

The Acorn Federation - Progression of Science Vocabulary

Within our mixed age classes, units of work are taught to mixed year groups, e.g. EYFS, Year 1 and 2; Year 3 and 4 and Year 5 and 6. Children may therefore be introduced to year-specific vocabulary from a different year group within the key stage.

		EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Biology	Plants	Tree, flower, stem, petal, fruit, seeds	Deciduous, evergreen, tree, leaves Flowers (blossom), Petals, Fruit, Roots, Bulb, Seed, Trunk, Branches, Stem, Oak, Holly, Willow, Birch, Chestnut, Conker, Daisy, Buttercup, Rose, Daffodil, fruit	Seeds, Bulbs, Water, Light, Suitable temperature, Grow, Healthy, Germinate, Decompose	Air, Light, Water, Nutrients, Soil, Reproduction, Transportation, Dispersal, Pollination, Flower,			
	Animals, including Humans	Fish, reptiles, pets, birds, senses, tongue, taste, nose, smell, ears, hearing, eyes, see, skin, touch	Fish, Reptiles, Mammals, Birds, Amphibians (+ examples of each) Herbivore, Omnivore, Leg, Arm, Elbow, Head, Ear, Nose, Back, Wings, Beak. Senses, hear, vision, taste, touch, smell	Survival, Water, Air, Food types (fruit, vegetables, bread, rice, milk, dairy, food high in sugar/fat Adult, Baby, Offspring, Kitten, Calf, Puppy, Exercise, Hygiene	Movement, Muscles, Bones, Skull, Nutrition, food types, carbohydrates, protein, vitamins & minerals. Skeletons Vertebrate, invertebrate	Digestive system, Mouth, Tongue, Teeth, Oesophagus, Stomach, digestive Small Intestine, Large Intestine, Herbivore, Carnivore, Canine, Incisor, Molar	Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, Elderly, Growth, Development, Puberty; Circulatory, Heart, Blood Vessels, Veins, Arteries, Oxygenated, Deoxygenated, Valve, Exercise, Respiration	

	Living Things and Their Habitats			Living, Dead, never been alive, Habitat, Energy, Food chain, shelter, Predator, Prey, Woodland, Pond, Desert Depend,		Classification, Vertebrates, Fish, Amphibians, Reptiles, Birds, Mammals, Invertebrates, Snails, Slugs, Worms, Spiders, Insects, Environment, Habitats	Habitats Mammal, Reproduction, Insect, Amphibian, Bird, Offspring; Classification, Vertebrates, Invertebrates, Microorganisms, Amphibians, Reptiles, Mammals, Insects	Organism. Micro-organism, fungus, classification, arachnid, mollusc, insect, crustacean
	Evolution and Inheritance							Fossils, Adaptation, Evolution, Characteristics, Reproduction, Genetics
Chemistry	Materials	Soft/hard Shiny/dull Squash squeeze stretch material wood glass, paper	Everyday Materials Wood, Plastic, Glass, Paper, Water, Metal, Rock, Hard, Soft, Bendy, Rough, Smooth	Materials Hard, Soft, Stretchy, Stiff, Shiny, Dull, Rough, Smooth, Bendy, Waterproof, Absorbent, Opaque, Transparent Brick, Paper, Fabrics, Squashing,		States of Matter Solid, Liquid, Gas, Evaporation, Condensation, water cycle, Particles, Temperature, Freezing,	Properties, including changes of, materials Hardness, Solubility, Transparent, Opaque, Translucent, Magnetic, Filter,	
	Rocks				Fossils, Soils, chalky, Sandstone, Granite, Marble, Pumice, Crystals, sedimentary,			

					metamorphic, igneous, absorbent/porous durable, permeable, impermeable			
Physics	Seasonal and climate change	Day and Night Sun and Moon	Summer, Spring, Autumn, Winter, Sun, Day, Moon, Night, Light, Dark, weather e.g. sleet, frost, thunder					
	Light				Light, source, see, visible, travel, reflection, angle, incidence, periscope, mirror smooth, shiny reverse, translucent, shadow, filter, absorb, observe, pattern, cast, shadows, mirror, reflective, dark			Refraction, Image, illuminate, straight line, waves, ray, beam, photon, energy, vacuum, scatter, bend, lens, transparent, UV light, UV rating, spectrum, pupil, retina, wavelength, rainbow, opaque,
	Forces and Magnets				Magnetic, Force, Contact, Attract, Repel, Friction, Poles, Push, Pull		Forces, Air resistance, Water resistance, Friction, Gravity, Newton, Gears, Pulleys, lever, force, pivot (fulcrum)	

	Sound	Loud and quiet sounds			sound, vibration, volume, amplitude, sound wave, vocal chords, Eardrum, ear canal, small bones, cochlea, Pitch, high, low, change sound distance, loud, quiet, telephone solids, liquids, medium	sound sources, vibration, volume, vibration, vocal chords, amplitude, sound wave, particle, medium, Pinna, stirrup, anvil, hammer, eardrum, cochlea, nerve, Eustachian tube pitch, high, low, column of air, length of string distance, loud, quiet, telephone, transmit, solids, liquids, vacuum, medium,		
	Electricity					Appliance, device, Cells, Wires, Bulbs, Switches, Buzzers, Battery, Circuit, Series, Conductors, Insulators, components, positive/negative crocodile clip, bright/ dim		As LKS2 plus Voltage, current, Resistance, solar power, wind power, generate, turbines, fossil fuels, vary circuits, symbols

	Earth and Space						Earth, Sun, Moon, Axis, Rotation, Day, Night, Phases of the Moon, star, constellation, waxing, waning, full, new, year, month, geocentric model, heliocentric model, shadow clocks, sundials, astronomical clocks	
		EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Working Scientifically Vocabulary		What? How? Sort and group.	What? How? Why? Similar, different, compare, sort and group.	Observe, change, slowly/quickly, describe, name identify, label, record measure, bigger and smaller, pattern, notice, cycle, predict.	What if...? Identify observe, Recognise, investigation, record units, table, fair test, plan, evidence, research, observations, prediction, tally.	Similarities and differences, source, scientists, discovery, process, cycle, measurements , conclude, evaluate, rank, vary, keep the same, bar graph, table, key.	Classify, interpret, pattern, relationship, prediction, interpret, conclude, evaluate, variable, constants, control repeat, relationship, line graph, plot	Hypothesis, variable, constants, evaluate, conclude, interpret, classify, categorise, database, analyse, enquiry, control repeat, support refute, hypothesis, reliable, scatter graph.