



Science Technical Vocabulary Map

Year group	Disciplinary knowledge	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS (Throughout year)	Science, order What...? How? Why ...? similar different best and worst change plan look biggest and smallest compare sort and group change, observe	Older, younger, change, baby, toddler, child, teenager, adult, elderly person, people, grow life cycle, body parts, environment, world, planet, pollution	Baking, mixing, drying, seasons (summer, autumn, winter, spring) Weather (sunny, raining, etc.) materials (wood, plastic, wool) Properties (hard, delicate, strong)	Habitat (gills, fur, camouflage) Explore compare, trees, animals, living things	Recycle, waste, pollution, environment, glass, plastic, aluminium) Magnetic, non-magnetic	Grow, change, sunlight, seed, seedling, shade, soil (stem, root)live births, eggs, hatch, hatchling, gestation, chick, chicken, life cycle Predators, prey	Float, sink, materials (waterproof, bendy, strong, solid) , marine, pollution, recycle habitat
One		Animals including humans (our body and senses)	Seasonal changes	Plants		Everyday materials	
	What...? How? Why ...? similar different , best and worst, change, plan, look, biggest, and smallest, compare, sort and group, order, Science	Amphibians, birds, fish, mammals, reptiles, carnivores, herbivore, omnivore, sight, hearing, touch, taste, smell, head, neck, ear, mouth, shoulder, hand, fingers, leg, foot, thumb, eye, nose, knee, toes, teeth, elbow	Seasons, spring, summer, autumn, winter, windy, sunny, overcast, snow, rain, temperature	Leaves, trunk, branch, root, seed, bulb, flower, stem, wild, garden, deciduous, evergreen		Hard, soft, stretchy, stiff, shiny, dull, rough, smooth, bendy/not bendy, waterproof/not waterproof, absorbent, opaque,	

Two		Uses of everyday materials		Plants	Living things and their habitats	Animals including Humans
	Observe, change, slowly, quickly, describe, name, identify, label, record, measure, bigger, smaller, pattern, notice, cycle, predict	Chemistry, Waterproof, fabric, rubber, cars, rock, paper, cardboard, wood, metal, plastic, glass, brick, twisting, squashing, bending, matches, cans, spoons,		Biology, Leaves, trunk, branch, root, seed, bulb, flower, stem, wild, garden, deciduous, evergreen, observe, grow, compare, record, temperature, predict, measure, diagram, germinate, warmth, sunlight.	Biology, Living, dead, never alive, habitats, micro-habitats, food, food chain, leaf litter, shelter, sea shore, woodland, ocean, rainforest, conditions, desert, damp, shade,	Biology, Living, dead, never alive, habitats, micro-habitats, food, food chain, leaf litter, shelter, sea shore, woodland, ocean, rainforest, conditions, desert, damp, shade,
Three		Rocks	Light	Plants	Animals including Humans	Forces and magnets
	gradually, identify, observe, recognise, investigate, record, units, table fair, evidence, research, length, observations, prediction, variable, fair test	Chemistry, Sedimentary, Metamorphic. Igneous Plate tectonics Core, crust, mantle, texture, colour, properties, chalk, granite, crystals, grains, sediments, eroding, weathering.	Physics, Light source, dark, reflect, ray, mirror, bounce, visible, beam, sun, glare, travel, straight, opaque, shadow, block, transparent, translucent.	Biology, Air, light, water, nutrients, soil, support, anchor, reproduction, pollination, dispersal, transportation, flower, energy, growth, seedling, carbon dioxide, oxygen, sugar, material, photosynthesis, chlorophyll	Biology, Nutrients, nutrition, carbohydrates, protein, fats, vitamins, minerals, water, fibre, skeleton, bones, joints, endoskeleton, exoskeleton, hydrostatic skeleton, vertebrates, invertebrates, muscles, contract, relax,	Physics, Force, push, pull, friction, surface, magnet, magnetic, magnetic field, pole, north, south, attract, repel, compass

Four		Electricity (linked to magnets)	Sound	States of Matter	Animals including Humans	Living things and their habitats	
	similarities, differences research and source scientists, discovery, process, cycle, measurements, conclude, evaluate, rank, plan, vary, keep, the same/constant bar, graph table tally, variable, fair test	Physics, Electricity, electric current, appliances, mains, crocodile clips, wires, bulb, battery cell, battery holder, motor, buzzer, switch, conductor, electrical insulator, component.	Physics, Amplitude, volume, quiet, loud, ear, pitch, high, low, particles, instruments, wave.	Chemistry, Solid, liquid, gas, particles, state, materials, properties, matter, melt, freeze, water, ice, temperature, process, condensation, evaporation, water vapour, energy, precipitation, collection,	Biology, Environment, flowering, nonflowering, plants, animals, vertebrates, fish, amphibians, reptiles, mammals, invertebrate, human impact, nature reserves, deforestation.	Biology, Herbivore, Carnivore, Digestive system, tongue, mouth, teeth, oesophagus, stomach, gall bladder, small intestine, pancreas, large intestine, liver, tooth, canine, incisor, molar, premolar, producer, consumer.	
Five		Properties and changes of materials		Earth and Space	Living things and their habitats	Forces	Animals including Humans
	classify, interpret, pattern, relationship, prediction, analyse, interpret, conclude, evaluate, rank, variable, constants, control, repeat, key	Chemistry, Hardness, Solubility, Transparency, Conductivity, Magnetic, Filter, Evaporation, Dissolving, Mixing Material, conductor, dissolve, insoluble, suspension, chemical, physical, irreversible, solution, reversible, separate, mixture, insulator, transparent, flexible, permeable, soluble, property, magnetic, hard.		Physics, Earth, Sun, Moon, Axis, Rotation, Day, Night, Phases of the Moon, star, constellation, waxing, waning, crescent,	Biology, Reproduction, Sexual, Asexual, Pollination, Dispersal, reproduction, cell, fertilisation, pollination,	Physics, Air resistance, Water resistance, Friction, Gravity, Newton, Gears, Pulleys, force, push, pull, opposing, streamline, brake, mechanism, lever,	Biology, Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, Elderly, Growth, Development, Puberty,

	relationship, line graph			gibbous. Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, planets, solar system, day, night, rotate, orbit, axis, spherical, geocentric, heliocentric.	male, female, pregnancy, young, mammal, metamorphosis, amphibian, insect, egg, embryo, bird, plant	cog, machine, pulley.	Hormone, Physical, Emotional
Six		Light	Living things and their habitats	Evolution and Inheritance	Electricity	Animals including Humans	
	hypothesis, variable, constants, evaluate, plan, conclude, interpret, classify, categorise, database, enquiry, control, repeat, support, refute, degree of trust, scatter graph, fair test	Physics, Light source, dark, reflect, ray, mirror, bounce, visible, beam, sun, glare, travel, straight, opaque, shadow, block, transparent, translucent. Reflect Absorb Emitted Scattered Refraction	Biology, Variation Organisms Populations. Classification Characteristics Environment, flowering, nonflowering, plants, animals, vertebrates, fish, amphibians, reptiles, mammals, invertebrate, human impact, nature reserves, deforestation.	Chemistry, Fossils, Adaptation, Evolution, Characteristics, Reproduction, Genetics, Variation, Inherited, Environmental, Mutation, Competition, Survival of the Fittest, Evidence,	Physics, Electricity, neutrons, protons, electrons, nucleus, atom, electric current, appliances, mains, crocodile clips, wires, bulb, battery cell, battery holder, motor, buzzer, switch, conductor, electrical insulator, conductor.	Biology, Oxygenated, Deoxygenated, Valve, Exercise, Respiration Circulatory system, heart, lungs, blood vessels, blood, artery, vein, pulmonary, alveoli, capillary, digestive, transport, gas exchange, villi, nutrients, water, oxygen, alcohol, drugs, tobacco.	

			Classify, compare, bacteria, microorganism, organism, invertebrates, vertebrates, Linnaean.			
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