Long Sutton Primary School Science Progression of vocabulary

Subject: Science -	Y1/2	Y3/4	Y5/6
Concepts / big ideas	Similar Change Difference Classification Parts Survival Explore and Experiment Sorting Cycles	Pattern Energy Parts and Wholes Dependence Responsibility Balance Similarities Difference	Interdependence Relationship Significance Safety Creation (materials)
Verbs / skills	Remember (name) Test Observe and Identify Describe Measure Drawing and recording Explore Questions Draw and Record	Describe and Compare Explore and Investigate Discover Interpret Classify/Sort Construct Compare/Contrast Research Investigate	Classify Compare Discuss Explain Reason Remember Recognise Measure Fair test Demonstrate
Working Scientifically	Question and Answer Observe and Describe Test/Record Identify/Classify	Patterns Fairness Question, conclude, measure, answer Compare, make decision, gather Enquire Observe Present Classify Explain Fair Test Thermometer, Data logger Diagram, key, bar-chart, table Results, Evidence	Choices Classification Precision Support/refute Cause and Effect Judgements Control Justify Predict Conclude Compare Accuracy Variable

Nouns / content			
Plants/Living things	Deciduous (Trees) Seeds Evergreen (trees) Bulbs Temperature Germination Flowering plants Mature Plant parts and Structure Conditions	Parts of flowering plants Function/Structure Transportation Reproduction Conditions for Growth Formation and Dispersal Nutrition Key Categories Deforestation Environment Human Impact Habitats Ecology Population Vertebrate and Invertebrate Development	Life Process Common, observable, characteristics Reproduction (sexual/asexual) Micro-organisms, plants Mammal/amphibian/insect/bird Invertebrates/Vertebrates Growth Classification, system, sub-divisions Naturalist/Behaviouralist Scientist Prehistoric Seed/Stem/Root/Tubers/Bulbs
Animals	Fish, Amphibian, Reptile, Bird, Mammal Hygiene Omnivore Exercise Herbivore Need for Survival Carnivore Offspring Body Parts and Senses Nutrition Environment Reproduction Habitat Health	Skeletons Food Sources Function Teeth Muscles Digestive System- parts Support, Protection and Movement	Age Human circulatory system vocab Development Health and Harm Puberty Impact of: diet, exercise, drugs, lifecycle, substances Gestation Nutrients and water Transport

Seasons and habitats Evolution	Four Seasons Weather Day/Months/ Years Habitat/Micro-habitat Living, dead, never been alive	Food Chains Depend/ interdependence	Fossils Adapted Inherited Characteristics Advantages/Disadvantages Inhabited Environment Survival Million Evolution Palaeontologists Offspring Vary/variation Identical Survival
Materials and their properties	Physical Properties Opaque, Transparent, Translucent Material Names (not object) Suitability Squashing, Bending, Twisting, Stretching	Appearance Fossils Grain/ Crystal Sedimentary Organic Matter State: solid, liquid, gas Heating and cooling Temperature Evaporation and condensation (water cycle)	Properties of materials Dissolve Substance Solution Mixture Separation Reversible/Irreversible Filtering, sieving, evaporation
Physical Processes		Reflection Shadows Light Source Solid, Opaque, Transparent Dangerous Protect Attract/Repel Magnetic Force Poles Properties Vibration Medium	Spherical Earth/Sun/Moon Rotation Solar systems + planets Growth of ideas/theories Gravity Air Resistance Friction Levers, pulleys and gears Speed up/Slow down Water Resistance

		Pitch Sources Insulation Soundwaves Volume Circuit (Series, parallel) Componenets:Cell/wire/switch/buzzer Appliance Conductor Devices Insulator	Galileo/Newton Component Circuit diagram Symbols Series NOT parallel Systematic Straight lines Shape of shadows Reflection Phenomena: rainbow, bubble, filter The eye Light source