

Progression of Scientific Vocabulary and Sentence Stems Years 1-6

FS2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
look, feel, touch, smell, taste, explore, discover, investigate, describe, experiment, magnifying glass, growing, melting, change	Working Scientifically	Working Scientifically	Working Scientifically	Working Scientifically	Working Scientifically	Working Scientifically
	Animals including humans Fish, Reptiles, Mammals, Birds, Amphibians (+ examples) Herbivore, Omnivore, Carnivore, Taste, Smell, Vision/See, Touch, Hear, Leg, Arm, Elbow, Head, Ear, Nose, Back, Wings, Beak	Animals including humans Survival, Water, Air, Food, Adult, Baby, Offspring, Lamb, Kitten, Calf, Puppy, Exercise, Hygiene, Grow, Nutrition, Reproduce, Egg,	Animals including humans Movement, Muscles, Bones, Skull, Nutrition, Skeletons,	Animals including humans Mouth, Tongue, Teeth, Oesophagus, Stomach, Small Intestine, Large Intestine, Herbivore, Carnivore, Canine, Incisor, Molar	Animals including humans Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, Elderly, Growth, Development, Puberty	Animals including humans 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, Wild plants, Garden plants	Plants Seeds, Bulbs, Water, Light, Temperature, Growth, Blossom,	Plants Air, Light, Water, Nutrients, Soil, Reproduction, Transportation, Dispersal, Pollination, Flower	Living things and their habitats Vertebrates, Fish, Amphibians, Reptiles, Birds, Mammals, Invertebrates, Snails, Slugs, Worms, Spiders, Insects, Environment, Habitats	Living things and their habitats Mammal, Reproduction, Insect, Amphibian, Bird, Offspring	Living things and their habitats Classification, Vertebrates, Invertebrates, Micro-organisms, Amphibians, Reptiles, Mammals, Insects
	Everyday Materials Wood, Plastic, Glass, Paper, Water, Metal, Rock, Hard, Soft, Bendy, Rough, Smooth, Shiny/Dull, Waterproof, Absorbent, Stretchy, Stiff	Living things and their habitats Living, Dead, Habitat, Micro-habitat, Energy, Food chain, Predator, Prey, Woodland, Pond, Desert, Dry, Damp, Wet, Shade,	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	Evolution and Inheritance Fossils, Adaptation, Evolution, Characteristics, Reproduction, Genetics
	Seasonal Changes Summer, Spring, Autumn, Winter, Sun, Day, Moon, Night, Light, Dark, Wind, Rain, Snow, Hail, Fog, Sun, Hot, Warm, Cold	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	Light Light, Shadows, Mirror, Reflective, Dark, Reflection	Sound Volume, Vibration, Wave, Pitch, Tone, Speaker	Earth and Space Earth, Sun, Moon, Axis, Rotation, Day, Night, Phases of the Moon, star, constellation	Light Refraction, Reflection, Light, Spectrum, Rainbow, Colour,
			Forces and magnets Magnetic, Force, Contact, Attract, Repel, Friction, Poles, Push, Pull	Electricity Cells, Wires, Bulbs, Switches, Buzzers, Battery, Circuit, Series, Conductors, Insulators	Forces Air resistance, Water resistance, Friction, Gravity, Newton, Gears, Pulleys	Electricity Cells, Wires, Bulbs, Switches, Buzzers, Battery, Circuit, Series,

						Conductors, Insulators, Amps, Volts, Cell
	<p>I am investigating what happens... My results tell me that...</p> <p>Biology, Chemistry, Physics, Question, Answer, Observe, Equipment, Identify, Sort, Diagram, Compare, Describe, Group</p>	<p>I am investigating what happens... My hypothesis, what I think will happen... My results tell me that...</p> <p>Biology, Chemistry, Physics, Question, Answer, Observe, Equipment, Identify, Sort, Diagram, Chart, Data, Compare, Contrast, Describe, Group</p>	<p>I am investigating what happens... My hypothesis, what I think will happen... To make this a fair test, I must... My results tell me that...</p> <p>Research, Scientific Enquiry, Comparative & fair test, Accurate, Measurements, Equipment, Thermometer, Data logger, Data, Gather, Record, Classify, Record, Drawings, Labelled Diagram, Prediction, Differences, Similarities, Changes</p>	<p>I am investigating what happens... My hypothesis, what I think will happen... To make this a fair test, I must... The equipment I will need to carry out this experiment will be... My results tell me that...</p> <p>Research, Scientific Enquiry, Comparative & fair test, Accurate, Measurements, Equipment, Thermometer, Data logger, Data, Gather, Record, Classify, Record, Drawings, Labelled Diagram, Prediction, Differences, Similarities, Changes Systematic, Relevant, Keys, Bar charts, Tables, Oral and written explanation, Conclusion, Evidence, Improve, Secondary source, Guides, Construct, Interpret</p>	<p>I am investigating what happens... My hypothesis, what I think will happen... For this investigation, I will compare... To make this a fair test, I must... The equipment I will need to carry out this experiment will be... My results tell me that... As a conclusion, I have learnt that...</p> <p>Plan, Variables, Measurements, Accuracy, Record data, Scientific diagrams, Labels, Classification, Keys, Tables, Bar graph, Line graph, Predictions, Further Comparative and fair test, Report and present conclusions, Explanations, Oral and Written display and presentation, Evidence, Support, Refute ideas/arguments, Identify, Classify, Describe, Patterns, Systematic, Measurements</p>	<p>I am investigating what happens... My hypothesis, what I think will happen... For this investigation, I will compare... To make this a fair test, I must... The equipment I will need to carry out this experiment will be... My results tell me that... As a conclusion, I have learnt that...</p> <p>Plan, Variables, Measurements, Accuracy, Record data, Scientific diagrams, Labels, Classification, Keys, Tables, Bar graph, Line graph, Predictions, Further Comparative and fair test, Report and present conclusions, Explanations, Oral and Written display and presentation, Evidence, Support, Refute ideas/arguments, Identify, Classify, Describe, Patterns, Systematic, Measurements, Precision, Repeat readings, Scatter graphs, Casual relationship, Quantitative</p>