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, easons (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, Herbivore, Carnivore, Digestive system, tongue, mouth, teeth, oesophagus, stomach, gall bladder, small intestine, pancreas, large intestine, liver, tooth, canine, incisor, molar, premolar, producer, consumer.	Biology, Environment, flowering, nonflowering, plants, animals, vertebrates, fish, amphibians, reptiles, mammals, invertebrate, human impact, nature reserves, deforestation.
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 relationship, line graph	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, gibbous. Mercury, Venus,	Biology, Reproduction, Sexual, Asexual, Pollination, Dispersal, reproduction, cell, fertilisation, pollination, male, female, pregnancy,	Physics, Air resistance, Water resistance, Friction, Gravity, Newton, Gears, Pulleys, force, push, pull, opposing, streamline, brake, mechanism, lever, cog, machine, pulley.	Biology, Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, Elderly, Growth, Development, Puberty, Hormone, Physical, Emotional

			Light	Living things and their habitats	Evolution and Inheritance		Electricity	Animals including Humans
					Mars, Jupiter, Saturn, Uranus, Neptune, planets, solar system, day, night, rotate, orbit, axis, spherical, geocentric, heliocentric.	young, mammal, metamorphosis, amphibian, insect, egg, embryo, bird, plant		
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. Classify, compare, bacteria,	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.

		microorganism, organism, invertebrates, vertebrates, Linnaean.			