

St. Peter's C of E Primary School  
Vocabulary Progression – Science

**Introduction**

- The vocabulary included for EYFS are words that children should be exposed to. They should use some correctly in a scientific context
- The vocabulary included from Year 1 onwards are the words that children should know and use correctly in a scientific context. They should be able to define the specialist scientific vocabulary included
- The vocabulary in red is from other linked topics. The topic they come from is indicated
- The working scientifically vocabulary identified should be taught through the topics in each year-group during practical work or scientific enquiry

EYFS						
look closely, observe, watch, touch, feel, smell, listen, same, different, compare, ask questions, record, sort, group, tree, bush, herb, names of plants they see, plant, tree, bush, flower, vegetable, herb, weed, animal, names of plants and animals they see, name of a contrasting environment (e.g. beach, forest), parts of the body, names of animals, habitat, tree, leaf, flower, stem, seed, names of materials, spring, summer, autumn, winter, weather, world, Earth, moon, sun, star, float, sink, magnetic, change, life cycle, senses, 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, family, boy, girl, man, woman, 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, sun, sunny, light, shadow, shady, clouds, torch, see-through, not see-through, source, light source						
	KS1 Cycle A	KS1 Cycle B	LKS2 Cycle A	LKS2 Cycle B	UKS2 Cycle A	UKS2 Cycle B
Working Scientifically	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	

St. Peter's C of E Primary School  
Vocabulary Progression – Science

Plants	light, shade, Sun, warm, cool, water, space, grow, healthy, bulb, germinate, shoot, seedling	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	photosynthesis, pollen, insect/wind pollination, male, female, seed formation, seed dispersal (wind dispersal, animal dispersal, water dispersal), air, nutrients, minerals, soil, absorb, transport	classification, classification keys (LKS2 - Living things and their habitats)	life cycle, reproduce, sexual, fertilises, asexual, plantlets, runners, tubers, cuttings (UKS2 - Living things and their habitats)	flowering, non-flowering, mosses, ferns, conifers (UKS2 - Living things and their habitats)
Living things and their Habitats	<p>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, light, dark, shady, sunny, wet, damp, dry, hot, cold, names of living things in the habitats and micro-habitats studied</p> <p>light, shade, Sun, warm, cool, water, space, grow, healthy, bulb, germinate, shoot, seedling (KS1 - Plants)</p> <p>offspring, reproduction, growth, baby, toddler, child, teenager, adult, old person, names of animals and their babies (e.g. chick/chicken, cat/kitten, caterpillar/butterfly) (KS1 - Animals, including humans)</p>	<p>names of garden and wild flowering plants in the local area (KS1 - Plants)</p> <p>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 (KS1 - Animals, including humans)</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 (KS1 - Seasonal changes)</p>	<p>photosynthesis, pollen, insect/wind pollination, male, female, seed formation, seed dispersal (e.g. wind dispersal, animal dispersal, water dispersal), air, nutrients, minerals, soil, absorb, transport (LKS2 – Plants)</p> <p>herbivore, carnivore, omnivore, producer, predator, prey (LKS2 - Animals, including humans)</p>	classification, classification keys, environment, habitat, human impact, positive, negative, migrate, hibernate	life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis, asexual, plantlets, runners, cuttings	vertebrates, fish, amphibians, reptiles, birds, mammals, warm-blooded, cold-blooded, invertebrates, insects, spiders, snails, worms, flowering, non-flowering, mosses, ferns, conifers

St. Peter's C of E Primary School  
Vocabulary Progression – Science

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Animals, including humans</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>living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed, water, air, survive, survival (KS1 - Living things and their habitats)</p>	<p>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, parts of the human body including those within the school's RSE policy, senses, touch, see, smell, taste, hear, fingers, skin, eyes, nose, ears, tongue</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>nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, joints, support, protect, move, skull, ribs, spine</p>	<p>heart, pulse, rate, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, cycle, circulatory system, diet, drugs, lifestyle</p> <p>life cycle, foetus, baby, child, adolescent, adult, reproduce, sexual, sperm, fertilises, egg, live young (UKS2 - Living things and their habitats)</p>	<p>puberty, the vocabulary to describe sexual characteristics in line with the school's RSE policy</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Evolution and Inheritance</p>	<p>light, shade, Sun, warm, cool, water, space, grow, healthy, bulb, germinate, shoot, seedling (KS1- Plants)</p> <p>living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed, water, air, survive, survival, conditions, light, dark, shady, sunny, wet, damp, dry, hot, cold (KS1 - Living things and their habitats)</p>	<p>leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud (KS1 - Plants)</p>	<p>photosynthesis, pollen, insect/wind pollination, male, female, seed formation, seed dispersal (e.g. wind dispersal, animal dispersal, water dispersal), air, nutrients, minerals, soil (LKS2 - Plants) soil, fossil, bone, flesh, minerals (LKS2 - Rocks)</p>	<p>environment, habitat, human impact, positive, negative, migrate, hibernate (LKS2 - Living things and their habitats)</p> <p>herbivore, carnivore, omnivore, producer, predator, prey (LKS2 - Animals, including humans)</p>	<p>life cycle, reproduce, sexual, fertilises, asexual, plantlets, runners, tubers, cuttings (UKS2 - Living things and their habitats)</p>	<p>offspring, sexual reproduction, vary, characteristics, adapted, inherited, species, evolve, evolution</p>

St. Peter's C of E Primary School  
Vocabulary Progression – Science

Seasonal Changes		<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</p>				
Materials	<p>opaque, transparent, translucent, reflective, non-reflective, flexible, rigid, shape, push/pushing, pull/pulling, twist/twisting, squash/squashing, bend/bending, stretch/stretching</p>	<p>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</p>	<p>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) (LKS2 - Rocks) magnetic force, magnet, attract, magnetic material, metal, iron, steel (LKS2 - Forces and magnets)</p>	<p>solid, liquid, gas, heating, cooling, state change, melting, freezing, melting point, boiling, boiling point, evaporation, condensation, temperature, water cycle</p>		<p>thermal insulator/conductor, change of state, mixture, dissolve, solution, soluble, insoluble, filter, sieve, reversible/non-reversible change, burning, rusting, new material</p>
Rocks	<p>opaque, transparent, translucent, reflective, non-reflective (KS1 - Uses of everyday materials)</p>	<p>object, material, rock, brick, clay, hard, soft, waterproof, absorbent, rough, smooth, shiny, dull, see-through, not see-through (KS1 - Everyday materials)</p>	<p>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)</p>			

St. Peter's C of E Primary School  
Vocabulary Progression – Science

Light	opaque, transparent, translucent, reflective, non-reflective (KS1 - Uses of everyday materials)	senses, see, eyes (Y1 - Animals, including humans) shiny, dull, see-through, not see-through (KS1 - Materials)		light, light source, dark, absence of light, surface, shadow, reflect, mirror, Sun, sunlight, dangerous		straight lines, light rays
Forces	flexible, rigid, shape, push/pushing, pull/pulling, twist/twisting, squash/squashing, bend/bending, stretch/stretching (KS1 - Uses of everyday materials)			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		force, gravity, Earth, air resistance, water resistance, friction, mechanisms, simple machines, levers, pulleys, gears
Sound		senses, hear, ear (KS1 - Animals, including humans)	sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, quiet, loud, insulation			
Electricity				electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative, connect/connections, loose connection, short circuit, crocodile clip, bulb, switch, buzzer, motor, conductor, insulator, metal, non-metal, symbol	circuit diagram, circuit symbol, voltage	

St. Peter's C of E Primary School  
Vocabulary Progression – Science

Earth and Space				light, light source, Sun, sunlight, dangerous (LKS1 - Light)	Sun, Moon, Earth, planets (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune), spherical, Solar System, rotate, star, orbit	
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