

Progression of Key Scientific Vocabulary

Aspect	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>BIOLOGY</p> <p>Animals Including Humans</p>	egg, chick, bird, caterpillar, cocoon, chrysalis, butterfly, frog spawn, tadpole, froglet, frog, grow, change, die, names of animals and their young, fur, feathers, scales, tail, wings, beak, claws, paws, hooves, swim, walk, run, jump, fly, patterns, spots, stripes, grow, change, baby, toddler, child, adult, old person, smell, taste, touch, feel, hear, see, blind, deaf	names of animals, live, on land, in water, jungle, desert, North Pole, South Pole, sea, hot, cold, wet, dry, snow, ice, hair (e.g. black, brown, dark, light, blonde, ginger, grey, white, long, short, straight, curly), eyes (e.g. blue, brown, green, grey), skin (e.g. black, brown, white), big/tall, small/short, bigger/smaller, baby, toddler, child, adult, old person, old, young, brother, sister, mother, father, aunt, uncle, grandmother, grandfather, cousin, friend,	head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves, names of animals, experienced first-hand from each vertebrate group, senses, touch, see, smell, taste, hear, fingers, skin, eyes, nose, ears, tongue	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)	nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, joints, support, protect, move, skull, ribs, spine	digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, large intestine, rectum, anus, incisor, canine, molar, premolar, herbivore, carnivore, omnivore, producer, predator, prey.	Foetus, embryo, womb, gestation, baby, toddler, child, teenager, adult, elderly, growth, development, puberty, life cycle, reproduction, fertilisation, life expectancy, childhood.	heart, pulse, rate, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, cycle, circulatory system, diet, drugs, lifestyle

		family, boy, girl, man, woman Year						
BIOLOGY Living Things and Their Habitats	natural, plant, animal, leaves, seeds, conkers, acorns, twigs, bark, shells, feathers, pebbles, stones, same, different, pattern plant, leaf, stem, branch, root, bark, flower, petal, seed, berry, fruit, vegetable, bulb, plant, hole, dig, water, weed, grow, shoot, die, dead, soil (Nursery - Plants)	plant, tree, bush, flower, vegetable, herb, weed, animal, names of plants and animals they see, name of a contrasting environment (e.g. beach, forest)		living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed, water, air, survive, survival, names of local habitats (e.g. pond, woodland etc.), names of micro-habitats (e.g. under logs, in bushes etc.), conditions.		classification, classification keys, environment, habitat, human impact, positive, negative, migrate, hibernate	life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis, asexual, plantlets, runners, cutting	vertebrates, fish, amphibians, reptiles, birds, mammals, warm-blooded, cold-blooded, invertebrates, insects, spiders, snails, worms, flowering, non-flowering, mosses, ferns, conifers
BIOLOGY Plants	plant, leaf, stem, branch, root, bark, flower, petal, seed, berry, fruit, vegetable, bulb, plant, hole, dig, water, weed, grow, shoot, die, dead, soil, names of	tree, bush, herb, names of plants they see (Reception - Living things and their habitats)	leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud, names of trees in the local area, names of garden and wild flowering plants in the local area	light, shade, Sun, warm, cool, water, space, grow, healthy, bulb, germinate, shoot, seedling	photosynthesis, pollen, insect/wind pollination, male, female, seed formation, seed dispersal (wind dispersal, animal dispersal, water dispersal), air, nutrients, minerals, soil, absorb, transport			

	plants they grow							
BIOLOGY Evolution & Inheritance								offspring, sexual reproduction, vary, characteristics, adapted, inherited, species, evolve, evolution .
CHEMISTRY Rocks	natural, shells, pebbles, stones				Natural, man-made, fossils, rocks, soils, sandstone, granite, marble, pumice, slate, chalk, grains, crystals, properties, absorbent, permeable/impermeable Igneous, metamorphic and sedimentary Durable			
CHEMISTRY Materials (Y1/2 – Everyday Materials) (Y5 – Properties & Changes of Materials)			Material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, properties, hard, soft, bendy, rough, smooth	Hard, soft, stretchy, stiff, shiny, dull, rough, smooth, bendy, waterproof, absorbent, opaque, transparent, brick, paper, fabrics, squashing, bending, twisting, stretching, elastic, foil, cardboard, rubber, natural, man-made			Properties, hardness, solubility, transparency, conductivity, magnetic, filter, evaporation, dissolving, mixing, solution, separate, reversible changes, irreversible changes, new material	

<p><u>CHEMISTRY</u></p> <p>States of Matter</p>							<p>Solid, liquid, gas, states, particles, solidify, ice, melt, freezing, evaporate, evaporation, condense, condensation, changing state, heating, cooling, temperature, thermometer, degrees Celsius, water cycle</p>		
<p><u>PHYSICS</u></p> <p>Light</p>	<p>light, torch, bulb, lamp, spotlight, shiny, bright, brighter, brightest, Sun, shine, glow, mirror</p>	<p>Sun, sunny, light, shadow, shady, clouds, torch, see-through, not see-through, source, light source</p>				<p>light, light source, dark, absence of light, surface, shadow, reflect, mirror, Sun, sunlight, dangerous, transparent, translucent, reflective and opaque</p>		<p>Light, refraction, reflection, spectrum, rainbow, colour, travels, beam, periscope, filters, iris, pupil retina, lens</p>	
<p><u>PHYSICS</u></p> <p>Sound</p>	<p>sound, noise, loud, quiet, high, low, music, bang, blow, pluck, soft, hard, fast, slow, names of instruments</p>	<p>sound, noise, listen, hear, music, voices, bird song, traffic, sirens, thunder, high, low, loud, quiet, soft, volume, crackle, thunder, hum, buzz, roar</p>					<p>Vibrate, vibration, volume, pitch, wave, tone, speaker, medium, ear, faint, fainter, loud, louder, string, percussion, woodwind, brass, insulate.</p>		
<p><u>PHYSICS</u></p> <p>Forces and Magnets</p>						<p>Magnetic, attract, repel, magnetic poles, north, south, force, push, pull, friction, force meter, gravity, spring</p>		<p>Gravity, air resistance, water resistance, friction, Newton, gears, pulleys, mechanism</p>	

<p><u>PHYSICS</u></p> <p>Seasonal Changes</p>		<p>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</p>	<p>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, deciduous and evergreen</p>					
<p><u>PHYSICS</u></p> <p>Earth & Space</p>							<p>Earth, Sun, Moon, axis, rotation, orbit, day, night, phases of the Moon, star, constellation, planets (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune), heliocentric, geocentric, hemisphere, tilt, spherical, Solar System, rotate</p>	
<p><u>PHYSICS</u></p> <p>Electricity</p>		<p>battery, plug, socket, electricity, wire, sound, light, move</p>				<p>electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative,</p>		<p>Amps, volts, voltage, brightness, volume, switches, series circuit, switch, bulb, buzzer, cells, wires, motor, conductor, insulator, circuit diagram, circuit symbol and voltage</p>

						connect/connections, loose connection, short circuit, crocodile clip, bulb, switch, buzzer, motor, conductor, insulator, metal, non- metal, symbol		
--	--	--	--	--	--	---	--	--