











	Threshold Concept	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	 <p>Working Scientifically</p>	What...? How? Why ...? Similar, different best and worst change plan look biggest and smallest compare sort and group	observe, change, slowly quickly, describe, name identify, label, record measure, bigger and smaller, pattern notice, cycle, predict	gradually, identify, observe, recognise investigate, record, units table, fair evidence, research, length, observations prediction	similarities differences research and source scientists discovery process, cycle measurements, conclude evaluate rank, plan, vary keep the same/constant bar graph table tally	classify, interpret, pattern, relationship prediction, analyse interpret, conclude evaluate, rank, variable constants, control, repeat, key relationship line graph	hypothesis, variable constants, evaluate plan, conclude, interpret, classify categorise, database enquiry, control, repeat support, refute degree of trust, scatter graph
Biology	 <p>Understand Plants</p>	deciduous, evergreen, tree, leaves, flowers (blossom), petals, fruit, roots, bulb, seed, trunk, branches, stem, oak, holly, willow, birch, chestnut, conker, daisy, buttercup, rose, daffodil, fruit	seeds, bulbs, water, light, suitable temperature, grow, healthy, germinate, decompose	air, light, water, nutrients, soil, reproduction, transportation, dispersal, pollination, flower,			
	 <p>Understand animals, and humans</p>	fish, reptiles, mammals, birds, amphibians (+ examples of each) herbivore, omnivore, carnivore, leg, arm, elbow, head, ear, nose, back, wings, beak, polar, Arctic, snow, ice, freezing, climate, survive, equator, desert, insect, life cycle, common, garden, wild	survival, water, air, food, adult, baby, offspring, kitten, calf, puppy, exercise, hygiene, balanced diet	movement, muscles, bones, skull, nutrition, skeletons,	mouth, tongue, teeth, oesophagus, stomach, small Intestine, large intestine, herbivore, carnivore, canine, incisor, molar, conditions, predator, producer, prey, interconnected, hunt, population, relationship	foetus, embryo, womb, gestation, baby, toddler, teenager, elderly, growth, development, puberty;	circulatory, heart, blood vessels, veins, arteries, oxygenated, deoxygenated, valve, exercise, respiration, transport, nutrient, carbon dioxide, lifestyle, health, substances
	 <p>Investigate Living Things</p>		living, dead, habitat, energy, food chain, predator, prey, woodland, pond, desert		vertebrates, fish, amphibians, reptiles, Birds, mammals, invertebrates, snails, slugs, worms, spiders, insects, environment, habitats	mammal, reproduction, insect, amphibian, bird, offspring, classification, vertebrates, invertebrates, micro- organisms, amphibians,	characteristic, Linnaean system, microscopic, binomial system, exoskeleton, micro- organism,








						reptiles, mammals, insects	
	 <p>Understand Evolution and Inheritance</p>						fossils, adaptation, evolution, characteristics, reproduction, genetics, inheritance, offspring, parents, survival, ancestors, reproduction
Chemistry	 <p>Investigate Materials</p>	everyday materials, wood, plastic, glass, paper, water, metal, rock, hard, soft, bendy, rough, smooth	materials, hard, soft, stretchy, stiff, shiny, dull, rough, smooth, bendy, waterproof, absorbent, opaque, transparent, brick, paper, fabrics, squashing, bending, twisting, stretching, elastic, foil		States of Mater solid, liquid, gas, evaporation, condensation, particles, temperature, freezing, heating, precipitation	Properties, including changes of, materials hardness, solubility, transparent, opaque, translucent, magnetic, filter, sieving, evaporating, condensing, dissolve, mixture, solution, melting, freezing, thermal conductor, thermal insulator, electrical conductor, electrical insulator	
	 <p>Rocks</p>			fossils, soils, sandstone, granite, marble, pumice, crystals, sedimentary, metamorphic, igneous, absorbent/porous, durable, permeable, impermeable			
	 <p>Understand light and seeing</p>			light, shadows, mirror, reflective, dark, reflection, light source, cast			non-luminous, luminous, pupil, incoming ray, light ray, reflected ray, periscope, straight

Fairstead Community Primary and Nursery School

Science Vocabulary Progression Year 1 – Year 6



 Understand movement, forces and magnets			magnetic, force, contact, attract, repel, friction, poles, push, pull		Forces, air resistance, water resistance, friction, gravity, Newton, gears, pulleys, lever, force, pivot (fulcrum)	
 Investigate sound and hearing				volume, vibration, wave, pitch, tone, speaker		
 Understand electrical circuits				cells, wires, bulbs, switches, buzzers, battery, circuit, series, conductors, insulators, brightness		brightness, volts, components, generate, resistance, device, motor
 Understand the Earth's movement in space					Earth, Sun, Moon, axis, rotation, day, night, phases of the Moon, star, constellation, waxing, waning, full, new, year, month,	
 Seasonal Changes	Summer, Spring, Autumn, Winter, sun, day, moon, night, light, dark					



Fairstead Community Primary and Nursery School

Science Vocabulary Progression Year 1 – Year 6

