation, baby, toddler, teenage, elderly, growth, development, puberty - the vocabulary to describe sexual characteristics in line with the school's RSE policy</p>	<p><b><u>Animals including Humans</u></b></p> <p>heart, pulse, rate, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, cycle, circulatory system, diet, drugs, lifestyle</p>
<p><b><u>Plants</u></b></p> <p>plant, leaf, stem, branch, root, bark, flower, petal, seed, berry, fruit, vegetable, bulb, plant, hole, dig,</p>	<p><b><u>Plants</u></b></p> <p>Deciduous, evergreen, leaves, flowers, blossom, petals, fruit, seeds, roots, bulb, trunk, branches, stem/ stalk, wild,</p>	<p><b><u>Plants</u></b></p> <p>light, shade, Sun, warm, cool, water, space, grow, healthy, bulb, germinate, shoot, seedling</p>	<p><b><u>Plants</u></b></p> <p>photosynthesis, pollen, insect/wind pollination, male, female, seed formation, seed dispersal (wind</p>			

water, weed, grow, shoot, die, dead, soil, names of plants they grow	garden flowers (examples-daisy, rose tulip, sunflower), vegetables.		dispersal, animal dispersal, water dispersal), air, nutrients, minerals, soil, absorb, transport			
<u>Everyday materials</u> Names of materials eg. wood, metal, plastic etc. ice, water, frozen, icicle, snow, melt, wet, cold, slippery, smooth, big, bigger, biggest, smaller, smaller, smallest, hard, soft, bendy, rigid, wood, plastic, paper, card, metal, strong, weak, hot, apply heat, waterproof, soggy, not waterproof, best, change, change back	<u>Everyday materials</u> object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool, clay, hard, soft, stretchy, stiff, bendy, floppy, waterproof, absorbent, breaks/tears, rough, smooth, shiny, dull, see-through, not see-through	<u>Everyday materials and their uses</u> opaque, transparent, translucent, reflective, non-reflective, flexible, rigid, shape, push/pushing, pull/pulling, twist/twisting, squash/squashing, bend/bending, stretch/stretching	<u>Rocks</u> rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorbs water, fossil, bone, flesh, minerals, marble, chalk, granite, sandstone, slate, types of soil (e.g. peaty, sandy, chalky, clay).	<u>States of matter</u> solid, liquid, gas, heating, cooling, state change, melting, freezing, melting point, boiling, boiling point, evaporation, condensation, temperature, water cycle	<u>Properties and changes of materials</u> thermal insulator/conductor, change of state, mixture, dissolve, solution, soluble, insoluble, filter, sieve, reversible/non-reversible change, burning, rusting, new material	
<u>Living things and their habitats</u> natural, plant, animal, leaves, seeds, conkers, acorns, twigs, bark, shells, feathers,		<u>Living things and their habitats</u> Living, dead, habitat, energy, food chain, predator, prey,		<u>Living things and their habitats</u> Vertebrates, classification keys, environment, fish, amphibians, reptiles, birds,	<u>Living things and their habitats</u> Mammal, sexual, asexual, reproduction, insect, amphibian, bird, offspring	<u>Living things and their habitats</u> Classification, vertebrates, invertebrates, organism, micro-organisms,

pebbles, stones, same, different, pattern, tree, bush, flower, vegetable, herb, weed, animal, names of plants and animals they see, name of a contrasting environment (e.g. beach, forest)		woodland, pond, desert.		mammals, invertebrates, snails, slug, worms, spiders, insects, environment,		amphibians, reptiles, mammals, insects, crustacean, mollusc, arachnid
<u>Light and dark</u> spring, summer, autumn, winter, seasons, sunny, cloudy, hot, warm, cold, shower, raining, storm, thunder, lightning, hail, sleet, snow, icy, frost, puddles, windy, rainbow, animals, young, plants, flowers	<u>Seasonal changes</u> weather, sunny, rainy, raining, shower, windy, snowy, cloudy, hot, warm, cold, storm, thunder, lightning, hail, sleet, snow, icy, frost, puddles, rainbow, seasons, winter, summer, spring, autumn, Sun, sunrise, sunset, day length		<u>Light</u> light, light source, dark, absence of light, surface, shadow, reflect, mirror, Sun, sunlight, dangerous	<u>Electricity</u> electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative, connect/connection s, loose connection, short circuit, crocodile clip, bulb, switch, buzzer, motor, conductor, insulator, metal, non-metal, symbol	<u>Earth and Space</u> Sun, Moon, Earth, planets (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune), spherical, Solar System, rotate, star, orbit	<u>Light and Electricity</u> straight lines, light rays  circuit diagram, circuit symbol, voltage

<p><u>Sound</u>  sound, noise, loud,  quiet, high, low,  music, bang, blow,  pluck, soft, hard,  fast, slow, names of  instruments  listen, hear, music,  voices, bird song,  traffic, sirens,  thunder, high, low,  loud, quiet, soft,  volume, crackle,  thunder, hum, buzz,  roar</p>				<p><u>Sound</u>  sound, source,  vibrate, vibration,  travel, pitch (high,  low), volume, faint,  quiet, loud,  insulation</p>		
<p><u>Forces</u>  float, sink, up,  down, top, bottom,  surface, move, roll,  drop, fly, turn, spin,  fall, fast, slow,  faster, slower,  fastest, slowest,  further, furthest,  wind, air, water,  blow, bounce</p>			<p><u>Forces</u>  force, push, pull,  twist, contact  force, non-contact  force, magnetic  force, magnet,  strength, bar  magnet, ring  magnet, button  magnet, horseshoe  magnet, attract,  repel, magnetic  material, metal,  iron, steel, poles,  north pole, south  pole</p>		<p><u>Forces</u>  force, gravity,  Earth, air  resistance, water  resistance, friction,  mechanisms, simple  machines, levers,  pulleys, gears</p>	

						<u>Evolution and Inheritance</u> offspring, sexual reproduction, vary, characteristics, adapted, inherited, species, evolve, evolution
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## Disciplinary Skills - Vocabulary Progression

EYFS	Year 1 & 2 (KS1)	Year 3 & 4 (Lower KS2)	Year 5 & 6 (Upper KS2)
look closely, observe, watch, touch, feel, smell, listen, same, different, compare, ask questions, record, sort, group	observe, changes, patterns, grouping, sorting, compare, same, different, identify (name), measure, data, record results, drawing, picture, table, tally chart, present, pictogram, block chart, Venn diagram, ask questions, test, investigate, explore, equipment, resources, magnifying glass, hand lens, ruler, tape measure, metre stick, pipette, syringe, spoon, teaspoon, answer questions, interpret results, scientific enquiry, pattern seeking, comparative testing, observing over time, classifying, researching using secondary sources	practical work, fair testing, relationships, accurate, thermometer, data logger, stopwatch, timer, estimate, data, diagram, identification key, chart, bar chart, prediction, similarity, difference, evidence, information, findings, criteria, values, properties, characteristics, conclusion, explanation, reason, evaluate, improve	variables, independent variable, dependent variable, control variable, evidence, justify, argument (science), causal relationship, accuracy, precision, scatter graphs, bar graphs, line graphs, force meter