

Scientific Vocabulary Progression

Sale & Davys Primary School



		Reception	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	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, Carnivore, 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	RECAP all previous Vocabulary
	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

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C	Materials	Soft/hard Shiny/dull	Everyday Materials Wood, Plastic, Glass,	Materials Hard, Soft, Stretchy, Stiff, Shiny, Dull,		States of Mater Solid, Liquid, Gas,	Properties, including changes of, materials	RECAP all previous Vocabulary

		Squash/squeeze Stretch material wood glass paper	Paper, Water, Metal, Rock, Hard, Soft, Bendy, Rough, Smooth	Rough, Smooth, Bendy, Waterproof, Absorbent, Opaque, Transparent Brick, Paper, Fabrics, Squashing, Bending, Twisting, Stretching Elastic, Foil		Evaporation, Condensation, water cycle, Particles, Temperature, Freezing, Heating, Precipitation, transpiration, crystals,	Hardness, Solubility, Transparent, Opaque, Translucent, Magnetic, Filter, rusting,Evaporation, Dissolving, Mixing, Thermal conductor, thermal insulator, electrical conductor, electrical insulator	
	Rocks				Fossils, Soils, chalky, Sandstone, Granite, Marble, Pumice, Crystals, sedimentary, metamorphic, igneous, absorbent/porous, durable, permeable, impermeable			

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Physics	Seasonal Change	Day and Night Sun and Moon	Summer, Spring, Autumn, Winter, Sun, Day, Moon, Night, Light, Dark, weather ie sleet, frost, thunder					
	Light				Light, Shadows, Mirror, Reflective, Dark, Reflection, light source, cast			
	Forces & Magnets				Magnetic, Force, Contact, Attract, Repel, Friction, Poles, Push, Pull		Forces, Air resistance, Water resistance, Friction, Gravity, Newton, Gears, Pulleys, lever, force, pivot (fulcrum)	RECAP all previous Vocabulary
	Sound	Loud and quiet sound				Volume, Vibration, Wave, Pitch, Tone, Speaker		
	Electricity					Appliance, device, Cells, Wires, Bulbs, Switches, Buzzers, Battery, Circuit, Series, Conductors, Insulators, components,		As LKS2 plus Voltage, current, resistance

						positive/negative, crocodile clip, bright/ dim		
	Earth & 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	RECAP all previous Vocabulary
Environmental Sciences	Energy and Climate Change							Greenhouse effect emissions climate change sustainable solar power wind power hydro power fossil fuels carbon dioxide

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Working Scientifically		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	Gradually, identify observe, recognise investigate, record units, table, fair, evidence, research length, observations, prediction	similarities differences research and source, scientists discovery process cycle, measurements, conclude, evaluate rank, plan, vary keep the same/constant, bar graph, table tally	Classify, interpret, pattern, relationship, prediction, analyse, interpret conclude, evaluate, rank variable, constants, control repeat, key, relationship, line graph	Hypothesis, variable, constants, evaluate, plan conclude, interpret, classify, categorise, database, enquiry, control repeat, support refute, degree of trust, scatter graph