

## Snap Science Scientific Vocabulary Progression

Year 1						
Our Changing World: plants	Our Changing World: animal antics	Our Changing World: sensing seasons	Plant Detectives	Looking at Animals	Using our Senses	Everyday Materials
Summer 2	Spring 2	Spring 1	Summer 1	Spring 2	Autumn 1	Autumn 2
<p>bud, twig, branch, roots, stem, shoot, rough, smooth, shiny, glossy, wrinkled, crinkled, crunchy, crisp, olive, rust, blossom, petals, stem, stalk, single, deciduous, evergreen, plug plant, compost, manure, prepare, watering, names of vegetables and fruits, peel, grate, sprinkle, combine</p>	<p>Names of insects and small mammals and birds including: wasp, woodlice, ladybird, squirrel, kitten, blackbird, house sparrow, starling, pigeon, seagull, robin, thrush, wagtail, blue tit, chaffinch, great tit, collared dove, magpie, wood pigeon, bird table, feeder, types of seed, fat ball, slime, slimy, striped, stripy, ridged, spiral, terrarium, dandelion, lettuce, paws, claws, fur, whiskers, furry, fluffy, silky, smooth, rough, brush, comb, lead, collar, chews</p>	<p>seasons, autumn, winter, spring, summer, evidence, similar, different, group, compare, change, names of the months of the year, temperature, warm, cool, freezing, frosty, cloudy, showery, stormy, breeze, gale, shower, drizzle, puddle, breeze, gale, thunder, lightning, sleet, fog, mist, windmill, woolly, furry, waterproof</p>	<p>pansy, geranium, busy Lizzie, petunia, begonia, daisy, snapdragon, fuchsia, lily, daffodil, tulip, buddleia, weed, buttercup, thistle, nettle, foxglove, poppy, dandelion, daisy, cornflower, periwinkle, bluebell, stem, bud, root, root system, tap root, fibrous roots, tree, trunk, branch, twig, taller, shorter, tallest, shortest, similar, different, compare, group, measure</p>	<p>amphibian, reptile, bird, mammal, goldfish, tropical fish, budgerigar, parrot, rabbit, gerbil, hamster, mouse, chinchilla, lizard, feather, fur, scales, fins, fish, tail, gills, scales, eyes, mouth, bill, beak, claws, wings, down quill, webbed feet, scaly skin, claws on feet, mackerel, trout, hake, sea bass, whitebait, flat fish, plaice, robin, blackbird, blue tit, hawk, peacock, seagull, magpie, eagle, jump, hop, leap, climb, clamber, swing, pad, pace, prowl, pounce, spring, flap, flutter, flop, splash, splash, dive, slither, nocturnal, senses, sight, smell, sonar, roost, sett, burrow, tunnel, surgery, vet, patient, care, , treat, injury, injured, illness, medicine, bandage, stethoscope, cockerel, goose, harvest mouse, barn owl, carnivore, herbivore, omnivore, hooves, horns, troll, medium, menu, hamper, appetite</p>	<p>neck, elbows, knees, nostrils, senses, taste, hearing, touch, smell, sight, bitter, sweet, sour, sharp, tingly, fizzy, milky, creamy, buzzer, doorbell, tocker timer, peaceful, silent, silence, whistle, buzz, squeak, creak, rattle, chime, sensitive, sense, sensory, pinch, prod, rough, smooth, bumpy, wrinkled, grooved, shiny, smooth, crunchy, slippery, slimy, fragrance, scent, pong, flowery, fruity, sour, bitter, sharp, gentle, smelly, delicate, sensitive, fabric, material, layers, floorboards</p>	<p>materials, wrapping, shiny, display, greaseproof, kitchen towel, handkerchief, wallpaper, sand paper, fabric, wool, nylon, silk, fleece fibre, properties, fluffy, rough, smooth, shiny, dull, light, transparent (see-through), opaque (can't see-through), translucent (see something through), stretch, stretchy, elastic, stiff, bend, bendy, not bendy, press, squash, twist, shape, waterproof, absorb, absorbent, soak up, mop up; frozen, freeze, melt, tissue paper, button, glass bead, marble, pebble</p>

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Year 2						
Our Changing World	What is in your Habitat?	The Apprentice Gardener	Materials: Good Choices	Materials: Shaping Up	Take Care	Growing Up
Summer 2	Summer 2	Summer 1	Spring 1	Autumn 1	Spring 2	Autumn 2
offspring, habitat, food chain, tally chart, pattern, baby animal terms, seeds, bulbs, plant, root, stem, fruit, shoot(s), bud, flower, compost, manure, prepare, watering, herbs, names of vegetables and herbs, blend, puree, boil, simmer, fry	habitat, decay, rocks, food chain, plants, animals, herbivores (eat plants and parts of plants), carnivores (eat other animals), omnivores (eat plants/parts of plants and other animals), direction, source of food, suited, habitat, features, names of habitats, living things and animal body parts	observe, observations, describe, identify, expert, question, predict, prediction, compare, investigate, surface, bury, germinate, fair, suitable, radicle, shoot, evidence, bar chart, scale, connection, seedling, mature plant, wilting, , warmth, care, block, order, conclusion	Property, fabric, bendy, squashy, stiff, rigid, crease, waterproof, absorb, absorbent, lenses, transparent, opaque, translucent, stretchy, , frame, flexible, measure, record	twist, squash, bend, stretch, squashing, bending, twisting, stretching, pinch, press, flexible, rigid, stretchy, squashy, elastic, properties, suitable, stretchiness, weight, catapult, missile, column, Venn diagram, measure, record, bar chart	classify, Venn diagram, Carroll diagram, dairy, exercise, physical activity, pulse, aching, muscles, hygiene, hygienic	essential, , breathe, shelter, warmth, survival, depend, toddler, compare, differences, dependent, independent, appearance, annotate, life cycle, stages, order, pregnancy, birth, teenager, adult, parent, elderly person, measure, compare, table, scatter graph, plot, pattern, evidence, observation, question, record

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Year 3					
Our Changing World	How does your Garden Grow?	Rock Detectives	Can you see me?	The power of forces	Amazing bodies
Spring 2	Summer 1	Summer 2	Autumn 2	Spring 1	Autumn 1
leaf, deciduous, evergreen, seedling, seed head, growth, habitat, soil type, variation, season, seasonal change, pollen, pollinate, nectar, butterfly – Large White, Tortoiseshell, Peacock, observe, record, present	trunk, leaflet, stalk, veins, surface, edge, lobes, root hair, nutrients, anchor, seed, germination, seedling, growth, mature plant, flowering, pollination, seed formation, sepal, carpel, stamen, pollen, reproduce, nectar, dispersal, self-dispersal, explosion, sprinkling, competition, stigma, ovary, anther, filament, observe, question, investigation, fair test, predict, prediction, explanation, observations, draw conclusions	sandstone, granite, chalk, limestone, marble, pumice, stone, pebble, texture, particle, crystal, granule, properties, clay, sandy, loam, peat, organic material, weathering, cliff, trilobite, starfish, sea urchin, ammonite, fossil, fossilise, remains	shadow, reflect, opaque, transparent, translucent, ultraviolet, ray, beam, absorb, luminous, non-luminous, infrared, investigation, fair test, predict, prediction, explain, explanation, observations, draw conclusions	force, surface, magnet, attracts, magnetic material, magnetism, acts at a distance, non-magnetic material, north pole, south pole, repel, investigation, fair test, predict, prediction, explanation, observations, draw conclusions	survive, balanced diet, nutrition, nutrients, carbohydrates, protein, roughage, fibre, dairy, skeleton, bones, protect, support, muscles, joints, ribs, skull, brain, backbone, spine, spinal column, vertebrate, footprint, trail, vitamins, minerals, classify, investigation, survey, evidence, draw conclusions

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Year 4						
Our Changing world	In a state	Good vibrations	Switched on	Where does all that food go?	Human impact	Who am I?
Spring 1	Autumn 1	Autumn 2	Spring 2	Summer 1	Summer 2	Spring 1
stalk, simple and compound leaves, leaf arrangement, deciduous, evergreen, skeleton, vein pattern, blossom, classification key, observe, record, classify, present	solid, liquid, flow, pile, pool, surface, horizontal, viscous, sticky, grain, powder, degree Celsius, solidify, solidifying, states of matter, change of state, melting point, freezing point, process carbon dioxide, helium, oxygen, bubbles, particle, compress, volume, evaporate, evaporation, vapour, boiling point, thermometer, data logger, sensor, droplets, condense, condensation, droplets, cycle, model, expand, scale, calibrate, heat sensitive, sensor, variable, ] present, interpret, data, axis, scale, interval, control, ] evidence, annotate, accuracy, describe, explain, evaluate, reliable, repeatable	repeating, continuous, strike, blow, shake, pluck, vibration, vibrate, solid, gas, volume, strength of vibrations, sound source, fainter, distance, pitch, particles, question, investigation, fair test, predict, prediction, explanation, observations, draw conclusions	electrical, mains, battery, power, rechargeable, solar, , cell, wire, buzzer, motor, component, circuit, complete circuit, short circuit, connect, disconnect, terminal, positive, negative, toggle tilt switch, pendulum switch, property, electrical conductor, electrical insulator, electron, filament, sets, Venn diagram, Carroll diagram, table, conclusion, evidence, annotate	oesophagus, small intestine, large intestine, rectum, anus, digestive system, digestion, carbohydrate, protein, roughage, vitamins, minerals, balanced diet, healthy, mechanical process, chemical process, absorb, nutrients, saliva, chemicals, enzyme, canine, incisor, premolar, molar, grinding , dental hygiene, decay, floss, food web, producer, consumer, predator, prey, herbivore, omnivore, carnivore	environment, impact, positive, negative, pollution, biodiversity, derelict, graffiti, destroy, create, location, food chain, producer, consumer, human impact , global issue, destruction, deforestation, rainforest, climate, climate change, endangered, breed, predator, prey, conservation, categories, tally chart, pictogram, bar chart, axes, scale, opinion, point of view, argument, viewpoint, debate	features, sequence, key, distinguish, similarities, differences, vertebrate, fish, amphibian, reptile, mammal, backbone, scales, lungs, gills, cold blooded, warm blooded, suckle, thorax, abdomen, segment, antennae, arachnids (spiders), crustaceans, myriapods, molluscs, observations, classify, identify

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Year 5								
Our changing world	Circle of life	Reproduction in plants and animals	Get sorted	Everyday materials	Marvellous mixtures	All change	Feel the force	The Earth and beyond
Spring 2	Spring 2	Spring 2	Spring 1	Spring 1	Autumn 1	Autumn 1	Summer 1	Autumn 2
carpel, stamen, hip, pollinator, pollination, fertilise, fertilisation, seed dispersal, organs, sex, propagate, propagation, cutting, runner, tuber, rhizome, bulb, crop, cropping, produce, yield, glut, names of fruit and vegetables being grown	reproduction, metamorphosis, aging, mammal, amphibian, hibernate, nocturnal, marsupial, metamorphosis, gills, cold blooded, thorax, abdomen, antennae, pupa, cocoon, breeding cycle, clutch, brood, hatch, fledge, prey, predator, reproduce, environment, migrate, migration, navigate, genetic, endangered, threatened, extinct, extinction, evolution	reproduction, reproduce, organ, carpel, stamen, pollinator, pollination, fertilisation, reproduction, reproduce, propagate, tubers, rhizomes, gender, sexual, asexual, metamorphosis, mate, sperm, pregnant	properties, compare, contrast, organise, criteria, soluble, insoluble, transparent, transparency, opaque, rigidity, flexibility, elasticity, ductile, electrical conductor/insulator, thermal conductor/insulator, magnetic, non-magnetic, attract, repel, viscosity, viscous, types of plastic – polyester, nylon, polythene, PVC, polystyrene acrylic – recycle, reuse, biodegradable, environmentally friendly	properties, construction, structure, organic, manufactured, weathering, decay, decompose, brittle, fragile, contrast, organise, criteria, durability, flexibility, durable, durability, waterproof, stain resistant, reusable, suspension, tread, saddle, weight, mass, criteria, ovenproof, thermal conductor, thermal insulator, insulate, insulation, viscosity, viscous, tackiness,	compare, contrast, separate, mixture, sieve, filter, evaporate, powder, particle, dissolve, soluble, solution, contamination, contaminate, impurity, purity, suspension, saturated, saturation, reversible, non-reversible, microbes, bacteria, types of oil, liquid, solid, detergent, sticky, filter, mechanical, boom, residue, biological, marine life, purify, sterilise	contrast, change of state, dissolve, melt, reversible, non-reversible, mixture, particle, tablet, carbon dioxide, reaction, inflate, oxidise, oxygen, corrode, tarnish; types of metal: iron, steel, chromium, tin, zinc; boil, vapour,, flammable, solidifies, wick,	air resistance, Aristotle, balanced forces, bevel gears, cogs, compress, extend, friction, force arrow, fulcrum, gravity, Galileo, ratio, gears, gear trains, lever, lift, mechanisms, Newton, Newton meter, pinion, pivot, resistance, rotary motion, unbalanced force, upthrust, water resistance, weight arm,	Aldebaran, Arctic, Antarctic, British Summer Time, Greenwich Meridian, International Date Line, Jupiter, Mars, Mercury, Milky Way, North Pole, Saturn, South Pole, Neptune, Universe, Uranus, Venus, asteroid, axis, compass, crescent, dawn, degrees, dusk, equator, equinox, fixed stars, Full Moon, galaxy, gibbous, hemisphere, horizon, illuminate, leap year, longitude, lunar month, meridian, nebula, New Moon, northern,

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				adhesive, saturated, powder, particle, polymer, volume, quantity				orbit, reflect, rotate, rotation, solar system, solstice, sunrise, sunset, telescope, tilt, time zone, waning, draw conclusions, explanation, investigation, line graph, observations, prediction, presentation, , review, scientific diagram
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Year 6						
Our changing world	The nature library	Body pump	Body health	Everything changes	Danger! Low voltage	Light up your world
Autumn 2	Summer 2	Spring 1	Summer 1	Spring 2	Summer 1	Autumn 1
mammal, amphibian, metamorphosis, nymph, pupae, chrysalis, migrate, hibernate, courtship, plumage, adaptation, death rate, brood, fledgling, juvenile, migration, invertebrate, mollusc, adaptation, predator, investigation, draw conclusions, justify, analyse	<p><b>General terms:</b> identify, identification, classify, classification, division, genus, species, reason, common characteristics, distinguishing characteristics, transparent, segments, , beneficial (helpful), colony, colonies, mould, multiply, historically, Aristotle, Carl Linnaeus, kingdom, Phillip Miller, John Ray, botany, conventions</p> <p><b>Kingdoms of living things:</b> Animalia, Plantae, Fungi, Protista, and Monera</p> <p><b>Plant kingdom:</b> flowering plants, conifers, ferns, mosses and algae</p> <p><b>Animal kingdom:</b> vertebrates, amphibians, mammals, reptiles, invertebrates, molluscs, annelids, arachnids, arthropods</p>	aorta, artery, atrium, blood vessel, capillaries, carbon dioxide, cells, chamber, chest cavity, circulation, circulatory system, deoxygenated blood, digestive system, digestive tract, heart valves, humans, hydration, lubricant, lungs, muscular system, nutrients, nutrition, oxygen, oxygenated blood, plasma, platelets, red blood cell, skeletal system, transport, valve, vein, vena cava, ventricle, vessel, waste gases, white blood cells	alcohol, asthma, athlete, balanced diet, beats per minute (bpm), benefits, breathing, caffeine, calories, cancer, carbohydrates (including sugars), clinical trial, consequences, doping, drugs, heart rate, intensity, illegal, impact, James Lind, legal, lifestyle, long-term effect, mental benefits, mineral, motivation, norm, nutrition, oxygen, passive smoking, peer pressure, performance enhancing, persuade, physical benefits, protein, pulse rate, RDA (recommended daily allowance), recovery rate, resting rate, rickets, roughage, saturated fat, scurvy, short-term effect, sodium, solvents, steroids, tobacco, unsaturated fat, vitamin	population, variation, environment, inheritance, adaptation, selective breeding, generation, survival, natural selection, evolution, fossils, genes, genetics, DNA, extinct, extinction, speciation	cell, motor, circuit, current, filament, electrical insulator, electrical conductor, mains electricity, terminal, toggle switch, push switch, slide switch, tilt switch, trembler switch, pressure switch, reed switch, series circuit, resistance, resistor, current, circuit recognised symbols, generate, generator, , fossil fuels, nuclear, biomassfired power stations, wind turbine, wave hub, tidal flow, hydro-electric, grid, pylon, transmission, transformer, solar panels	reflect, eye, opaque, transparent, translucent, ultra violet, refraction, periscope, spectrum, dispersion, inverted,

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	<b>Micro-organisms:</b> (3 kingdoms: Fungi, Monera, Protista), micro-organisms (microbes) bacteria					
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