



## PROGRESSION OF VOCABULARY IN SCIENCE (EYFS – YEAR 6)

### ‘ROCKET WORDS’ FOR SCIENCE CURRICULUM AREAS

#### ANIMALS INCLUDING HUMANS (HUMANS)

Year Group	Vocabulary
EYFS	senses, eyes, sight, taste, touch, senses, hearing, sight, sound, yellow, smell, touch, taste, orange, slice, taste, senses, colour, sight, taste buds, arm, leg, chest, jump, move, hand, finger, feet, walk, run, eyes, nose, face, blink, colour, ears, mouth, hair, eyebrows, teeth, baby, food, grow, hair, teeth, freckles, gene, sibling, different, unique, trust, uncomfortable, police officer, stranger danger, stranger, 999, burn, cut, first aid, plaster, diet, exercise, tooth, healthy, fuel
Year 1	head, body, skeleton, limb, joint, brain, eyelash, eye, sight, pupil, sound, ear, sign language, vibration, deafness, tongue, mouth, taste, flavour, sweet, touch, fingertips, skin, organ, brain, smell, odour, nose, nostril, nose hair
Year 2	survival, shelter, nutrition, oxygen, essential, vital, non-essential, survive, grow, healthy, protein, carbohydrate, dairy, vitamins, calcium, fat, balanced diet, nutrients, fresh food, pre-cooked, processed food, exercise, strength, flexibility, balance, coordination, hygiene, prevent, germs, bacteria, virus, life cycle, grow, survive, independent, adult, foetus, womb, helpless, toddler, develop
Year 3	nutrition, carbohydrate, protein, vitamin, mineral, nutrition label, portion, energy, balanced, diet, vertebrate, invertebrate, endoskeleton, exoskeleton, hydrostatic skeleton, humerus, ulna, radius, tibia, fibular, endoskeleton, vertebrate, skull, rib cage, spine, muscle, contract, hamstrings, biceps, diaphragm
Year 4	digestive system, oesophagus, stomach, small intestine, large intestine, saliva, peristalsis, absorb, liver, gall bladder, incisors, canines, molars, jaw, gum, enamel, plaque, tooth decay, cavity, fluoride
Year 5	foetus, dependent, adolescent, puberty, reproduce, gestation, pregnant, duration, extreme, breeding, womb, umbilical chord, embryo, trimester, midwife, growth spurt, childhood, motor skills, milk teeth, constant, adolescence, puberty, hormones, mood swing, develop, lifestyle, keratin, elasticity, cataracts, neurodegenerative
Year 6	circulatory system, atrium, ventricle, vessel, valves, vessel, artery, vein, capillary, microscope, blood, plasma, platelet, white blood cell, red blood cell, absorb, diffusion, osmosis, concentration, nutrients, diet, exercise, heart rate, BPM, pulse, drug, painkiller, stimulant, depressant, hallucinogens

#### ANIMALS INCLUDING HUMANS (ANIMALS)

Year Group	Vocabulary
EYFS	fly, beetle, insect, ant, invertebrate, ladybird, spider, snail, honey, worm, sap, habitat, greenfly, food, toast, chicken, egg, lay, fox, chick, cow, milk, cream, cheese, butter, living, tree, adult, non living, young, pet, ocean, habitat, desert, farm, bird, nest, build, mud, grass, pig, horse, cow, goat, chicken, dinosaur, lizard, meteorite, museum, reptile
Year 1	fish, amphibian, reptile, mammal, bird, feather, warm-blooded, characteristic, backbone, hatchling, amphibian, reptile, gills, scale, cold-blooded, herbivore, carnivore, omnivore, predator, canines, pet, wild, shelter, veterinary, natural, similarities, differences, compare, unsuitable, climate
Year 2	offspring, inherit, gene, resemble, differences, reproduction, hatchling, chick, bar chart, predict, caterpillar, transformation, larva, chrysalis, metamorphosis, frog, amphibian, frogspawn, tadpole, froglet
Year 3	
Year 4	ecosystem, producer, consumer, prey, predator, food web, tundra, hide, interdependence, threatened
Year 5	
Year 6	



## PROGRESSION OF VOCABULARY IN SCIENCE (EYFS – YEAR 6)

### ‘ROCKET WORDS’ FOR SCIENCE CURRICULUM AREAS

#### PLANTS

Year Group	Vocabulary
EYFS	plant, seed, nutrients, soil, water, plant, soil, seed, stem, pink, sunlight, compost heap, weeds, garden, roots
Year 1	seed, plant, tree, soil, predict, stem, petal, leaf, root, flower, environment, weed, daisy, dandelion, wild, deciduous, evergreen, seasons, branch, bush, supermarket, fruit, vegetable, farm, tractor, growth, seedling, young plant, adult plant, observe,
Year 2	seeds, bulbs, growth, plant, compare, predict, investigate, control, experiment, method, photosynthesis, carbon dioxide, oxygen, glucose, energy, pollination, life cycle, germination, reproduction, seedling, manure, crop, insulate, thrive, healthy, forest, desert, adapt, condition, survive
Year 3	nutrients, fertiliser, nursery, potassium, stunted, chlorophyll, stomata, xylem, photosynthesis, UV light, xylem, phloem, absorb, stomata, transpiration, anther, stigma, style, filament, reproduction, pollination, pollen, nectar, seed dispersal, pollinator, germination, vulnerable, anchor, sapling, formation
Year 4	
Year 5	
Year 6	

#### EARTH AND SPACE

#### TOPIC – SPACE, ROCKS, SEASONAL CHANGES, CONSERVATION, ENVIRONMENT


Year Group	Vocabulary
EYFS	rain, ice, rainforest, cloud, river, wind, movement, air, rise, sail, snowflake, melt, snowman, cool, cold, rainbow, raindrop, yellow, arc, blue, Spring, Summer, warm, bird, Sun, Autumn, Winter, snow, bark, season, planet, Solar System, gas planet, rocky planet, Sun, firework, launch, rocket, travel, Space, pancakes, lemon, scales, sugar, fry, noodles, wheat, flour, grain, bread, vegetable, cabbage, cauliflower, celery, radish, apple, orange, pear, strawberry, fruit
Year 1	season, spring, summer, autumn, winter, autumn, hibernate, weather, protect, harvest, winter, weather, frost, sleet, temperature, spring, compare, changes, grow, chick, summer, warm, sun protection, temperature, heatwave, rainfall, measuring, record, results, graph
Year 2	
Year 3	igneous rocks, intrusive igneous rock, extrusive igneous rock, crystals, magma, sedimentary rock, metamorphic rock, limestone, marble, sandstone, weathering, chemical weathering, physical weathering, biological weathering, acid rain, appearance, texture, submerged, erosion, receding, fossil, extinct, sediment, embedded, amber, decompose, fragments, clay soil, chalky soil, sandy soil
Year 4	ecosystem, Northern Hemisphere, Southern Hemisphere, migrate, monsoon, rainforest, deforestation, drought, biodiversity, recycling, fossil fuels, pollution, greenhouse gases, emissions, climate change, chemicals, sewage, contaminate, pesticides, water treatment, plant, conserve, drought, freshwater, pure, water butt, endangered, marine sanctuaries, protect, conservation areas, recycling
Year 5	terrestrial planet, gas giant planets, Solar System, spherical, orbit, astronomy, heliocentric, geocentric, dwarf planet, orbit, axis, poles, season, hemisphere, orbit, sundial, time zone, gnomon, dial, shadow, moon phase, waxing, waning, eclipse, rocky planet, gas planet, moon, orbit, solar system
Year 6	weather, climate, prevent, global warming, climate change, recycle, landfill, rubbish, biodegrade, council, net zero, renewable, non-renewable, greenhouse gases, emissions, industrial revolution, fossil fuel, coal, combustion, fuel, COP, sustainability, conference, pledge, subsidy, species, sensitive, natural disaster, habitat, vulnerable



## PROGRESSION OF VOCABULARY IN SCIENCE (EYFS – YEAR 6)


### ‘ROCKET WORDS’ FOR SCIENCE CURRICULUM AREAS

#### MATERIALS AND CHEMICALS, STATES OF MATTER, SCIENCE ENQUIRY

Year Group	Vocabulary 
EYFS	non-living, car, toy, bike, scooter, change, solid, liquid, pan, metal, melt, freeze, cold, set, mould, sheep, fleece, shear, wool, ball, bucket, sand, sandcastle, sculpture, shovel, house, flat, semi-detached, terraced, radiator
Year 1	material, fabric, wood, plastic, metal, object, glass, property, brick, elastic, property, opaque, transparent, dull, stiff, natural, man made, factory, rubber, polyester, predict, float, sink, submerge, buoyant, absorbent, sponge, waterproof, umbrella, soak, solid, strong, brick, clay, wind, waterproof, absorbent, non-absorbent, roof, slate, transparent, opaque, suitable, window pane, window frame, fabric, furniture, cotton, mattress, soft, wool, weather, jumper, suitable, waterproof, evaluate, material, properties, tile, garden
Year 2	material, property, suitable, object, brick, bridge, triangle, obstacle, structure, construction, stretchy, elastic, floppy, hinder, limit, bend, twist, squash, stretch, force, mackintosh, protective, fluorescent, safety, waterproof, John McAdam, merchant, bound, highway, road
Year 3	solar, renewable energy, scientific, investigation, prediction, plausible, record, results, data, table, graph, acid, alkali, PH, method, practical, conclusion, evidence, explanation, compare, enquiry, baking, measurements, fair test, control experiment, variable, conclusive, scientific knowledge, equipment, diagram, collated
Year 4	matter, solid, liquid, gas, volume, particle, bond, arranged, cooled, heated, particle, melting, melting point, temperatre, thermometer, freezing, reverse, boiling, sublimation, deposition, evaporation, condensation, absorb, water vapour, process, water cycle, precipitation, surface runoff, transpiration, groundwater
Year 5	Conductive, magnetic, durable, transparent, versatile, thermal, conduction, molecules, degrees Celsius (°C), insulator, hardness, force, iron, steel, stone, dissolve, solute, insoluble, soluble, solvent, solute, solvent, solution, substance, saturation, pure substance, mixture, filtering, sieving, evaporation, pure substance, solute, solvent, solution, evaporate, reversible, mixture, physical change, melting, evaporate, irreversible, chemical change, compare, effervescence, product, fair test, variable, control carriage, corrosion, rusting, combustion, fuel, oxygen, extinguish, smother, reaction, predict, acid, bicarbonate of soda, carbon dioxide
Year 6	

#### LIVING THINGS

#### HABITATS, LIFE CYCLES, CLASSIFICATION, EVOLUTION

Year Group	Vocabulary 
EYFS	
Year 1	
Year 2	senses, nutrition, reproduce, excrete, respire, habitat, microhabitat, fungi, survive, shelter, antennae, suitable, condition, colony, insect, producer, consumer, herbivore, carnivore, omnivore, food chain, life cycle, nutrients, rot, caterpillar, automated, frozen food, forklift truck, refrigerated lorry, canned, habitat, microhabitat, organism, environment, mate, rainforest, moisture, extinct, climate, endangered, biodiversity, deforestation, poaching, pollution, rainforest, plankton, ocean, ecosystem, coral reef, trench, Antarctic, Arctic, caribou, narwhal, tundra, earthworm, desert, lizard, cactus, pond
Year 3	
Year 4	habitat, microhabitat, conditions, adapted, camouflage, coastal, grassland, environment, climate, exposure, classify, characteristics, vertebrate, species, sub-groups, identify, criteria, classification keys, organism, adapted, region, features, colouring, blubber, ecosystem, oxygenised, flowering plant, non-flowering, plant, pond dipping
Year 5	reproduction, asexual, fertilisation, tuber, genes, pouch, mammary glands, placental mammal, monotreme mammal, marsupial, metamorphosis, caterpillar, amphibian, larva, pupa, egg, fledgling, egg tooth, hatch, embryo, documentary, naturalist, primatologist, endangered, natural sciences, living organism, reproduction, life cycle, vertebrate, warm-blooded
Year 6	classify, microorganism, fern, living organism, conifer, kingdom, mrs gren, cell, multicellular, unicellular, Carl Linnaeus, classification, Latin, species, domain, microorganism, bacteria, fungi, virus, protozoa, plant, microscopic, fungi, mycelium, ecosystem, classify, microorganism, living organism, habitat, reproduction, offspring, characteristic, inherit, variation, environmental, adaptation, habitat, climate, nutrition, feature, nutrients, epiphytes, toxic, predators, pollinate, fossil, Mary Anning, Palaeontologist, ichthyosaurus, Jurassic coast, Charles Darwin, evolved, extinct, natural selection, theory, ancestor, tools, primate, Homo sapien, Neanderthal




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### ‘ROCKET WORDS’ FOR SCIENCE CURRICULUM AREAS

#### ENERGY

#### FORCES, MAGNETS, ELECTRICITY

Year Group	Vocabulary 
EYFS	gear, lever, mechanism, pulley, wheel and axle, crane, machine, trolley, wheel, wheelbarrow, car, bus, transport, bicycle, aeroplane, danger, electricity, energy, rule, safe, push, pull, press, suck, swing, sink, sea, float, boat, force
Year 1	
Year 2	
Year 3	force, contact force, non-contact forces, air resistance, friction, motion, surface, resistance, texture, tilt, magnet, attract, repel, bar magnet, horseshoe magnet, magnetism, magnetic, magnetic field, iron, steel, non-contact forces, magnetism, attract, non-magnetic materials, recycle, compass, magnetic needle, magnetic north, direction, orienteering
Year 4	electricity, batteries, mains electricity, appliance, socket, circuit, series circuit, component, cell, voltage, current, power, battery, wire, bulb, conductor, insulator, metal, copper, rubber, switch, current, control, complete circuit, incomplete circuit, non-renewable energy, renewable energy, wind turbines, solar panels, hydropower
Year 5	Sir Isaac Newton, gravity, astronomy, weight, mass, Galileo Galilei, air resistance, opposing, streamlined, upthrust, buoyant, sink, friction, resistance, lubricant, Newton meter, Newton, lever, load, pivot, fulcrum, pulley, mechanism, gear, mesh, rack and pinion, bevel gear,
Year 6	symbol, circuit, circuit diagram, battery, wires, electricity, current, voltage, voltmeter, brightness, blown, resistor, variable resistor, LED, dimmer switch, output, variable, fair test, control test, systematically, synchronised, traffic light, signal, sensor, timer-based, closed electric circuit, indicating, conductor, insulator, resistor,

#### LIGHT AND SOUND

Year Group	Vocabulary 
EYFS	trumpet, reed, ripple, noise, vibration
Year 1	
Year 2	
Year 3	light, source, natural, artificial, reflect, vitamin D, ultraviolet rays, sunburn, exposure, protection, fluorescent, high visibility, reflective, surface, materials, shadow, opaque, sundial, rays, blocks, position, cast, opposite, direction, length, size, shape, closer, further, puppet
Year 4	vibration, medium, waves, eardrum, signals, source, energy, particles, echo, vacuum, materials, reflect, absorb, insulate, defenders, volume, decibels, decibel metre, amplitude, power, pitch, high pitch, low pitch, instruments, orchestra, energy, particles, travel, sound source, fade
Year 5	
Year 6	light, eye, light source, symbol, scientific diagram, reflected, prediction, fair test, variable, table, periscope, angle, mirror, line of sight, utilise, shadow, block, opaque, transparent, translucent, plan, sun shade, real life problem, rotate, direction, optical, phenomena, disperse, spectrum, refraction