



Infinity Academies Trust

Science Vocabulary Progression Grid

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Working Scientifically	Science Experiment Fair Find out Explain Reason Why Change	question, find out, observe, describe, test, compare measure, length, height, mass/weight, time, temperature record, results, table, chart, pictograph, block graph, bar chart Question • Answer • Test • Compare • Observe • Group • Record	question, find out, observe, describe, test, compare measure, length, height, mass/weight, time, temperature record, results, table, chart, pictograph, block graph, bar chart	question, find out, observe, describe, test, compare, explain, accurate, predict measure, length, height, mass/weight, time, temperature, tape measure, thermometer, data logger record, results, table, chart, pictograph, block graph, bar chart	question, find out, observe, describe, test, compare, explain, accurate, predict measure, length, height, mass/weight, time, temperature, tape measure, thermometer, data logger record, results, table, chart, pictograph, block graph, bar chart, line graph	question, find out, observe, describe, test, compare, explain, accurate, predict measure, length, height, mass/weight, time, temperature, tape measure, thermometer, data logger record, results, table, chart, pictograph, block graph, bar chart, line graph, reliable, variables, valid, explain	question, find out, observe, describe, test, compare, explain, accurate, predict measure, length, height, mass/weight, time, temperature, tape measure, thermometer, data logger record, results, table, chart, pictograph, block graph, bar chart, line graph, reliable, variables, valid, explain
Animals including humans	herbivore face carnivore hair omnivore leg	Common structure of animals	reproduce, offspring, grow, adults	humans, food, feeding, balanced, diet	digestion, mouth, teeth, tongue, saliva,	humans, gestation, baby, child,	blood, heart, heart rate, circulation,

	human knee animal arm fish elbow birds back head toes ear hands eye fingers mouth nose	including humans including : head, face, ears, hair, eyes, nose, mouth, teeth, cheek, chin, neck, body, arms, hands, fingers, paws, fins, wings, legs, feet, toes, tail, skin, scales, fur, feathers, see, look, hear, listen, touch, feel, taste, smell Fish, amphibian, reptile, bird, mammal Common names of fish, amphibians, reptiles, birds, mammals including pets and those found in the local environment, herbivore, carnivore, omnivore	(fish, amphibian, reptile, bird, mammal, humans) survival, water, food, air, shelter exercise, fit, healthy, food, fruit, vegetables, meat, fish, eggs, nuts, pulses, beans, milk, cheese, bread, pasta, rice, butter, vegetable oil, olive oil Common names of fish, amphibians, reptiles, birds, mammals including pets and those found in the local environment Common structure of animals including humans including : head, face, ears, hair, eyes, nose, mouth, teeth, cheek, chin,	,meat, fish, eggs, nuts, pulses, beans, cereal, fruit, vegetables, dairy products milk , cheese, butter, potatoes , bread, rice, pasta, vitamins, minerals fish, amphibian, reptile, bird, mammal skeleton, skull, ribs, spine (backbone), joints, support, muscles	oesophagus, stomach, gastric juices, enzyme, small intestine, bile, pancreatic juice, large intestine, rectum incisors, cut, slice, canines, grip, pierce, premolars, molars, crush, grind, dental, dentist, disclosing tablets food chain, producers, predators, prey, herbivore, carnivore, omnivore	teenager, adult, geriatric, puberty, hormones, muscles, testicles, pubic hair, voice , acne, breasts, hips, period, ovulation	oxygen, lungs, veins, arteries, cells, pulse rate, healthy diet, exercise, drugs, nutrients, water
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			neck, body, arms, hands, fingers, paws, fins, wings, legs, feet, toes, tail, skin, scales, fur, feathers herbivore, carnivore, omnivore				
Plants	tree petals trunk fruit branch roots leaves bulb flowers seed stem	Leaves, flowers, blossom, petals, fruit, roots, bulb, seed, trunk, branches, stem Names of plants in their local environment for example: Grass, Clover, Daisy, Buttercup, Dandelion, Oak, Holly, Daffodil, Tulip etc. and plants they grow to eat such as lettuce, tomatoes, cucumber, radish, herb etc.	seeds, bulbs, grow, healthy, water, light, temperature, soil, nutrients leaves, flowers, blossom, petals, fruit, roots, trunk, branches, stem Names of plants in their local environment for example grass, Clover, Daisy, Buttercup, Dandelion, Oak, Holly, Daffodil, Tulip etc. and plants they grow to eat such as lettuce, tomatoes, cucumber, radish, herb	leaves, flowers, blossom, petals, fruit, roots, bulb, seed, trunk, branches, stem, stigma, style, anther air, light, water, nutrients, soil, transport, seed, seedling, bulb, compost, decay, die, fruit, moisture, ovary ovule pollen, pollination, seed formation, dispersal, reproduce			

			etc.				
Living things and their habitats			living, dead, non-living habitat, micro habitat, food chain field, hedgerow, pond, woodland, seashore, ocean, rainforest, arctic, desert, air, food, water, shelter, heat, warmth, sun		classify, classification, animal, vertebrates, fish, amphibians, reptiles, birds, mammals, invertebrates, snails, slugs, worms, spiders, insects, flowering plants, non-flowering plants, ferns, mosses, fungi. environment, habitat, micro habitat, adaption, human impact, ecological, ecosystem, nature reserves, parks, ponds, pollution, litter, deforestation, field, hedgerow, pond, woodland, seashore, ocean, rainforest,	life cycle, reproduction, asexual, sexual, animal, vertebrates, amphibians, reptiles, birds, mammals, invertebrates, insect , babies, young, grow, adult, egg, caterpillar, larva, chrysalis, pupa, head, abdomen, thorax, wings, fur, feathers, scales, plants, seeds, stem, root cuttings, tubers, bulbs, pollen, Leaves, flowers, blossom, petals, fruit, roots, bulb, seed, trunk, branches, stem, stigma, style, anther, ovary, ovule, seed formation, seed dispersal	vertebrates, amphibians, reptiles, birds, mammals, invertebrates, insects, spiders, snails, worms, head, abdomen, thorax, wings, fur, feathers, scales, plants, microorganisms, kingdom, species

					arctic, desert, nest, burrow, air, food, water, shelter, heat, warmth, sun, camouflage		
Seasonal Changes	Summer day Spring dark Autumn light Winter night Season Moon Sun	spring, summer, autumn, winter day, night, light, dark, sunrise, sunset Sun, rain, snow, hail, precipitation, wind, cloud, cloud cover deciduous, evergreen tree					
Materials	material metal wood rock plastic hard fabric material glass soft paper smooth shiny rough	wood, plastic, glass, metal, water, rock, brick, paper, card, rubber, fur, fleece, cotton, wool, polyester, cotton wool. Names of common objects made from these materials e.g. door, building block, window, pencil sharpener,	wood, plastic, glass, metal, water, rock, brick, paper, card, rubber, fur, fleece, cotton, wool, polyester, cotton wool. words to describe why certain materials are suitable for particular uses e.g. soft, hard, rough, smooth,			soft, hard, rough, smooth, stiff, shiny, dull, rough, waterproof, absorbent, opaque, transparent, translucent, texture, conduct, insulate, electrical, thermal, magnetic solids, liquids, gases,	

		teddy etc, soft, hard, rough, smooth, stretchy, stiff, shiny, dull, rough, smooth, flexible, waterproof, absorbent, opaque, transparent, translucent	stretchy, stiff, shiny, dull, rough, smooth, flexible, waterproof, absorbent, opaque, transparent, translucent Squash, bend, twist, stretch			dissolve, solution, substance, separated, filtering, sieving, evaporating, reversible, irreversible state, burning, oxygen, acid, bicarbonate of soda, carbon di oxide change state melt, melting, freeze, heated, cooled, temperature, Celsius, chocolate, butter, ice, water, steam, water vapour, water cycle, evaporation, condensation, rate, precipitation, rain, rain fall, snow, sleet	
Rocks				rocks, granite, limestone, sandstone, fossil, soil, sandy, peat, decay, compost soft, hard, rough,			

				smooth, stiff, shiny, dull, rough, waterproof, absorbent, opaque, transparent, translucent, texture			
States of matter					Solids, liquids, gases change state: melt, freeze, heated, cooled, temperature, Celsius, chocolate, butter, ice, water, steam, water vapour, water cycle, evaporation, condensation, rate, precipitation, rain, rain fall, snow, sleet		
Light				see, eyes, light, dark, absence light sources, Sun, dangerous, lamp, flame, torch, light bulb, day, night, light, dark, dim, sunrise, sunset, dusk			see, eyes, light, straight lines, reflect, reflected, reflection, light sources, shadows, size, shape, pattern, mirrors, (possibly extend to

				reflect, reflection, reflected, shadows, size, shape, pattern			include rainbows, colour, colour filters, water, refraction)
Sound	sound loud quiet volume				sound, sources, vibrating, medium, ear, eardrum, instruments, pitch, high, low, volume, loudness, loud, soft, quiet, insulation, sound proof, distance, fainter.		
Earth and Space	Earth Moon Planet space Sun star					day, night, light, dark, dim, sunrise, sunset, dusk, Earth, moon, moons, reflect, sun, star, spherical, rotation, Earth's axis, solar system, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune (Pluto as a	

						dwarf planet), shadow clock, sundials, astronomical clock	
Forces and Magnets				Force, contact, non-contact move, surface, material, carpet, tiles, wood, lino, bubble wrap, sandpaper, fleece, polythene, towel magnet, magnetic, magnetic field, bar, horseshoe, ring, strength, strong, weak, metal, coated, attract, repel, poles, north, south		force, contact, non-contact, gravity, falling, friction, air resistance, water resistance, newton, force metre, drag, levers, pulleys, gears, move, surface, material, carpet, tiles, wood, lino, bubble wrap, sandpaper, fleece, polythene, towel	
Electricity					electrical appliances, mains, battery, television, computer, tablet, mobile phone, light, lamp, cooker, microwave, toaster, radio, component,		component, bulb, buzzer, battery, cell, wire, motor, switch, open, closes, circuit, series, complete loop, bright, brightness, current, volume, volts,

					bulb, buzzer, battery, cell, wire, motor, switch, open, closes, circuit, series, complete loop, bright, brightness, current electrical insulator, plastic, fabric, electrical conductor, metals, water		voltage, symbols, circuit diagram
Evolution and Inheritance							fossils, evolution, evolve, inherit, inheritance, offspring, vary, variation, species, adapted, environment, climate, habitat, suited

Our progressive vocabulary ladder identifies key vocabulary to be taught from EYFS to year 6. These words are part of a whole host of work aimed at narrowing the vocabulary gap for our children. As a school we aim to expose all children to a broad range of vocabulary and provide them with the skills to use and apply these. Beyond this, we know that, ultimately, the most powerful method of broadening and deepening the vocabulary of our children is to get them to read a significant amount. Reading for pleasure, talking about reading, and great teaching of reading by every teacher can make a real difference.