

Methley Primary School - Progression of Vocabulary for Science

Each year group will review and recap previously taught vocabulary as well as add new terminology

	Biology			Physics	Chemistry	Working Scientifically
EYFS	Animal, hibernation, nocturnal, plant , life cycle, exercise, health, growth, change, habitat, mini beasts. Parts of the body (head, nose, leg, arm etc)			Day and Night , Light Dark, Summer, Spring, Autumn, Winter, battery, machine,	Change, material, floating, sinking	Patterns, same difference, questions, change
Y1	Animals including humans Head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves, Fish, Reptiles, Mammals, Birds, Amphibians (+ examples of each) , senses, touch, see, smell, taste, hear, fingers (skin), eyes, nose, ear and tongue	Plants Leaves, trunk, branch, root, seed, bulb, flower, stem, wild, garden, blossom, petal, fruit, berry, bark, stalk, bud deciduous, evergreen, change. Names of plants and trees in local area.	Living things and their habitats	Seasonal Changes Seasons, Sun, Moon,	Everyday Materials Object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool, clay, hard, soft, stretchy, stiff, bendy, floppy, waterproof, absorbent, breaks/tears, rough, smooth, shiny, dull, see through, not see through	observing, pattern, question, research, investigate, results conclude, group, identify, classify
Y2	Animals including humans Herbivore, Omnivore, Carnivore, Survival, Water, Air, exercise, heartbeat, breathing, hygiene, germs, disease, food types (examples - meat, fish, vegetables, bread, rice, pasta) Adult, Baby, Offspring,(ie- Kitten, Calf, Puppy,)	Plants observe, grow, compare, record, temperature, predict, measure, diagram, germinate, warmth, sunlight. light, shade, water, grow, healthy, temperature	Living things and their habitats Living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed, names of local habitats e.g. pond, woodland etc., names of micro-habitats e.g. under logs, in bushes etc.		Everyday Materials Wood, Plastic, Glass, Paper, Water, Metal, Rock, Hard, Soft, Bendy, Rough, Smooth, Stretchy, Stiff, Shiny, Dull, Waterproof, Absorbent, Opaque, Transparent Brick, Paper, Fabrics, Squashing, Bending, Twisting, Stretching Elastic, Foil	

Methley Primary School - Progression of Vocabulary for Science

Y3	Animals including humans Nutrients, nutrition, carbohydrates, protein, fats, vitamins, minerals, water, fibre, skeleton, bones, joints, endoskeleton, exoskeleton, hydrostatic skeleton, vertebrates, invertebrates, muscles, contract, relax, sugars skull, ribs, spine,	Plants Transportation, Photosynthesis, pollen, insect/wind pollination, seed formation, seed dispersal - wind dispersal, animal dispersal, water dispersal, nutrients, soil, support, anchor, seedling, carbon dioxide, oxygen, sugar, material, , chlorophyll	Living things and their habitats	Light Light, light source, dark, absence of light, transparent, translucent, opaque, shiny, matt, surface, shadow, reflect, mirror, sunlight, dangerous	Forces and magnets Force, push, pull, twist, contact force, non-contact force, magnetic force, magnet, strength, bar magnet, ring magnet, button magnet, horseshoe magnet, attract, repel, magnetic material, metal, iron, steel, poles, north pole, south pole, magnetic field	Rocks Rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorb water, absorbent, soil, fossil, marble, chalk, granite, sandstone, slate, peat, sandy/chalk/clay soil Fossils, Pumice, Crystals, igneous, metamorphic, sedimentary, anthropic, permeable, impermeable, chemical fossil, body fossil, trace fossil, cast fossil, mould fossil, replacement fossil, extinct, organic matter, top soil, sub soil, base rock.	Variable, conclude, conclusion. Results, prediction, plan, classification
Y4	Animals including humans Digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, nutrients, large intestine, rectum, anus, teeth, incisor, canine, molar, premolars, herbivore, carnivore, omnivore,	Plants	Living things and their habitats classification, classification keys, environment, habitat, human impact, positive, negative, migrate, hibernate, vertebrate, invertebrate	Sound Amplitude, volume, quiet, loud, ear, pitch, high, low, particles, instruments, wave. bang, blow, shake, pluck, soundwave, vibrations, insulation,	Electricity Electricity, electric current, appliances, mains, crocodile clips, wires, bulb, battery cell, battery holder, motor, buzzer, switch, conductor, electrical insulator, component., device, mains, plug, electrical circuit, complete circuit, component, positive,	States of Matter Condensation, Particles, Temperature, Heating Solid, liquid, gas, state change, melting, freezing, melting point, boiling point, evaporation, temperature, water cycle State, properties, matter, process, condensation, evaporation, water vapour, energy, precipitation, collection,	

Methley Primary School - Progression of Vocabulary for Science

	producer, predator, prey, food chain			sound source, decibel, travel.	negative, connect/connections, loose connection, short circuit.		
Y5	Animals including humans Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, Elderly, Growth, Development, Puberty, Hormone, Physical, Emotional,		Living things and their habitats Life Processes, cycle, Offspring Classification, , Micro-organisms, Life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis, asexual, plantlets, runners, bulbs, cuttings, Pollination, Dispersal, reproduction, cell, fertilisation, pollination, Sexual, Asexual, male, female, pregnancy, young, mammal, embro	Earth and Space Earth, Axis, Rotation, Phases of the Moon, star, constellation Earth, Sun, Moon, (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune) spherical, solar system, rotates, star, orbit, planets, waxing, waning, crescent, gibbous. geocentric, heliocentric.	Forces Air resistance, Water resistance, Newton, Gears, Pulleys Force, gravity, Earth, air resistance, water resistance, friction, mechanisms, simple machines, levers, gears, push, pull, opposing, streamline, brake, mechanism, machine.	Properties and changes of materials Solubility, Magnetic, Filter, Dissolving, Mixing, Thermal/electrical insulator/conductor, change of state, mixture, dissolve, solution, soluble, insoluble, filter, sieve reversible/non-reversible change, burning, rusting, new material	Method, apparatus evaluate, fair, anomaly
Y6	Animals including humans Heart, pulse, rate, pumps, blood, blood vessels, artery, vein, pulmonary, alveoli, capillary, gas	Evolution and Inheritance Fossils, Adaptation, Evolution, Characteristics,	Living things and their habitats Life Processes, cycle, Offspring Variation Organisms Populations.	Light As for year 3 plus light rays, refraction, Spectrum,	Electricity As for y4 plus circuit diagram, circuit symbol, neutrons, protons, electrons,		

Methley Primary School - Progression of Vocabulary for Science

<p>exchange, transported, lungs, oxygen, carbon dioxide, nutrients, water, muscles, cycle, circulatory system, diet, exercise, drugs and lifestyle</p>	<p>Reproduction, Genetics Offspring, sexual reproduction, characteristics, suited, environment, inherited, species, fossils Variation, Inherited, Environmental, Mutation, Competition, Survival of the Fittest, Evidence,</p>	<p>Classification Characteristics Environment, flowering, nonflowering, plants, human impact, nature reserves, compare, bacteria, microorganism, organism, Linnaean.</p>	<p>, bounce, visible, beam, sun, glare, travel, straight, Reflect Absorb Emitted Scattered</p>	<p>nucleus, atom, electric current, voltage - NB Children do not need to understand what voltage is but will use volts and voltage to describe different batteries. The words cells and batteries are now used interchangeably</p>		
--	--	--	--	--	--	--