Science vocabulary progression

The Science vocabulary progression grids aim to visually demonstrate how we are continually building on children's scientific vocabulary.

The progression of Science vocabulary represents the vocabulary we aim for children to have secure understanding of and be able to confidently and accurately use by the end of that academic year. This does not mean that children cannot be exposed to vocabulary before this year group for example during their theme learning. However, if children are exposed to any vocabulary earlier than the age stated then there would not be expectation of them to remember and be able to accurately use this vocabulary outside of the themed block where taught. The voabluary progression grid aims to show the age we would expect a child to be able to understand this vocabulary and be able to revisit that understanding at other times of the year and apply it in a wide range of situations.

For example:

During receptions theme of 'The Zoo' the teaching may include the use of the words 'mammal' or 'reptile'. Children may understand these words and be able to correctly use these words during their blocked theme of 'The zoo'. However, the children may not remember these words or their definition by the end of the academic year and they are not expected to. These words are listed as year one therefore we would want children to have secure understanding of these words and be able to correctly use these words outside of theme learning by the end of year one. Any prior exposure to vocabulary will be beneficial.

Classify, identify, cause, effect, reaction, chemical, enquiry, contrast, solution, accurate, variables, communicate, report, present, conclude/ conclusion, theory, volume, measurement, characteristics, gather/ collect, data, quantity, mass, test tube, funnel, syringe, fair test, comparative test, analyse Experiment, observe/observing/observation, problem solving, measure, record, discover, Year one findings, investigate, explore, group, prediction, temperature, chart, diagram, graph, evaluate, map, compare, research, fair test, comparative test, weight, mixture, measuring jug, beaker, pipette, measuring cylinder, meter stick, trundle wheel, microscope, stopwatch, timer, thermometer, weight, bug collector/viewer Opposite, quess, predict, test, question, answer, fair/not fair, sort, describe, more, less, Reception bigger, smaller, changes, tools, explain, pattern, amount, safety goggles, tweezers, magnet, binoculars, lab coat, ruler, magnifying glass, torch, spade, pot, net, tongs Same, different, size, shape, colour, clock, cup, mirror, spoon

Animals, including humans

ear two

Muscles, skeleton, skull, backbone, ribs, hip bone, kneecap, joint, organs, brain, heart, lungs, stomach, intestine, liver, blood, veins, offspring, toddler, child, teenager, adult, middle age, old age, elderly, inherited, hygiene, germs, bacteria, balanced diet, digestion, nutrients, minerals, vitamins, calcium, energy, infection, disease, immune system, metabolism, carbohydrates, dairy, protein, sugar, fats, vegetarian, vegan, pupa, larva, spawn (frog), cocoon, metamorphosis, life cycle, life span, alive, living, dead, predator, prey, migration, adaptation, survival, vertebrate, invertebrate, abdomen, thorax, diurnal

Year one

Man, woman, face, neck, jaw, chest, stomach, shoulders, elbows, wrist, knee, ankle, shin, thigh, skin, tongue, senses, vision, touch, oxygen, carbon-dioxide, carnivore, herbivore, omnivore, amphibians, reptiles, mammals, warm blooded, cold blooded, blackbird, pigeon, seagull, salmon, goldfish, salamander, newt, toad, crocodile, turtle, snake, deer, jellyfish, lobster, endangered, species, gills, fins, scales, antennae, colonies, diet, domestic, captivity

Reception

Eyes, nose, mouth, ears, teeth, fingers, toes, hair, feel, see, smell, hear, taste, sound, sleep, exercise, healthy, unhealthy, breathing, egg, chick, owl, horse, insect, woodlouse, beetle, caterpillar, dragonfly, earthworm, tadpole, nest, wild, tiger, lion, elephant, penguin, monkey, zebra, giraffe, cub, pup, calf, lamb, foal, duckling, beak, feathers, fur, claws, nocturnal, shell (snail/crab), dinosaur, fossil, extinct, bones, prehistoric, triceratops, stegosaurus, tyrannosaurus, diplodocus, velociraptor

Nursery

Boy, girl, head, arms, legs, hands, feet, family, brother, sister, mum, dad, baby, pet, tail, wings, cat, dog, rabbit, hamster, bird, fish, butterfly, hedgehog, ant, spider, snail, slug, bug, frog, ladybird, fly, wasp, bee, mouse, pig, cow, sheep, chicken

Germination, pollination, survival, disperse, pollen, air, nutrients, temperature, thermometer, probe, tuber, fertilisation, cacti, nectar, photosynthesis Common, wild, garden, herbaceous plants, bulb, fern, moss, herb, deciduous, evergreen, Year one bud, fuchsia, iris, lavender, lily, pansy, poppy, primula, rose, sweet pea, bluebell, bramble, snowdrop, buttercup, cow parsley, dandelion, ivy, nettle, thistle, oak, ash, elder, horse chestnut, beech, silver birch, willow, sycamore, water, sunlight, greenhouse Grow, fruit, vegetable, seed, branch, root, stem, trunk, daffodil, pumpkin, soil, blossom, Reception berry, potato, broccoli, cauliflower, cabbage, pepper, onion, garlic, asparagus, spinach, corn, beetroot, cucumber, lettuce, avocado, strawberry, raspberry, blueberry, tangerine, pineapple, mango, melon, passionfruit, quava, lemon Nursery Leaf, petal, plant, flower, tree, grass, daisy, sunflower, farmer, banana, orange, carrot, peas, tomato, grape, raisins







