

Christ Church CE Academy – Science Vocabulary Map

Animals, including humans						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Eyes, ears, mouth, nose, neck, arms, hands, legs, feet, hair, body, teeth, face, healthy, unhealthy,	hair, eyes, face, nose, ears, teeth, mouth, head, neck, arm, elbow, hand, leg, knee, foot light, dark, blind, hear, loud, quiet, noisy, sweet, salty, sour, bitter, savoury, skin, rough, smooth, hard, soft, smell, scent, sniff, stench animal, mammal, fur, wild mammal, pet, bird, wings, beak, feathers, webbed feet, flippers, tail, fins, scales, gills, amphibian, frog, toad, newt, reptile, lizard, crocodile, turtle, carnivore, sharp teeth, herbivore, plants, vegetable, fruit, omnivore	shelter, heart, exercise, physical health, mental health, healthy diet, unhealthy diet, meat, sugar, germs, hygiene, doctor, disease, plaque, gums, filling offspring, egg, parent, baby, child, teenager, life cycle, adolescent, frogspawn, tadpole, froglet, caterpillar, pupa, butterfly, insect, adult	skeleton, skull, ribcage, pelvis, femur, spine, antennae, exoskeleton, joint, hinge joint, ball-and-socket joint, muscle, biceps, triceps, contract, relax carbohydrates, proteins, dairy products, fats, fruit and vegetables, balanced diet, balanced meal, nutrition, Eatwell Guide, vegan diet, vegetarian diet, omnivorous diet, pescatarian diet	incisors, canines, premolars, molars, enamel, root, decay, digestive system, mouth, oesophagus, stomach, small intestine, large intestine, rectum, saliva producer, consumer, prey, predator, farming, overfishing, hunting	foetus, elderly adult, milestone, womb, period, reproduce, hormone, puberty, life expectancy, gestation period, gestation	blood vessels, arteries, veins, capillaries, red blood cells, white blood cells, lungs, plasma, oxygen, atria, ventricles, right atrium, left atrium, right ventricle, left ventricle, oxygenated blood, deoxygenated blood calories, saturated fats, unsaturated fats, trans fats, drug, painkiller, depressant, stimulant, cigarette, tar, nicotine, vape, carbon monoxide, addiction, heart rate

Living things and their habitats						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Animals, farm, horse, sheep, pig, cow,		Arctic plants, hibernate, habitat,		vertebrate, invertebrate,	monotreme, mammary gland,	organism, excretion, reproduction,

chickens, coop, field, sty, barn		cactus, desert, rainfall, ocean, seagrass, woodland, fern, moss, microhabitat, spider, snail, diet, food chain, living, dead, never alive		softbodied invertebrate, flowering plant, non-flowering plant, seasonal changes, natural resources, rewilding, nature reserve	metamorphosis, larva, chrysalis, hatchling, nestling, fledgling, fertilisation, embryo, sperm cells, egg cells, sexual reproduction, anther, stigma, style, filament, ovary, ovule, clone, runner, tuber, asexual reproduction, cutting, parent plant	mollusc, arachnid, classification, coniferous tree, microorganism, bacteria, virus, fungi, characteristics
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Plants						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Plant, seed, soil, water, sunlight	plant, flower, leaf, petals, stem, roots, branch, trunk, roots, wildflower, daisy, garden plant, sunflower, nettle, buttercup, dandelion, deciduous tree, horse chestnut, oak, sycamore, evergreen tree, pine, holly, needles, seed, soil, growth	sunlight, compost, herb, blossom, bulb, shoot	water transportation, seedling, seed coating, germination, stamen, pistil, pollen, reproductive organs, pollination, pollinators, wind dispersal, animal dispersal, water dispersal, explosion dispersal, seed dispersal			

Materials						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Material, wood, plastic, metal, glass	material, shiny, dull, rock, heavy, light,	natural material, human-made			natural material, human-made	

	object, wood, metal, plastic, glass, wool, solid, liquid, melt, freeze, ice, float, sink, absorb, transparent, opaque	material, recycle, flexible, rigid, stone, pebble, brick, brittle, flexible, translucent, tough, lightweight, strong, breakable, waterproof			material, recycle, flexible, rigid, stone, pebble, brick, brittle, flexible, translucent, tough, lightweight, strong, breakable, waterproof	
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Seasonal Changes						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn, spring, summer, weather, cold, snow, sun, rain	autumn, daylight, night, weather, season, rainfall, weather, rain gauge, winter, rainy, snowy, windy, cloudy, frosty, sunny, spring, summer					

Rocks						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			granite, pumice, sandstone, chalk, marble, gneiss, crystals, grains, layers, texture, hardness, weathering, fossil, shell, fossilisation, sediment, sandy soil, clay soil, peat soil, chalky soil, organic matter, nutrients, deforestation, habitat loss			

States of Matter						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				solid, liquid, gas, states of matter, pouring solid, ooblek, flow, freezing, melting, boiling, condensation, evaporation, melting point, water cycle, precipitation, atmosphere, petri dish		

Earth and Space						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
					Solar System, orbit, Sun, planets, Pluto, celestial body, gravity, heliocentric model, geocentric model, rotate, axis, North Pole, South Pole, Earth, night, day, moon, gravitational force, satellite	

Sound						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				vibration, sound, volume, pitch, outer ear, ear bones, cochlea, ear drum, ear canal, decibel, insulate, high-pitched, low-pitched, background noise		

Light						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Light, dark, shadow			light sources, natural light sources, artificial light sources, Sun, sunglasses, protect, reflection, shadow			retina, iris, pupil, lens, ray diagram, solar eclipse, refraction, medium, rainbow, prism, coloured filter, spectrum of light

Forces and Magnets						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Pull, push, force			push, pull, force, contact force, friction, magnet, magnetic, poles, magnetic force, non-metal, iron, aluminium, steel, attract, repel		frictional force, motion, air resistance, parachute, surface area, water resistance, streamlined, non-contact force, gravity, weight, lever, gear, pulley, machine	

Electricity						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				appliances, plug, socket, cell, electrocuted, circuit, switch, battery, buzzer, conductor, insulator		series circuit, voltage, current, complete circuit, incomplete circuit

Evolution and Inheritance						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						variation, species, inheritance, desirable characteristics, polar habitat, desert habitat, adaptations, evolution, common ancestor, natural selection, finch, Galapagos Islands, decompose, Charles Darwin, palaeontologist, Mary Anning