

Key Vocabulary - Scientific Vocabulary Progression

Class 1	Class 2	Class 3	Class 4
Measure Prediction Fair test	Measure Prediction Fair test Conclusion Question Observe Variable Equipment Results	Fair test Variable Method Equipment Results Conclusion Prediction Supports Observe Experiment Measure Question	Independent Variable Dependent Evidence Prediction Fair test Method Equipment Results Conclusion Accurate Reliable Supports Observe Measure Question Evaluation Biology Chemistry Physics Independent Controlled Evidence Accurate Reliable

Plants

Class 1	Class 2	Class 3
<p style="text-align: center;">Branches Leaf /Leaves Flowers</p>	<p style="text-align: center;">Common Wild plants Garden plants Deciduous Evergreen Trunk Root Bud Bulbs Seed Blossom Petals Stem Fruit Vegetable Water Light Suitable temperature Grow Healthy Germination Reproduction</p>	<p style="text-align: center;">Flowering plant Nutrient Fertiliser Pollination Seed formation Seed dispersal Photosynthesis Stamen Stigma Style Filament Ovary Sepal</p>

Materials

Class 1	Class 2	Class 3	Class 4
Plastic Glass Paper Water Hard/Soft	Wood Metal Rock Brick Cardboard Fabric Elastic Foil Stretchy/Stiff Shiny/Dull Rough/Smooth Bendy/not bendy Waterproof/not Waterproof Absorbent/not Absorbent Squashing Bending Twisting Stretching	Physical properties Sedimentary rock Igneous rock Metamorphic rock Organic matter Soil Solid Liquid Gas Melt Freeze Evaporate Condense Condensation Water vapour Changing state Heated /Cooled Degrees Celsius Thermometer	Solubility Transparency Conductive/ Conductivity (thermal and electrical) Insulate Solution Separate Filtering Sieving Evaporating Dissolving Mixing Reversible/Irreversible Changes Rusting

Light and Sound

Class 1	Class 2	Class 3	Class 4
Loud Quiet Volume Sound	Lets light through/ doesn't let light through Shadow Blocked	Light Dark See Reflect Surface Natural light Artificial light Solid Sunlight Transparent Translucent Opaque Vibrate vibration Vibrating Air Medium Ear Hear Sound Volume Pitch Faint Fainter Loud Louder String Percussion	Travels Straight Reflection Periscope Light source Rainbow Filter Spectrum

		Woodwind Brass Insulate	
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Forces

Class 1	Class 3	Class 4	
<p style="text-align: center;"> Push Pull Twist Squash Stretch </p>	<p style="text-align: center;"> Force Push Pull Open Surface Magnet Magnetic Attract Repel Magnetic poles North South </p>	<p style="text-align: center;"> Earth and space Earth Sun Moon Planets Star Solar system Mercury Venus Mars Jupiter Saturn Uranus Neptune Pluto Dwarf planet Rotate Orbit Axis Celestial body Spherical Sphere Satellite </p>	<p style="text-align: center;"> Eclipse Universe Solar Forces Gravity Air resistance Water resistance Friction Surface Force Effect Move Accelerate Decelerate Stop Change direction Brake Mechanism Pulley Gear Spring Theory of gravitation Galileo Galilei Isaac Newton </p>

Animals including Humans

Class 1

Class 2

Class 3

Class 4

Water Food Air Animal Head Legs Arms Knee Elbow Neck Face Feet Hands Chicken Hen Kitten Cat Puppy Dog Duckling Duck	Fish Amphibians Reptiles Birds Mammals Pets Carnivores Herbivores Omnivores Head Neck Arms Elbows Legs Knees Face Ears Eyes Mouth Teeth	Offspring Grow Adults Nutrition Reproduce Survival Exercise Hygiene Egg-chick-chicken Egg-caterpillar-pupa- butterfly Spawn-tadpole-frog Baby-toddler-child- teenager-adult	Diet Vitamins Minerals Fat Protein Carbohydrates Fibre Skeleton Skull Brain Ribs Heart Lungs Joint Muscles Contract/relax	Teeth and eating: Incisor Molar Canine Diet Decay Healthy Teeth Acids/Sugars Mouth Rip Tear Chew Grind Digestive system: Saliva Tongue Waste Nutrients/Energy Stomach Large/small intestine Brain Lungs Acids Urine Faeces Oesophagus	New born Infant Child Teenager Puberty Adult Wrinkles Grey hair Height Weight	Heart Veins Arteries Capillaries Blood Pulse Oxygen Carbon dioxide Nutrients Organs Drugs Medicines Minerals Vitamins Lungs Caffeine Medical Legal/illegal
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Living things and their Habitats **EY**

Class 1	Class 2		Class 3	Class 4	
Spring Summer Autumn Winter Day/night Dark/Light Season Moon Sun	Seasons Autumn Spring Summer Winter Deciduous Evergreen Shoot Fruit Earth Seeds Leaves Flowers Weather types: Rain/ hail/ snow/ ice/ frost/ sun/ showers/ wind Reproduce Babies/adults Life cycles Birds Insects Sunrise Sunset	Dead/alive Living/non-living Carnivores Herbivores Omnivores Habitats Breathe Grow Eat, Babies Move Sense Habitat Microhabitat Food chain Predator Prey	Predator Prey Producer Vegetation Shelter Vertebrate Invertebrate Classify Characteristic, Flowering plant Non- flowering plant (fern, moss) Movement Respiration Sensitivity Growth Reproduce Excretion Nutrition Food Web	Live young Hatch Tadpole Caterpillar Butterfly Ladybird Pupae Larvae Chrysalis, Reproduction Asexual Sexual Life cycle Pollination Seed dispersal Pollen Stamen Stigma Ovary	Microorganism Microbe Fungus Bacteria Virus Classified Classification key Yeast Characteristic Microscope Variety Variation Offspring Species Competition Adapt Adaptation Reproduce Survive Evolve Fossil record Gills/blubber/moulting Generation

	Electricity		KEY
Class 1	Class 3	Class 4	
Battery Electricity Switch	Battery Cell Wires Switch Crocodile clips Buzzer Bulb Circuit Symbols Insulator Conductor Plastic Metal Appliance Component	Voltage Current Series Component Circuit Conductor Positive/negative terminal Complete circuit Battery Cell	