

Year 2 Science – Pupil Vocabulary

Working Scientifically	Plants	Animals (including humans)	Living things and their habitats		Uses of everyday materials		
Year 1 plus Chart Table Pictogram Tally chart Block diagram / graph Gather Order Notice Patterns Link ideas Stop watch Pipette	Year 1 plus; Seeding Shoot Fully grown Growth Healthy Wither Soil Earth Water Light Hot Cold Nutrients	Year 1 plus Adult Young Baby Toddler Child Teenager Grow Offspring Survival Basic needs- water, food, air etc. Common names of foods	Hygiene Infection Exercise Healthy Unhealthy	Living Alive Non-living Dead Move Grow Feed Breathe Have young Needs Shelter Heat Habitats Conditions Characteristics Adaption Food chain	Names of micro-habitats e.g. log, bush and local habitats e.g. pond Describe conditions of habitats e.g. damp, cold, dark Food chain Carnivore Herbivore	Year 1 plus Man-made Natural Describe features of change – pushing and pulling Suitable Use Useful Characteristics Properties Rigid Flexible Strong	Weak Reflective Non-reflective Transparent Opaque Translucent Shape Changes

Year 2 Science – Adult Vocabulary

Working Scientifically	Plants	Animals (including humans)	Living things and their habitats		Uses of everyday materials
Gather Evidence Data Venn diagram Identify Classify Rank Notice relationships	Mature plant Temperature Germinate/ germination Pollination Seed dispersal	Develop Reproduction Life cycle Heart rate Nutrition	Life processes Reproduce Respire Excrete Producer Consumer Source of food Seashore Ocean	Rainforest Micro-habitat Conditions Depends on/ suited to	Suitability Purpose

Year 3 Science – Pupil Vocabulary

Working Scientifically	Plants	Animals (including humans)	Rocks	Light	Forces and magnets	
KS1 plus: Scientific enquiry Similarities Differences Observations Keys Bar charts Thermometer Data logger Changes over time Identify Classify Evidence Conclusion Prediction	KS1 plus: Magnifying glass Microscope Comparative test Fair test Careful Present Data Result Support Not support	KS1 plus: Part Role Temperature Absorb Soil Well-drained Fertiliser Nutrients Plant life cycle Transported Pollination	KS1 plus: Nutrition Nutrients Dietary fibre Balanced diet Carbohydrate Protein Vitamins Minerals Fat Skeleton Muscles Support Protection Movement Brain Blood vessels	Rock Stone Pebble Boulder Absorb water Let water through Soil Fossil Grain Crystals Layers Texture Molten magma Name common properties such as hard, brittle, rough, smooth Name common rock and soil types such as marble, chalk, clay, sandy, pumice etc.	Light Light source Names of light sources; torch, lamp, sun etc. Dark Darkness Reflect Reflective Mirror Shadow Black/ absorb Direction of light Transparent Opaque Translucent Bright Dim Light beam Sunlight	Force Gravity Push Pull Direction of force Magnet Magnetic Force Strength Attract Air resistance Streamlined Float Sink Friction Force meter Bar magnet Ring magnet Button magnet Horseshoe magnet Repel Poles North Pole South Pole Constant force Non constant force Newton meter Newton

Year 3 Science – Adult Vocabulary

Working Scientifically	Plants	Animals (including humans)	Rocks	Light	Forces and magnets
Systematic Accurate Disprove Notice relationships	Structure Function Plant tissues Pores Competition for resources	Vertebrates Invertebrates Endoskeleton Exoskeleton	Erosion Strata Particles Physical properties Porous Permeable/ impermeable	Speed of light Emit Light spectrum	Constant force Non-constant force Newton meter Newton

Year 4 Science – Pupil Vocabulary

Working Scientifically	Sound		Animals (including humans)	Living things and their habitats		States of matter		Electricity		
Previous plus Increase Decrease Accurate Appearance	Sound Sound source Noise Vibrate Vibration Travel Sound wave Pitch Volume Loud Quiet Tune High Low Echo Tuning fork Insulation	Instrument Percussion String Bass Woodwind Tunes	Previous plus Digestive system Digestion Saliva Oesophagus Stomach Small intestine Large intestine Absorb into bloodstream Swallowing Chewing Rectum Anus Faeces Consumer	Producer Predator Prey Canine Incisor Pre-molar Molar Cavities Dentine Plaque Pulp- cavity Fluoride Tooth decay Nerve Gums Enamel	As KS1 plus Classification key Environment Fish Reptiles Amphibians Mammals Birds Vertebrates Invertebrates Human impact Plant groups (trees, grasses, flowering plants, non- flowering plants)	Names of some common invertebrates	KS1 plus Air Oxygen Powder/ Grain Granular Changes of state Gaseous Particles Water vapour Water cycle Heating Cooling Degree Celsius Melt Freeze Boil	Evaporate Evaporation Condense Condensation Energy transfer	Electricity Electrical device Electrical appliance Mains Plug Components Conductor Insulator Circuit symbol Cell Battery Wire Bulb Switch Buzzer Motor Connection	Simple circuit Complete circuit Closed circuit Open circuit Positive Negative Crocodile Clip

Year 4 Science – Adult Vocabulary

Working Scientifically	Sound	Animals (including humans)	Living things and their habitats		States of matter	Electricity
Notice relationships Systemic Disprove	Strength of vibration Reflection of sound	Chemical enzymes breakdown food Gastric juices Reabsorption of water	Organism Population Deforestation Development Pollution Positive human impact Negative human impact	Variation characteristics	Solidify Boiling point Precipitation Transpiration Forces of attraction	Series circuit Terminal

Year 5 Science – Pupil Vocabulary

Working Scientifically	Properties and changes of materials	Animals (including humans)	Living things and their habitats	Earth and space	Forces
<u>Previous plus</u> Opinion Fact Variables Independent variable Dependent variable Controlled variable Precision Classification keys Scatter graph Line graph Notice relationships Support	<u>Previous plus</u> Solubility Burning Electrical Rusting conductivity Gas given Thermal off conductivity Mixture New material Filtering Buoyancy Sieving Suspension Reversible Dissolve change Solution Irreversible Soluble change Insoluble Hard to Solute reverse Solvent	<u>Previous plus</u> Reproduction Filament Sexual Style Asexual Sepal Germination Carpel Pollination Insect Birth Eggs Fertilisation Live Menstrual young cycle Egg cell Puberty Embryo Seed dispersal Ovary Formation Placenta Pollen Penis Stamen Testes Stigma Vagina Anther Uterus	Same as 'animals, including humans'	Earth Earth Planets Mars Sun Jupiter Solar Saturn system Uranus Moon Neptune Celestial Pluto body Time zone Sphere Orbit Spherical Elliptical orbit Rotation Revolve Spin Shadow Phases of Clocks the moon Sundials Axis/axes Asteroids Night Comets Day Galaxy Mercury Meteors Venus Light years	<u>Previous plus</u> Mechanism Water resistance Levers Pulleys Gears Springs Drag forces Transference of force and motion

Year 5 Science – Adult Vocabulary

Working Scientifically	Properties and changes of materials	Animals (including humans)	Living things and their habitats	Earth and space	Forces
Degree of trust Causal relationship Refute	Combustion Oxidisation Chemical reaction Residue Filtrate	Plantlets e.g. Gestation spider plants Hormones Runners e.g. strawberry plants plants Chromosomes Ovum Zygote Fallopian tube	Same as 'animals, including humans'	Geocentric model Heliocentric model	

Year 6 Science – Pupil Vocabulary

Working Scientifically	Evolution and inheritance	Animals (including humans)	Living things and their habitats	Light	Electricity
<u>Previous plus</u> Systematic Causal relationships Refute Degree of trust	Evolution selection Adaptation Variation Genes Reproduction DNA Competition Chromosomes Environmental Evolutionary variations change Survival of the Features fittest Inherit Inheritance Environmental conditions Fossil records Natural	<u>Previous plus</u> Circulatory Ventricles system Aorta Blood vessel Windpipe Capillaries Diaphragm Arteries Bronchi Veins Pulmonary Red blood cell vein/ White blood artery cell Lifestyle Oxygen Drugs Carbon Diet dioxide Heart rate Lungs Clotting Air sacs plasma	<u>As previous plus</u> Organism Micro-organism Bacteria Microbes Fungus Name invertebrates; Arachnid Mollusc Insect Crustacean	<u>As previous plus</u> Absorption Transmission Lenses Optics Prism Rainbow Refraction Spectrum	<u>Year 4 plus</u> Series circuit Terminal Voltage Volume Current Resistance Circuit diagrams Parallel circuit

Year 6 Science – Adult Vocabulary

Working Scientifically	Evolution and inheritance	Animals (including humans)	Living things and their habitats	Light	Electricity
	Dominance Recessive	Gaseous exchange Oxygenated/ deoxygenated Respiratory system Aerobic system Trachea Haemoglobin Bronchioles Alveoli			