

Science Vocabulary Progression

Year 1	Autumn Human Body	Body parts: eyes, ears, mouth, nose, teeth, hair, head, neck, shoulders, elbows, hands, fingers, upper body, lower body, legs, knees, feet, toes; Senses: sense, sight, (light, dark, blind), sound (hear, quiet, loud, deaf), taste (tongue, sweet, salty, sour, bitter, savoury), touch (skin, rough, smooth, hard, soft), smell (scent, stench) brain
	Spring Planting Materials	plant, seed, root, stem, leaves, flowers, soil, growth materials, texture, object, surface, properties Materials: wood, plastic, glass, metal, rock, fabric; Properties: metal, soft, hard, shiny, dull, heavy, light, bendy, natural, man-made, absorb/absorbent, waterproof, opaque, transparent, solid; Processes: freeze, melt, liquid, float, sink
	Summer Animals Plants	animal, pet, wild animal, mammal, fur, bird, beak, wings, feathers, flippers, webbed feet, fish, scales, fin, tail, gills, amphibian, reptile, features, herbivore, carnivore, omnivore, nocturnal, names of common animals flower, stem, root, leaf, petal, trunk, branch, fruit, blossom, wildflower, garden plant
	Throughout the year Seasonal Changes	seasons, autumn, winter, spring, summer, sun, rain, cloud, frost, hail, snow, weather, sleet, wind, temperature, rainfall, daylight, night, deciduous, evergreen
	Working scientifically	test, observe, label, thermometer, rain gauge, record, table, sort, group, hand lens, pipette, timer, trowel, similarity, difference, research, measure, height, ruler, rubbing

Science Vocabulary Progression

Year 2	Autumn Animals needs for survival Humans Materials	shelter, survive, insect, flightless, dry scales, baby, adult heart rate, heart, exercise, physical health, mental health, healthy diet, unhealthy diet, food groups, sugars, germs, disease, virus, hygiene, teeth, gums, plaque, tooth decay, filling recyclable materials, reuse, strength, purpose, suitable, unsuitable Materials: cardboard, brick, stone, pebble Properties: flexible, rigid, lightweight, tough, translucent, bend, twist, squash, stretch
	Spring Plants (light and dark) Living Things and their Habitats	vegetable, fruit, herb, blossom, stem, petals, sunlight, compost, conditions habitat, suited/suitability, polar, desert, ocean, woodland, microhabitat, insects, snails, worms, spiders, diet, energy, living things, alive, dead, never been alive
	Summer Plants (light and dark) Growing Up	bulb, shoot, seed, growth, temperature, wilt live young, offspring, eggs, adult, parent, life cycle, adolescent, amphibian, frogspawn, tadpole, froglet, butterfly, caterpillar, hatch, pupa
	Working scientifically	classify, predict, pattern, compare, measurements, food chain, tally chart, scientist

Science Vocabulary Progression



Year 3	Autumn Skeletons and movement Nutrition and diet Rocks and fossils	bones, skeleton, skull, spine, ribcage, pelvis, femur, vital organ, heart, lungs, exoskeleton, provide, insects, antennae, support, protection, movement, joints, knees, elbows, hips, shoulders, hinge joint, ball and socket joint, contract, relax, muscle nutrition, carbohydrates, protein, dairy, alternatives, fats, vitamins, energy, calcium, healthy fats, unhealthy fats, diet, Eatwell Guide, balanced diet, vegan, vegetarian, pescatarian, omnivorous, animal product, rocks, granite, pumice, sandstone, chalk, marble, textures, grains, crystals, layers, acid, brittle, reaction, weathering, fossil, trace, remain, shell, fossilisation, sediment
	Spring Soils Light	soil, organic matter, sandy soil, chalky soil, clay soil, peat soil, habitat, nutrient, absorb, flooding, light, light source, natural light, artificial light, protect, sunglasses, lenses, tinted, reflect, reflection, absence, shiny, dull, shadow, light rays, opaque, translucent, transparent, distance
	Summer Plants Forces Magnets	flowering plants, functions, roots, stem, leaves, flowers, petals, absorb, reproduce, dissection, condition, seed, growth, transport, germination, seed coating, seedling, reproductive parts, reproductive organs, stamen, pollen, pistil, pollination, egg, pollinator, seed dispersal, wind/water/animals/explosion dispersal, life cycle, shoots push, pull force, contact force, friction, surface magnet, magnetic, magnetic force, non-contact force, pole, north pole, south pole, attract, steel, iron, aluminium, repel
	Working scientifically	prediction, plan, model, identifying and classifying enquiry, research enquiry, Venn diagram, categories, sample, funnel, filter, filter paper, measuring cylinder, beaker, conclusion, evaluation, data, comparative test, scales, grams, volume, observation over time enquiry, fair test, dissection, pattern seeking enquiry, identify and classify enquiry, secondary source, Carroll diagram

Science Vocabulary Progression



Year 4	Autumn Group and Classify Living Things States of Matter	vertebrates, invertebrates, soft-bodied invertebrates, segmented body, limb, non-flowering plants, solid, liquid, gas, states of matter, matter, volume, pour, pouring solid, change state, water vapour, boil, melting point, boiling point, evaporation, condensation, the water cycle, precipitation
	Spring Sound Electricity	vibration, sound, vacuum, volume, pitch, outer ear, ear canal, ear drum, ear bones, cochlea, inner ear, decibels, insulator, low-pitched, high-pitched, sound waves, source electricity, appliance, energy, battery, mains, socket, plug, circuit, electrocuted, bulb, wire, switch, cell, buzzer, component, fault, conductor, insulator
	Summer Habitats Digestive System Food Chains	habitat, rural habitat, urban habitat, natural resources, nature reserves incisor, canine, premolar, molar, enamel, pulp, root, jaw, germs, sugar, plaque, decay, acid, organ, digestion, digestive system, oesophagus, stomach, small intestine, large intestine, rectum, saliva, nutrients producer, consumer, predator, prey
	Working scientifically	classification key, classify, closed questions, data, trends, degrees Celsius, stopwatch, data logger, beaker, petri dish, variable, decibel metre, method, results

Science Vocabulary Progression

Year 5	Autumn Forces Space	friction, force, stationary object, air resistance, surface area, parachute, streamlined, water resistance, viscous, mass, weight, gravity, gravitational pull, levers, pulleys, gears, mechanism, machine, pivot point (fulcrum), Sun, Earth, Moon, planet, spherical body, satellite, Solar System, orbit, universe, astronomy, dwarf planet, heliocentric model, geocentric model, axis, tilt, rotation, sunrise, sunset time zones, Greenwich Mean Time (GMT) Prime Meridian, lunar, phases of the moon, natural satellite
	Spring Properties of Materials Animals Including Humans	magnetism, hardness, electrical conductor, electrical insulator, thermal insulator, room temperature, properties, lifespan life cycle, foetus, adolescent, elderly, womb, puberty, reproduce, dependent, toddler, milestone, hormones, periods, elasticity, wrinkles, life expectancy, gestation period, lifespan
	Summer Life Cycles Reproduction Reversible and Irreversible Changes	life cycle, mammal, mammary glands, reproduce, offspring, metamorphosis, amphibian, moist, frogspawn, tadpole, froglet, insect, larva/larvae, pupa/pupae, hatchling, nestling, fledgling, incubate, metamorphosis sexual reproduction, reproductive parts, ovules, ovary, stigma, style, filament, anther, pollen grains, fertilisation, asexual reproduction, runner, bulb, tuber, parent plant, cutting, compost soluble, insoluble, substance, dissolve, solution, sieving, filtering, mixture, reversible, irreversible, chemical reaction, burning, acid
	Working scientifically	independent variable, dependent variable, controlled variable, repeated reading, mean average, reliability, repeatability, anomaly, anomalous results, relationship, precision, force/Newton metre, Newton (N), Scientific model, control, correlation, line graph, duration, life cycle diagram, sieve

Science Vocabulary Progression

Year 6	Autumn Living Things and Their Habitats Evolution and Inheritance	characteristic, living and non-living organism, excrete, microorganism, coniferous, fungi, bacteria, virus, mould, vaccine, kingdom, class, species variation, species, offspring, identical, inheritance, desirable characteristic, offspring, adaptations, camouflage, evolution, descendant, theory of evolution, shared/common ancestor, natural selection, selective breeding, fossils, fossilisation, decompose, palaeontologist
	Spring Electricity Circulatory System	series circuit, circuit symbols, current, voltage, complete circuit, incomplete circuit circulatory system, blood, heart, blood vessels, circulate, veins, arteries, capillaries, nutrients, oxygen, carbon-dioxide, plasma, white blood cells, red blood cells, lungs, platelets, clot, chambers, atria/atrium, ventricles, valves, pump, oxygenated blood, deoxygenated blood
	Summer Diet, Drugs and Lifestyle Light	balanced diet, unsaturated fat, saturated fat, trans fat, drug, legal, illegal, painkiller, stimulant, depressant, cigarette, tar, nicotine, vape, addiction, carbon monoxide, heart rate, pulse, beats per minute (bpm), duration luminous, non-luminous, pupil, iris, lens, retina, dilate, optic nerve, light rays, angle, ray diagram, reflection, periscope, silhouette, solar eclipse, medium, refraction, substance, prism, rainbow, spectrum
	Working scientifically	microscope, theory, accuracy, scatter diagram, justify, periscope