

# Scientific Vocabulary Progression

Sale & Davys Primary School



		Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Biology	<b>plants</b>	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,			
	<b>Animals</b>	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
	<b>Living Things and their Habitats</b>			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
	<b>Evolution and Inheritance</b>							Fossils, Adaptation, Evolution, Characteristics, Reproduction, Genetics

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Chemistry	<b>Materials</b>	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 Mater Solid, Liquid, Gas, Evaporation, Condensation, water cycle, Particles, Temperature, Freezing,	Properties, including changes of, materials Hardness, Solubility, Transparent, Opaque, Translucent, Magnetic, Filter,	RECAP all previous Vocabulary

				Bending, Twisting, Stretching Elastic, Foil		Heating, Precipitation, transpiration, crystals,	rusting,Evaporation, Dissolving, Mixing, Thermal conductor, thermal insulator, electrical conductor, electrical insulator	
	<b>Rocks</b>				Fossils, Soils, chalky, Sandstone, Granite, Marble, Pumice, Crystals, sedimentary, metamorphic, igneous, absorbent/porous, durable, permeable, impermeable			

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<b>Physics</b>	<b>Seasonal Change</b>	Day and Night Sun and Moon	Summer, Spring, Autumn, Winter, Sun, Day, Moon, Night, Light, Dark, weather ie sleet, frost, thunder					
	<b>Light</b>				Light, Shadows, Mirror, Reflective, Dark, Reflection, light source, cast			
	<b>Forces &amp; Magnets</b>				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
	<b>Sound</b>	Loud and quiet sound				Volume, Vibration, Wave, Pitch, Tone, Speaker		
	<b>Electricity</b>					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
	<b>Earth &amp; Space</b>						Earth, Sun, Moon, Axis, Rotation, Day, Night, Phases of the Moon, star, constellation, waxing,	RECAP all previous Vocabulary

							waning, full, new, year, month, geocentric model, heliocentric model, shadow clocks, sundials, astronomical clocks	
Environmental Sciences	<b>Energy and Climate Change</b>							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