

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
Branches Leaf /Leaves Flowers	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	Flowering plant Nutrient Fertiliser Pollination Seed formation Seed dispersal Photosynthesis Stamen Stigma Style Filament Ovary Sepal

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	
Push Pull Twist Squash Stretch	Force Push Pull Open Surface Magnet Magnetic Attract Repel Magnetic poles North South	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	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

Animals including Humans			
Class 1	Class 2	Class 3	Class 4

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

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	