

Science Vocabulary Progression

Adapted from Grammarsaurus

	Nur	Rec	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Animals including humans	Head, nose, eyes, chin, cheek, hands, toes, ears, teeth, senses, germs. farm animals, zoo animals, pets, mammals, insects, simple life cycles, hair, fur, scales, trunk (recap body parts)	Muscle, skeleton, nostril, ankle, wrist, waist, shoulders, elbow, five senses, gums cavities, germs Life cycle, mammal, insect, fish, fur scales snout hooves, young, puppy, kitten, kid, foal. Nutrition, healthy, unhealthy, exercise water, vitamin heart rate	senses: hear, smell, touch, taste, see animals: beak, wing, paw, feathers, claw, talons main body parts: head, neck, arms, elbows, legs, knees, face, ears, hair, mouth, teeth, abdomen, chest, shoulders, toes classification: herbivore, carnivore, omnivore, mammal, living, bird, fish, reptile, amphibian movement: fly, swim, crawl, run	animals, plants senses health: illness, medicine, exercise, hygiene, healthy, diet, fit, nutrition, unhealthy diet life processes: survive, living, movement, respiration, growth, basic needs, reproduction, excretion, life process life cycles: offspring, life cycle, baby, child, teenager, adult, elderly	skeletal system: skeleton, muscle, bone, skull, ribs, spinal column, backbone, joints, sockets, femur, collarbone, humerus, ulna, radius, hip, pelvis, fibula, tibia, kneecap, shoulder blade, movement, support, protection, contract, relax classification: vertebrates, invertebrates, insects, minibests, mammals, reptiles, fish, birds, amphibians nutrition: food, growth, healthy, unhealthy, nutrition, exercise, balanced diet, sugar, fruit, vegetables, protein, carbohydrates, fat, dairy, vitamins, minerals	teeth: canines, incisor, molars, premolars diet/digestion: carnivore, herbivore, omnivore, digestion, large intestines, oesophagus, peristalsis, predator, prey, producer, saliva, small intestines, stomach	reproduction/stages of life: baby, toddler, child, teenager, adult, senior, death, puberty, fertilise, egg, sperm, conception, foetus, womb, birth, develop, grow, change	circulatory system: heart, heartbeat/heart rate, pulse, muscle, blood vessel, lungs, oxygen, oxygenated blood, deoxygenated blood, circulate, vein, artery diet: diet, exercise, unhealthy, harmful, healthy, nutrients, water, transport, hygiene, smoking, alcohol, overweight

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Nursery		Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Plants	Water soil, sunlight, Roots, stem, flower, leaf, seed, sun, water, soil.	seed, stem, root, leaf, petal, growth, waterproof, strong, weak	plant, root, grow, branch, deciduous, evergreen, tree, flower, leaf, seed, stem, soil, trunk, to plant, to water types of plants: tree, daisy, birch, dandelion, fir tree, buttercup, wild plant, pine tree, fruit, flower, nettle, oak tree, holly, vegetable, weed, sycamore tree	compost, sunlight, temperature, plant, tree, deciduous, evergreen parts of a plant: flower, roots, stem leaf, bulb, seed, seedling	vegetable, plant reproduction: pollen, pollination, pollinators, formation, dispersal, reproduce parts of a plant: root, branch, seed, flower, leaf, seedling, stem, bulb, fruit, flower, blossom, trunk needs of a plant: compost, nutrients, grow, air, light, soil			
Living things and habitats				alive, conditions, adapted, animals, plants, living, dead, survive, basic needs, life process, food chain classification: carnivore, herbivore, omnivore habitats: woodland forest, jungle, polar region, desert, mountain, habitat, microhabitat		adaptation, pollution, habitats, environment, environmental change, classification: exoskeleton, carnivore, herbivore, omnivore, mammal, reptile, bird, amphibian, key, classify, vertebrate, invertebrate, pigeon, eagle, gull, minibeast, insect life processes: movement, respiration, growth, reproduction, excretion,	classification: mammal, reptile, bird, fish, amphibian, insect life processes: nutrition, movement, respiration, reproduction, excretion, growth, sensitivity life cycles: egg, life cycle, womb, fertilisation, pollination, pollen, stamen, pistil, seed dispersal	characteristics, classify, environment, compare, features, classification key, key, flowering plant, non-flowering plant classification: vertebrate, invertebrate, exoskeleton, vascular, non-vascular, taxonomy, herbivore, carnivore, omnivore, mammal, reptile, amphibian, bird, pigeon, eagle, seagull, fish microorganisms: microorganism, bacteria, virus, fungi

						nutrition, sensitivity		
Evolution								Evolution: environment, gene, natural selection, organism, evolution, change over time, species, population, features, trait, inherited, characteristics, reproduce, offspring, variation, mutation, survive, survival of the fittest, adaptation

Chemistry

Nursery		Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Materials	Material, metal wood glass paper stone rough smooth, shiny hard,	waterproof, strong, weak	properties: fragile, heavy, light, hard, soft, smooth, rough, squidgy, waterproof, strong, weak, bumpy, stretchy, see- through, breakable materials: plastic, wood, rubber, fabric, metal, brick, rock, glass, paper, material, cotton, wool, fleece	properties: fragile, heavy, light, hard, soft, smooth, rough, squidgy, waterproof, strong, weak, bumpy, stretchy, see-through, breakable materials: plastic, wood, rubber, fabric, metal, brick, rock, glass, paper, material, cotton, wool, fleece			change, reversible, irreversible, saturation, insulation states of matter: solid, liquid, gas properties: flexible, soluble, insoluble, durable, thermal, magnets, magnetic, permeable, absorbant processes: dissolving, evaporating, sieving, filtration, heat, boiling, condensing, evaporation, freezing, melting, chemical change, physical change	
Rocks					rocks, soils, stone, pebbles types of rock: slate, marble, chalk, granite, sandstone, clay properties: hard, soft, permeable, appearance, physical properties, acid rock formation: sedimentary, metamorphic, igneous, magma, bedrock, fossil			

States of matter	melting and freezing.	liquid, soid, melt, dissolve,				property, compare, particle, thermometer, research, change, degrees Celsius, observe		
		Decay mould heat melt freeze solid, liquid, gas				states of matter: solid, liquid, gas, state of matter, carbon dioxide, oxygen, helium, natural gas, air processes: solidify, heat, measure, condensation, boiling, cool, condense, evaporation, evaporate, melt/melting, freeze/freezing water cycle: water cycle, run-off, precipitation, collection, condensation, evaporation, droplet		

Physics

Nursery		Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Force and magnets	Sinking and floating, push and pull, press roll, twist,				contact, non-contact, iron, force, pull, push, magnet, poles, attract, repel, magnetic, non-magnetic, metal, stronger, weaker, movement, bigger, smaller force		, gear, lever, pull, newton meter, surface area, push, pull, movement, grip, contact, streamlined types of force: repel, upthrust/buoyancy, friction, air resistance, gravity, drag	
Electricity						appliance, battery, conductor, circuit, components, current, electrical, insulator, mains power, portable, pylon, switch		appliance, battery, conductor, circuit, components, current, electrical, insulator, mains power, pylon, renewable energy, non-renewable energy

Light					dark, absence of light, luminous, travel, reflection, reflect, shadow, see, eyes, mirror, direction, straight lines light source: torch, sunlight, light source properties: opaque, translucent, transparent, reflective, block			dark, absence of light, luminous scattering, absorption, refraction, travel, direction, straight lines, bend, reflective, mirror, reflection, reflect, block, shadow, cast rainbow, colours see, eyes light source: torch, light beam, Sun, light, light source, light ray properties: opaque, translucent, transparent
sound						vibrate, vibration, travel, sound, source, tension, particle, air parts of the ear: pinna, cochlea, eardrum, ear volume: quiet, loud, soft, loudness, volume, muffle, faint, noise pitch: pitch, high, low		

Seasonal Change		Hibernation, nocturnal, seasonal, changes, light, dark, reflect, autumn, winter, summer spring	autumn, spring, winter, summer, seasons, grow, new life, year, change, tree, plant, shadow weather types: sun, snow, rain, hail, wind temperature: cold, hot, warm					
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Earth and Space							day, month, year, gravity, shadow, time zones, revolve, orbit, spin, rotate, axis, reflect solar system: Neptune, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Earth, Sun, Moon, planet, star, space, solar system phases of the Moon: waning gibbous, waxing gibbous, waxing crescent, waning crescent, last quarter, full Moon, first quarter, new Moon	
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