

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS Nursery	Animals Model and encourage children to use vocabulary such as: - 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, jump, fly, patterns, spots, stripes Expose children to supplementary vocabulary such as: - life cycle, mane, webbed feet Humans Model and encourage children to use vocabulary such as: - grow, change, baby, toddler, child, adult, old person, smell, taste, touch, feel, hear, see, blind, deaf Expose children to supplementary vocabulary such as: - life cycle, senses, elderly, die (if appropriate) Living Things & their habitats Model and encourage children to use vocabulary such as: - natural, plant, animal, leaves, seeds, conkers, acorns, twigs, bark, shells, feathers, pebbles, stones, same, different, pattern Expose children to supplementary vocabulary such as: - living, dead, similar Plants Model and encourage children to use vocabulary such as: - plant, leaf, stem, trunk, branch, root, bark, flower, petal, seed, berry, fruit, vegetable, bulb, plant, hole, dig, water, weed, grow, shoot, die, dead, soil Expose children to supplementary vocabulary such as: - seedling, healthy, unhealthy, strong, sturdy, wilting, decay, mould, life cycle Materials Model and encourage children to use vocabulary such as: - mix, stir, cook, hot, oven, microwave, change, burn, melt, hard, runny, set, freeze, freezer, cold, blended, hard, soft, bendy, stiff, wobbly, wood, plastic, paper, card, fabric Expose children to supplementary vocabulary such as: - solid, liquid, rigid, stronger, weaker Seasonal Changes Model and encourage children to use vocabulary such as: - 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 Expose children to supplementary vocabulary such as:					

	- hibernate, migrate, snowflake Light Model and encourage children to use vocabulary such as: - light, torch, bulb, lamp, spotlight, shiny, bright, brighter, brightest, Sun, shine, glow, mirror Expose children to supplementary vocabulary such as: - light source, reflective, non-reflective, dim, dimmer, dimmest Forces Model and encourage children to use vocabulary such as: - object, float, sink, water, up, down, top, bottom, push, pull, magnet, spring, squash, bend, twist, stretch, turn, spin, smooth, rough, fast, slow Expose children to supplementary vocabulary such as: - rising, falling, attract, repel, faster, slower, pulley, gear, elastic
EYFS Reception	Animals Model and encourage children to use vocabulary such as: - names of animals, live, on land, in water, jungle, desert, North Pole, South Pole, sea, hot, cold, wet, dry, snow, ice Expose children to supplementary vocabulary such as: - environment, polar regions, ocean, camouflage Humans Model and encourage children to use vocabulary such as: - hair (black, brown, dark, light, blonde, ginger, grey, white, long, short, straight, curly), eyes (blue, brown, green, grey), skin (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 Expose children to supplementary vocabulary such as: - bald, elderly, wrinkles, male, female, freckles Living Things & their habitats Model and encourage children to use vocabulary such as: - plant, tree, bush, flower, vegetable, herb, weed, animal, names of plants and animals they see, name of a contrasting environment e.g. beach, forest Expose children to supplementary vocabulary such as: - environment Materials Model and encourage children to use vocabulary such as: - 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 Expose children to supplementary vocabulary such as: - solid, liquid, gas, most suited Seasonal Changes Model and encourage children to use vocabulary such as:

	- 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 Expose children to supplementary vocabulary such as: - hibernate, migrate, snowflake Forces Model and encourage children to use vocabulary such as: - float, sink, up, down, top, bottom, surface, move, roll, drop, fly, turn, spin, fall, fast, slow, faster, slower, fastest, slowest, further, furthest, wind, air, water, blow, bounce Expose children to supplementary vocabulary such as: - force, rotate, solid, liquid, gravity				
Year 1	Everyday Materials 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	Animals inc Humans Head, neck, body, eyes, ears, mouth, foot, thumb, nose, knee, toe, elbow shoulder, hand, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves, senses, touch, see, smell, taste, hear, fingers (skin), tongue, amphibian, bird, fish, mammals, reptiles, carnivores, herbivores, omnivore		Plants Leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud, deciduous, evergreen	
	Seasonal Changes Weather (sunny, rainy, windy, snowy etc.), seasons (Winter, Summer, Spring, Autumn), sun, sunrise, sunset, day length, monsoon, thunder storm				
	Working Scientifically Questions, answers, equipment, gather, measure, record, results, sort, group, test, explore, observe, compare, describe, similar/ities, different/ces, beaker, pipette, syringe				
Year 2	Use of Everyday Materials Names of materials – increased range from year 1 Properties of materials - as for year 1 plus opaque, transparent and translucent, reflective, non-reflective, flexible, rigid, shape, push/pushing, pull/puling, twist/twisting, squash/squashing. Bend/bending, stretch/stretching	Living Things & their Habitats Living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed, names of local habitats e.g. pond, woodland etc., names of micro-habitats e.g. under logs, in bushes etc.	Plants As for year 1 plus - light, shade, sun, warm, cool, water, grow, healthy, germinate	Animals inc Humans Offspring, reproduction, growth, child, young/old stages (examples - chick/hen, baby / child / adult, caterpillar / butterfly), exercise, heartbeat, breathing, hygiene, germs, disease, food types (examples – meat, fish, vegetables, bread, rice, pasta	
	Working Scientifically Previous vocab plus observe changes over time, notice patterns, secondary sources, magnifying glass, egg timers, identify, classify, data				
Year 3	Animals inc Humans Nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, support, protect, move, skull, ribs, spine, muscles, joints	Rocks Rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorb water,	Forces & Magnets Force, push, pull, twist, contact force, non-contact force, magnetic force, magnet, strength,	Plants Photosynthesis, pollen, insect/wind pollination, seed formation, seed dispersal – wind	Light Light, light source, dark, absence of light, transparent, translucent, opaque, shiny, matt,

			soil, fossil, marble, chalk, granite, sandstone, slate, soil, peat, sandy/chalk/clay soil	bar magnet, ring magnet, button magnet, horseshoe magnet, attract, repel, magnetic material, metal, iron, steel, poles, north pole, south pole	dispersal, animal dispersal, water dispersal, air, light, water, nutrients, soil, reproduction, transportation, flower, energy	surface, shadow, reflect, mirror, sunlight, dangerous
	Working Scientifically Previous vocab plus scientific enquiry changes over time, notice patterns, secondary sources, comparative tests, fair tests, careful, accurate, observations, equipment, gather, measure, record, data, evidence, results, keys, bar charts, table, results, conclusions, predictions, support, thermometers					
Year 4	Animals inc Humans Digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, nutrients, large intestine, rectum, anus, teeth, incisor, canine, molar, premolars, herbivore, carnivore, omnivore, producer, predator, prey, food chain	Sound Sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, loud, insulation	States of Matter Solid, liquid, gas, state change, melting, freezing, melting point, boiling point, evaporation, temperature, water cycle	Living Things & their Habitats Classification, classification keys, environment, habitat, human impact, positive, negative, migrate, hibernate	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	
	Working Scientifically Previous vocab plus enquiry types increase, decrease, identify, classify, order, notice patterns, relationships, appearance, present results, data loggers					
Year 5	Forces Force, gravity, Earth, air resistance, water resistance, friction, mechanisms, simple machines, levers, pulleys, gears	Earth & Space Earth, Sun, Moon, (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune) spherical, solar system, rotates, star, orbit, planets		Animals inc Humans Growth, development, puberty, ageing, womb, gestation, embryo, foetus, baby, toddler, teenager, adult, elderly	Properties & Changes of Materials Thermal / electrical insulator / conductor, change of state, mixture, dissolve, solution, soluble, insoluble, filter, sieve reversible/non-reversible change, burning, rusting, new material	Living Things & their Habitats Life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis, asexual, plantlets, runners, bulbs, cuttings
	Working Scientifically Previous vocab plus, notice patterns, relationships, independent variable, dependent variable, controlled variable, accuracy, precision, degree of trust, classification keys, scatter graphs, line graphs, causal relationships, support/refute, data loggers					
Year 6	Living Things & their Habitats Vertebrates, fish, amphibians, reptiles,	Animals inc Humans Heart, pulse, rate, pumps, blood, blood vessels, transported,	Evolution & Inheritance Offspring, sexual reproduction, vary,	Light As for year 3 plus straight lines, light rays.	Electricity Circuit, complete circuit, circuit diagram, circuit symbol, cell, battery, bulb, buzzer, motor, switch, voltage - NB Children do not need to understand	

	birds, mammals, invertebrates, insects, spiders, snails, worms, flowering and non- flowering	lungs, oxygen, carbon dioxide, nutrients, water, muscles, cycle, circulatory system, diet, exercise, drugs and lifestyle	characteristics, suited, adapted, environment, inherited, species, fossils		what voltage is but will use volts and voltage to describe different batteries. The words cells and batteries are now used interchangeably
	Working Scientifically Previous vocab plus opinion/fact, confidently name scientific enquiry types				