



Progression in vocabulary skills throughout the Science curriculum

EYFS – YEAR 6

Introduction

The vocabulary included for Nursery and Reception 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 some of the specialist scientific vocabulary included. The intention is that vocabulary is build upon each year.

The working scientifically vocabulary identified in the first table of this document should be taught through the topics in each year-group during practical work or scientific enquiry

	EYFS	KS1	LKS2	UKS2
Working Scientifically	question, answer, observe, observing, equipment, identify, sort, group, compare, differences, similarities, describe, measurements, test, results, secondary sources record – diagram, chart		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, label	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 trust, oral and written display and presentation evidence – support, refute, ideas or arguments biology, physics, chemistry
Animals inc humans	Human, animal, fish, birds, head, face, hair, leg, elbow, back, toes, hands, fingers	Sense, eye, ear, nose, mouth, hand, foot, feet, senses, arm, leg, head, neck, knee, wing, beak, see, hear, smell, touch, feel, alive, living, not alive, human, animal, tall, tallest, taller like, similar, to, different, same, body, bodies, change, sort, shorter, shortest, grow, move adult, young, hygiene, maturity, survival	Herbivore, carnivore, omnivore, feed, feeding, growth, activity, food groups, vegetables, meat, fish, cereals, sugars, fats, fruits, starches, tooth, teeth, incisor, molar, canine, diet, healthy, unhealthy, root, decay, food, balanced diet. Skeleton, bone, bones, ribs, spine, skull, vertebrate, contract relax, contraction, joint, move, muscles, muscle	Babyhood, childhood, adolescence, adulthood womb, foetus, embryo, gestation, baby, toddler, teenager, elderly growth, development, puberty function, circulatory system, heart, valve, blood vessel, vein, artery transport, oxygenated, deoxygenated lifestyle, drug
Plants	Tree, trunk, leaves, flowers, petals, fruit, roots, bulb	Plant, plants, branch, root, stem, trunk, flower, leaf, leaves, seeds, weeds, grow, growing, living, alive, not living, not alive, dead, healthy, deciduous, evergreen	Plants, light, warmth, water, leaves, roots, stem, grow, growth, height, germinate, photosynthesis, stamen, stigma	Plant growth, fertiliser, nutrients, consumer, producer, predator, prey, food chain, key, suited, plant food, produces, identify, habitats, life processed, reproduce, reproduction, stamen, stigma, sepal, petal, ovary, pollen, style, germinate, germination, fertilise, fertilisation, pollinate, pollination, disperse, dispersal, photosynthesis
Living things and Habitats	Garden, forest, wood, water	Reproduce, produce young, produce new plants, animals, plants, shoot, within, under, next to, fruit, earth, soil, seed	Habitat, nutrition, environment, keys, condition, consumer, producer, organism, predator, prey, food chain, similar, different	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

	EYFS	KS1	LKS2	UKS2
Seasonal changes	Summer, Spring, Autumn, winter	Warm, warmth, cold, temperature, thermometer, degrees, Celsius, measure, room temperature		
Forces		force, contact, surface, magnetic,	Force, movement, direction, distance, further, furthest, fast, faster, fastest, slow, slower, slowest, higher, highest, speed up, slow down, change direction, change shape, twist, squeeze, stretch, pull, twist	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, push away from, stretch, squash, compress
Light		Bright, ;light, dark, black, night, day, reflective strip,reflect, torch, Sun, candle, lamp, darker, darkest, brighter, brightest, brightness, shine	Light, dark, shadow, transparent, opaque, direction, light travels, translucent, shortest, longest, highest, object, material, light source, Sun, night, day	Light, beam, reflect, reflection, opaque, mirror, light travelling, source, reflected, travel, block, shiny surface
Sound	Loud, quiet, volume, sound	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	vibration, wave, volume, pitch, tone, insulation	Changing sounds, sounds, loudness, vibrate muffle, tuning, quiet, soft, noise, sound, source, loud, high, low, vibrating, soundproof
Earth & Space	Earth, Moon, planet, space, Sun, star		Rock, slate, granite, sandstone, chalk, soil,clay, sand limestone, quartz, marble, stone, pebble, texture, absorbent, characteristic, surface	Earth, sun, moon, sphere, revolve, orbit, spin, rotate, axis, sunrise, sunset, north, south, east, west, light source, shadow

