SKETCHLEY HILL PRIMARY
SCIENCE VOCABULARY PROGRESSION

Working Scientifically

EYFS	Years 1 & 2	Years 3& 4	Years 5 & 6
• Look, closely, observe, watch • touch, feel • smell • listen • same, different, compare • ask questions, record, sort, group	• observe, changes, patterns, grouping, sorting, compare, same, different, identify (name), • measure, data, • record results, drawing, picture, table, tally chart, present, pictogram, block chart, Venn diagram, • ask questions, test, investigate, explore, • equipment, resources, magnifying glass, hand lens, ruler, tape measure, metre stick, pipette, syringe, spoon, teaspoon, • answer questions, interpret results, scientific enquiry, pattern seeking, comparative testing, observing over time, classifying, researching using secondary sources	• pr • actical work, fair testing, relationships, accurate, thermometer, data logger, stopwatch, timer, estimate, data, diagram, identification key, chart, bar chart, prediction, similarity, difference, evidence, information, findings, criteria, values, properties, characteristics, conclusion, explanation, reason, evaluate, improve	variables, independent variable, dependent variable, control variable, evidence, justify, argument (science), causal relationship, accuracy, precision, scatter graphs, bar graphs, line graphs, force meter

Science vocabulary overview

	Communication and language		Personal, social and emotional development.		Understanding the world	
EYFS						
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Animals including humans	Fish, Reptiles, Mammals, Birds, Amphibians (+ examples of each) Herbivore, Omnivore, Carnivore, Leg, Arm, Elbow, Head, Ear, Nose, Back, Wings, Beak	Survival, Water, Air, Food, Adult, Baby, Offspring, Kitten, Calf, Puppy, Exercise, Hygiene	Movement, Muscles, Bones, Skull, Nutrition, Skeletons,	Mouth, Tongue, Teeth, Oesophagus, Stomach, 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
Plants	Deciduous, Evergreen trees, Leaves, Flowers (blossom), Petals, Fruit, Roots, Bulb, Seed, Trunk, Branches, Stem	Seeds, Bulbs, Water, Light, Temperature, Growth	Air, Light, Water, Nutrients, Soil, Reproduction, Transportation, Dispersal, Pollination, Flower			
Living things and their habitats		Living, Dead, Habitat, Energy, Food chain, Predator, Prey, Woodland, Pond, Desert		Vertebrates, Fish, Amphibians, Reptiles, Birds, Mammals, Invertebrates, Snails, Slugs, Worms, Spiders, Insects, Environment, Habitats	Mammal, Reproduction, Insect, Amphibian, Bird, Offspring	Classification, Vertebrates, Invertebrates, Micro-organisms, Amphibians, Reptiles, Mammals, Insects
Electricity				Cells, Wires, Bulbs, Switches, Buzzers, Battery, Circuit, Series, Conductors, Insulators		Cells, Wires, Bulbs, Switches, Buzzers, Battery, Circuit, Series, Conductors, Insulators, Amps, Volts, Cell
Light			Light, Shadows, Mirror, Reflective, Dark, Reflection			Refraction, Reflection, Light, Spectrum, Rainbow, Colour,

Forces			Magnetic, Force, Contact, Attract, Repel, Friction, Poles, Push, Pull		Air resistance, Water resistance, Friction, Gravity, Newton, Gears, Pulleys	
Materials	Wood, Plastic, Glass, Paper, Water, Metal, Rock, Hard, Soft, Bendy, Rough, Smooth	Everyday materials and their uses Hard, Soft, Stretchy, Stiff, Shiny, Dull, Rough, Smooth, Bendy, Waterproof, Absorbent, Opaque, Transparent Brick, Paper, Fabrics, Squashing, Bending, Twisting, Stretching Elastic, Foil	Rocks Fossils, Soils, Sandstone, Granite, Marble, Pumice, Crystals, Absorbent	States of Matter Solid, Liquid, Gas, Evaporation, Condensation, Particles, Temperature, Freezing, Heating	Properties and changes of materials Hardness, Solubility, Transparency, Conductivity, Magnetic, Filter, Evaporation, Dissolving, Mixing	
Sound				Volume, Vibration, Wave, Pitch, Tone, Speaker		
Seasonal changes	Summer, Spring, Autumn, Winter, Sun, Day, Moon, Night, Light, Dark					
Earth and space					Earth, Sun, Moon, Axis, Rotation, Day, Night, Phases of the Moon, star, constellation	
Evolution inheritance.						Fossils, Adaptation, Evolution, Characteristics, Reproduction, Genetics
Working scientifically	question answer observe observing equipment identify classify sort group record - diagram, chart, map data compare, contrast describe biology chemistry physics		research - relevant questions scientific enquiry comparative and fair test systematic, careful observation accurate measurements equipment - thermometer, data logger data - gather, record, classify, present KS1 record - drawings, labelled diagrams, keys, bar charts, tables oral and written explanations conclusion predictions differences, similarities, changes evidence improve secondary sources guides, keys construct interpret		Plan, variables, measurements, accuracy, precision, repeat, readings, report, data - scientific diagrams, labels, classification keys, tables, scatter graphs, bar graph and line graphs, predictions, further comparative and fair test, report and present - conclusions, causal relationship, explanations, degree of trust, oral and written display and presentation. evidence - support, refute ideas or arguments identify, classify and describe patterns systematic quantitative measurements	