

Science progressive vocabulary lists by Year Group

All learners to know, understand meaning and use vocabulary - building year on year
All teachers to reference and use the vocabulary securing and building from year to year

Early Years	EYFS follow the Early Years Curriculum working towards Early Learning Goals for Understanding the World. Correct scientific terminology is introduced from the outset. Exact coverage may vary according to the interests and ability of the children, but may include: Working Scientifically – experiment, explore, find out, question, explain, reason, why, when, what, how, because, same, different, change Knowledge – animal, bird, fish, plant, seed, flower, leaf, dinosaur, parent, baby, alive, senses, see, hear, taste, touch, smell, parts of body (e.g. hands, feet), shiny, hard, soft, rough, magnet, magnetic, attract, space, moon, planet, star, Antarctica, season, Spring, Summer, Autumn, Winter, cold, hot, Sun, light, dark, loud, quiet
Year 1	Wild, garden, plants, evergreen trees, oak, willow, pine, daffodil, daisy, tulip, deciduous, roots, stem/trunk, flowers, stalk, blossom, petal, fruit, berry, branch bark, bud, observe, describe, seeds, bulbs, water, light, temperature, grow, birds, amphibians, mammals. Names of specific examples from each vertebrate group e.g. frog, goldfish, rabbit, cat, dog, sheep, swan, duck etc., compare, reptiles, pets, human body, sense, object, material, properties, groups, wood, plastic, glass, metal, water and rock, Brick, paper, fabric, foil, elastic, card, rubber, wool, clay, Strong, weak, transparent, opaque, stiff, rigid, bendy, flexible, hard, soft, rough, smooth, stretchy, waterproof, absorbent, shiny dull see-through, Spring, Summer, Autumn, Winter, rain, snow, hail, fog, sun, cloudy, etc., warmer, colder, temperature, shorter, longer, darker, lighter, warmer, colder, sun, sunrise, sunset
Year 2	Habitat, humans, offspring, grow, adults, baby, toddler, child, teenager, adult, elderly, parent, exercise, hygiene, balanced diet, Balanced diet, carbohydrate, protein, fat, vitamins, meat, fish, pasta cheese etc., heart rate, heartbeat, bones, muscles, heart, energy, grow, germs, illness, disease, Polar, woodland, pond, hedgerow, city, tundra, jungle, shelter, frog, newt, pond skater, waterlily, pond weed, reeds, food chain, Life processes, movement, respiration, sensitivity, growth, reproduction, excretion, nutrition, living, dead, properties, materials, squashing, bending twisting and stretching, Force, push, pull, flexible, bendy, identify, compare
Year 3	Life processes, germination, overcrowding, fruit, petals, pollen, wind dispersal, water dispersal, animal dispersal, pollination, seed formation, producers, predators and prey, primary consumer, secondary consumer, tertiary consumer, herbivore, carnivore, omnivore nutrition, vertebrate/invertebrate, carnivore/herbivore/omnivore domestic/wild warm-blooded cold-blooded, classification keys, environment, Pollution, deforestation, habitat destruction, littering, natural change, human impact, flood, drought, seasonal change, wild-fire, positive impact, nature reserve, negative impact, migration, hibernation, rocks, organic matter, Clay, sandy, loamy, drainage, peat, Push pull attract, repel, contact force/non-contact force, horse shoe magnet, bar magnet, ring magnet, magnetic force, attract, repel, Metal, non-metal, steel, iron, copper, aluminium, brass, alloy, Magnetic, non-magnetic, North Pole, South pole, cells, wires, bulbs, switches and buzzers, component, sound/light/movement/heat, appliances, electricity, Complete circuit, incomplete circuit, conductors, insulators
Year 4	balanced diet, food groups, carbohydrates, sugars, starchy foods, protein, fats and oils, vitamins, minerals, fibre, water, fruit and vegetables, dairy products, calcium, muscles, energy, bones, teeth, digestive system, Mouth, tongue, teeth, oesophagus, stomach, small intestine, large intestine, anus, grind, chew, absorb, break down, saliva, molar, canine, incisor, premolar, bite, tear, grind, joints, skull, ribs, spine, skeletons, muscles, infant, child, adolescent, adult, pensioner, solids, liquids or gases, water, ice, steam, melting, freezing, melting point, boiling point, temperature, transparency, sounds, vibrations, sound source, insulation, quieter, faint, pitch, light, dark, absence of light, light source, light ray, sunlight, Mirror, smooth, shiny, uneven, surface, reflection, matt, protect, sun, dangerous, shadows, blocked, transparent, translucent, opaque, reflect
Year 5	Reproduce, sexual, sperm, fertilizes, egg, metamorphosis, asexual, runners, Rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, marble, chalk, granite, sandstone, slate, sedimentary rock, evaporation and condensation, comparative and fair tests, Solvent, soluble, insoluble, filtering, sieving and evaporating, mixing and changes of state, reversible changes, irreversible, Volts, motor, battery, components, switches, symbols, circuit diagram
Year 6	circulatory system, heart, blood vessels and blood, Pulse, pump, lungs, oxygen, carbon dioxide, drugs and lifestyle, classified, observable characteristics, Variation, sexual reproduction, species, light ray, light source, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune star, sun, solar systems, planets, moon, spherical, rotates, rotation, day, night, shadows