Topic: Working scientifically

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Questions Answers Equipment Measure Sort Group Test Explore Observe Compare Describe Similar/similarities Different/ Differences	**Previous vocabulary plus:** Gather Record Results Egg timers Ruler Tape measure Metre stick Beaker Pipette Syringe	**Previous vocabulary plus:** Pictogram Tally chart Block diagram Venn diagram Table Chart Order Observe changes over time Notice patterns Link Secondary sources Hand lenses Stop watch	**Previous vocabulary plus:** Types of scientific enquiry Changes Identify Classify Comparative tests Fair tests Careful Accurate Observations Evidence Present Data/evidence/results Keys Bar charts Results Conclusions Predictions Support/not support Thermometers Data loggers Magnifying glass Microscope	**Previous vocabulary plus:** Increase Decrease Appearance	**Previous vocabulary plus:** Opinion/fact Variables Independent variables Dependent variables Controlled variables Accuracy Precision Degree of trust Classification keys Scatter Graphs Line graphs Casual relationships Support/refute	**Previous vocabulary**

Topic: Plants

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Names of locally found garden plants Names of locally found flowering plants Names of locally found trees Leaf/leaves Flower Blossom Petal Fruit Berry Root Seed Trunk Branch Stem Bark Vegetable Names of flowers grown Names of vegetables grown	**Previous vocabulary plus:** Bulb Stalk	**Previous vocabulary plus:** Fully grown Water Light Damp/wet/dry Dark/light Hot/warm/cool/cold Use comparatives e.g. hotter Grow/growth Healthy Shoot Seedling Wither/limp Die Dry/crispy Soil Earth	**Previous vocabulary plus:** Part Role Air Nutrients Soil Fertiliser Transported Life cycle Pollination Seed formation Seed dispersal			

Topic: Animals, including humans

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Names of common animals (fish, amphibians, reptiles, birds & mammals) Wild animals Pets Body Head Neck Arms Elbows Legs Knees Face Ears Eyes Eyebrows Eyelashes Nose Hair Mouth Teeth Tongue Feet Toes	**Previous vocabulary plus:** Names of common animals (that eat other animals, eat plants and eat plants and animals) Calf Thigh Hips Waist Trunk Chest Back Wrist Claw Fin Scales Beak Rough/smooth Bright/dim High/low Repeating/continuous (sound)	**Previous vocabulary plus:** Offspring Babies Young Grow Change Adults Older/younger Baby/toddler/child/teenager Basic needs Water Food Air Breathing Survival Exercise Food types Fruit and vegetable Bread, rice, potato, pasta Milk and dairy foods Foods high in fat or sugar Meat, fish, egg, beans Hygiene Clean Wash Healthy	**Previous vocabulary plus:** Nutrition Nutrients Carbohydrates Protein Vitamins and minerals Fat Dietary fibre Balanced diet Skeleton Muscles Support Protection Movement Skull Ribs Spine/vertebra Joints Sockets Bones Tendons	**Previous vocabulary plus:** Digestive system Canines Incisor Molar Pre-molar Saliva Rip, tear, chew, grind, cut Oesophagus (gullet) Stomach Small intestine Large intestine Rectum Anus Carnivore Herbivore Omnivore Producer Consumer		**Previous vocabulary plus:** Circulatory system Heart Blood Blood vessels Pumps Oxygen Carbon dioxide Lungs Water Diet Exercise Lifestyle

Fingers Nails Ankle Shoulders Hands Tail Wing Feathers Fur Senses Hear/hearing See/seeing Touch/touching Smell/smelling Taste/tasting Loud/Quiet		Medicine Drugs		Predator Prey Food chain		

Topic: Living things (habitat)

Year 2	Year 3	Year 4	Year 5	Year 6
Living Dead Never been alive Move Grow Feed Have offspring/young/babies Name local habitats (under a log, on a stony path, under bushes) Damp/wet/dry Dark/light Hot/warm/cold/cool Use comparatives e.g. hotter Suited/suitable Basic needs Depend Food Food chain Shelter		**Previous vocabulary plus:** Classification keys Environment Fish Amphibians Reptiles Birds Mammals Vertebrates Invertebrates Name some invertebrates Human impact Name positive human impact Name negative human impact	**Previous vocabulary plus:** Life cycle Reproduction Sexual Asexual Germination Pollination Seed formation Seed dispersal Pollen Stamen Stigma Plantlets e.g. spider plant Runners e.g. strawberry plant Mammal Amphibian Insect Bird Fish Reptile Eggs Live young	**Previous vocabulary plus:** Organism Micro-organism Fungus Mushrooms Arachnid Mollusc Insect Crustacean

Topic: Materials

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Paper Card/cardboard Wool Clay Hard Soft Stretchy Waterproof	**Previous vocabulary plus:** Object Material Wood Plastic Glass Metal Water Rock Brick Fabrics Elastic Foil Rubber Stiff Bendy/floppy Absorbent Breaks/tears Rough Smooth Shiny	**Previous vocabulary plus:** Suitable/unsuitable Use/useful Property Rigid Flexible Strong/weak Reflective Non reflective Transparent Opaque Translucent Shape Changed Push/pushing Pull/pulling Twist/twisting Squash/squashing Bend/bending Stretch/stretching Pinch/pinching Poke/poking		**Previous vocabulary plus:** States of matter Solid Liquid Gas Air Oxygen Powder Grain/granular Crystals Change state Ice/water/steam Water vapour Heated/heating Cooled/cooling Temperature Degrees Celsius Melt Freeze Solidify Melting point Molten	**Previous vocabulary plus:** Solubility Electrical conductivity Thermal conductivity Dissolve Solution Soluble Insoluble Solute Solvent Particle Mix/mixture Filtering Sieving Residue Reversible changes New material Not usually	

	Dull See through Not see through	Roll/rolling Squeeze/squeezing		Boil Boiling point Evaporate/evaporation Condense/condensation Water cycle Precipitation Transpiration	reversible Burning Gas given off Rusting	

Topic: Electricity Year 6
Electricity Appliances/device Electrical circuit Complete circuit Circuit diagram Circuit symbol Components Cell Battery Positive/negative Terminal Connect/connection Loose connection Short circuit Wire Crocodile clip Bulb Bright/dim Switch Buzzer Volume Motor Fast(er)/slow(er) Conductor Insulator Metal/non metal Voltage Current Resistance

Topic: Evolution and inheritance Year 6
Evolution Suited/suitable Environment Adapted/adaptation Offspring Characteristics Vary/Variation Inherit/inheritance Fossils

Topic: Seasonal change	
EYFS	Year 1
Season Spring Summer Autumn Winter Weather Hot/warm Cool/cold Sun/sunny Cloud/cloudy Wind/windy Rain/Rainy Snow/snowing Rainbow Day/night	**Previous vocabulary plus:** Hail/hailing Sleet Frost Fog/mist Ice/icy Thunder Lightening Storm Light/dark

Topic: Rocks Year 3
Rock Stone Pebble Boulder Soil Fossils Grains Crystals Hard/soft Texture Absorb water Let water through Marble Chalk Granite Sandstone Slate Sandy soil Clay soil Chalky soil Peat

Topic: Light Year 3
Light Light source Names of light sources e.g. torch Dark/darkness Reflect Reflective Mirror Shadow Block Direct/direction Transparent Opaque Translucent Year 6: Absorb

Topic: Earth and space Year 5
Earth Planets Sun Solar system Moon Celestial body Sphere/spherical Rotate/rotation Spin Night and day Mercury Venus Mars Jupiter Saturn Uranus Neptune Pluto ‘Dwarf’ planet Orbit Revolve Geocentric model Heliocentric model Shadow clocks Sundials Astronomical clocks

Topic: Forces and magnets

Year 3	Year 4	Year 5	Year 6
Force Push/pushing Pull/pulling Contact force Non contact force Magnetic force Magnet Strength Bar magnet Ring magnet Button magnet Horseshoe magnet Attract Repel Magnetic material Metal Iron Steel Non magnetic material Poles North pole South pole		As in Year 3: Magnetic force Magnet Attract Forces: Fall Earth Gravity Air resistance Water resistance Friction Moving surfaces Mechanisms Levers Pulleys Gears Force Transfers	