Science Vocabulary Progression

	Term and Topic	Vocabulary
EYFS	**0-3**	Rough, smooth, bumpy, shiny cone, conker, leaves, twig, bark seed, grow, plant worm, woodlouse, spider, ladybird, Marie Curie
	3-4	Farmer, cow, sheep, lamb, chicken, duck, rabbits, goat, pig. Similarities and differences, magnifying glasses, change, decay, egg, crack, chicken, Cooling, heating, melting, thawing forces, water – float and sink Light, shadow, dark, transparent, opaque Magnets, attract, repel, metal, non-metal Sound, vibration Albert Einstein
	Reception	Mini-beast, butterfly, caterpillar, chrysalis, egg bee, centipede, fly, wasp, hoverfly Charles Darwin

Science Vocabulary Progression

Year 1	**Autumn** Animals including Humans (Biology) Seasons - Autumn / Winter (Physics)	Mammals, amphibians, reptiles, carnivores, herbivores, omnivores, backbone, cold-blooded, environment, gills, nocturnal, head, neck, arm, elbow, leg, knee, face, ear, eye, hair, mouth, teeth, feet, sense, vertebrates, invertebrates Autumn, winter, season, month, weather, temperature, deciduous, day, length, freeze, daylight, frost, sleet, sunrise, sunset
	Spring Everyday materials (Chemistry) Seasons - Winter / Spring	Material, wood, plastic, glass, metal, water, rock, hard, soft, stretchy, stiff, shiny, dull, rough, smooth, bendy, waterproof, absorbent, opaque, transparent, brick, paper, fabric, elastic, foil, rubber Precipitation, hale, cloud, rainbow, day, length, shoots
	Summer Plants (Biology) Seasons (Spring / Summer)	Leaves, flowers, blossom, petals, fruit, roots, bulbs, seeds, trunk, branches, stem, deciduous, evergreen, growing, vegetables, herb Sun, temperature, heatwave, sunrise, sunset, drought

Science Vocabulary Progression

Year 2	**Autumn** Animals including Humans (Biology)	Offspring, vertebrates, invertebrates, survival, exercise, hygiene, balanced diet, nutrition, carbohydrate, fat, sugar, protein, dairy, water, diet, organ, muscle, reproduction, growth, spawn, chick, baby, toddler, child, teenager, adult, pupa
	Spring Uses of everyday materials (Chemistry)	Wood, metal, plastic, glass, brick, rock, paper, cardboard, squashing, bending, twisting, stretching, solid, properties, suitable, unsuitable, purpose, compare
	Summer Plants (Biology)	Seeds, bulbs, mature, temperature, suitable, germination, reproduction, branch, common, healthy, nutrients, petal, plant, root, shoot, stem, weed
	Living things and their habitats (Biology)	Characteristics, depend, life process, food chain, living, dead, never alive, habitat, micro-habitat, healthy, logs, leaves, bushes, shelter, seashore, woodland, ocean, rainforest, desert, conditions, hot, warm, cold, dry, damp, wet, bright, shade, dark

Science Vocabulary Progression

Year 3	**Autumn** Rocks and soils (Chemistry)	Appearance, physical, properties, fossils, trapped, organic matter, grains, crystals, microscope, sedimentary soils, absorb, natural, bedrock, decaying, palaeontology, igneous, permeable, impermeable, imprint, porous, magma, prehistoric, manmade, preserve, metamorphic, pressure, mineral, rock, molten, sediment, volcano, weathered
	Forces and Magnets (Physics)	Attract, repel, position, friction, gravity, resistance, magnet, magnetic field, surface, motion, twist, non-magnetic, opposite, force, magnetic, materials, poles, direct contact
	Spring Animals, Including humans (Biology)	Balanced, diet, backbone, nutrients, bones, nutrition, organs, diet, protect, disease, relax, contract, energy, skeleton, endoskeleton, exoskeleton, starchy, support, healthy, tendons, surface, hygiene, joints, vertebrate, invertebrate, function
	Summer Light (Physics)	Light, light-source, dark, reflect, reflective, shadow, opaque, protection, mirror
	Plants (Biology)	Absorb, anther, branches, carbon dioxide, climate zone, common, deciduous, dispersed, dissect, evergreen, fertilisation, fertiliser, flower, flowering, fruit, function, garden, germination, healthy, nutrients, ovule, oxygen, petal, plant, pollen, pollination, roots, seed, stem, stigma, structure, temperature, wild, mature, life cycle

Science Vocabulary Progression

Year 4	**Autumn** States of Matter (Physics)	Solid, liquid, gas, heated, cooled, temperature, degrees Celsius, evaporation, condensation, water cycle, states of matter, freezing point, melting, particles, precipitation, process, properties, vibration, water vapour
	Spring Electricity (Physics) Animals, including humans (Biology)	Appliances, battery, fuel, generator, bulb, insulator, buzzer, mains, cell, motor, circuit, power, component, source, current, switch, device, wires, electricity, energy, conductor, series Absorb, intestines, decay, digestion, oesophagus, enamel, excretion, faeces, molar, plaque, premolar, incisor, ingested, saliva, organ, food chain, predator, prey, function
	Summer Sound (Physics) Living things and their habitats (Biology)	Vibration, travel, ear(drum), pitch, volume, strength, produced, fainter, sound, source, insulation, muffle, absorb, amplitude, decibel, distance, particles, sound wave, vacuum Classification, group, environment, danger, habitat, vertebrate, invertebrate, Mammals, fish, amphibians, reptiles, birds, non-flowering, carnivore, herbivore, omnivore, excretion, micro-habitat, minibeast, nutrition, organism, reproduce, urban

Science Vocabulary Progression

Year 5	**Autumn** Forces (Physics)	Attract, repel, friction, force, gear, gravity, lever, motion, opposite, pulley, resistance, spring, streamlined, surface, mechanisms, Gallileo, Newton
	Earth and Space (Physics)	Asteroid, axis, comet, planet, shadow, solar system, galaxy, sphere, leap, year, spin, star, time zones, meteorite, universe, orbit, moon, phases, rotate, celestial star
	Spring Properties and changing materials (Chemistry)	Circuit, condensation, conductor, dissolve electricity evaporation filtering flexible gas insoluble insulator irreversible liquid magnetic melting permeable process properties rate reversible solid soluble solution state temperature thermal transparent variable hardness substance separate sieving (Spencer Silver / Ruth Benerito)
	Summer Living things and their habitats (Biology)	Life-cycle, changes, naturalists, behaviourists, asexual, reproduction, fertilise, classification (key), pollination, sexual reproduction, environment, metamorphosis, Jane Goodall
	Animals, including humans(Biology)	Life-cycle, puberty, development, gestation, adolescence, adult, child, foetus, reproduction, life-expectancy

Science Vocabulary Progression

Year 6	**Autumn** Living things and their habitats (Biology) Light (Physics)	Characteristics, micro-organisms, classification, sub division, Carl Linnaeus, vertebrate, invertebrate, mammals, fish, amphibians, reptiles, birds, non-flowering, carnivore, herbivore, light, opaque, reflects, refract, prism, spectrum, shadows, light source, angle, dim, emits, opaque, translucent, transparent, absorption, dispersion
	Spring Animals including humans (Biology) Electricity (Physics)	Blood vessel, nutrient, circulatory system, substance, aorta, atrium, oxygenated, pulse, respiration, capillaries, veins, vena cava, circulatory system, ventilation, ventricle, heart, Brightness, component, symbol, circuit, ammeter, fuel, mains, resistor, resistance, current, voltage, device
	Summer Evolution and inheritance (Biology)	Inhabit, offspring, identical, environment, identical, evolution, inheritance, variation, maladaptation, ancestor, mutation, biodiversity, natural selection, breeding, characteristics, reproduction, Mary Anning, Charles Darwin, Alfred Wallace