



SCIENCE ~ Vocabulary Map



	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
DISCIPLINARY							
Questioning	- What...? - How? - Why ...?	- Questions - Answers - What...? - How? - Why ...?		Relevant questions	Scientific enquiry		
Observing and Measuring	- Same, - Different	- Compare - Similar - Different - Best and worst - Biggest - Smallest - Drawing - Look - Change - Explore - Equipment - Magnifying glass / Hand lens - Pipette - Syringe - Teaspoon	- Observe - Notice - Change - Slowly - Quickly - Describe - Record - Measure - Equipment - Ruler - Tape measure - Metre stick - Egg timer	- Thermometer - Stopwatch - Timer - Gradually - Recognise - Data - Length	- Data logger - Estimate	Force meter	
Testing		- Plan - Test	Investigate	- Fair test - Comparative test	Keep the same/constant	- Variables - Constants - Control	- Evaluate - Repeat
Identifying (& Classifying)		- Biggest and smallest - Compare - Sort and group (by given categories) - Label	- Identify - Sort and group (sometimes by their own categories) - Name	- Classify - Relationships - Key		Database	Categorise
Hypothesising			Predict	- Prediction - Develop enquiry			Hypothesis

Interpreting and Recording Data		- Simple prepared Table used for sorting (2 columns) - Venn diagram	- Results - Simple prepared table used for recording results (multiple rows and columns) - Pattern - Notice - Cycle - Tally - Venn diagram	- Record - Evidence - Units - Bar chart - Conclusion - Explanation - Argument (Science)	- Accurate - Evaluate - Rank - Graph	- Interpret - Analyse - Line graph	- Opinion - Fact - Scatter graph - Degree of trust - Support - Refute - Causal relationship
SUBSTANTIVE							
Animals including humans	- Senses - Touch - Taste - Sight - Hearing - Smell - Change - Cycle - Hatch - Animals - Nocturnal - Hibernate	<u>Names of animal groups:</u> - Fish - Amphibians - Reptiles - Birds - Mammals - Insects <u>Animal diets:</u> - Carnivore - Herbivore - Omnivore <u>Human and animal body parts:</u> e.g. - Body - Head - Neck - Arms - Elbows - Legs - Knees - Face - Ears - Eyes - Nose	<u>Survival and staying healthy:</u> - Basic needs - Survive - Food - Air - Exercise - Healthy - Hygiene - Germs <u>Life cycles:</u> - Adult - Develop - Life cycle - Offspring - Young, - Live young - Egg - Chrysalis - Butterfly - Caterpillar - Chick	<u>Food groups:</u> - Fruit and vegetables - Proteins - Dairy and alternatives - Carbohydrates - Oil and spreads - Fat - Salt - Sugar - Nutrition <u>Skeletons and muscles:</u> - Skeleton - Muscles - Joints - Protection - Support - Organs - Biceps - Triceps - Contract - Relax - Bone - Shell - Vertebrate - Invertebrate	<u>Digestive system:</u> - Digest - Digestion - Mouth - Tongue - Teeth - Saliva - Oesophagus - Stomach - Small intestine - Large intestine <u>Types of teeth and dental care:</u> - Molar - Premolar - Incisor - Canine - Wisdom teeth - Tooth decay	<u>Process of reproduction:</u> - Gestation - Asexual reproduction - Sexual reproduction - Fertilised <u>Changes and life cycle:</u> - Embryo - Adolescence - Adulthood - Life expectancy - Old age - Stages	<u>Circulatory system:</u> circulation - heart - heart rate - lungs - breathing - blood vessels - blood - transported - oxygenated - deoxygenated - oxygen - Arteries - Veins - Capillaries - Chambers - Plasma - Platelets - white blood cells - red blood cells - nutrients <u>Lifestyle:</u> - Drug - Alcohol - Smoking

		• Hair • Mouth • Teeth • Hands • Feet • Tail • Wings • Feathers • Fur • Beak • Fins • Gills <u>Human senses:</u> • Sight • Hearing • Touch • Smell • Taste <u>Exploring senses:</u> • Loud • Quiet • Soft • Rough		• Endoskeleton • Exoskeleton <u>Names of human bones:</u> e.g. • Skull • Spine • Backbone • Ribcage • Humerus			• Disease • Calorie • energy
Plants	• Plants • Growing • Seeds	<u>Names of common plants:</u> • Wild plant • Garden plant	<u>Growth of plants:</u> • Germination • Shoot • Grow	<u>Water transportation:</u> • Transport • Nutrients • Absorb			

		• Evergreen tree • Deciduous tree • Common flowering plant • Weed • Grass <u>Name some features of plants:</u> e.g. • Flower • Vegetable • Fruit • Berry • Leaf/leaves • Blossom • Petal • Stem • Trunk • Branch • Root • Seed • Bulb • Soil • <u>Name some common types of plant</u> e.g. • Flower • Sunflower • Daffodil	• Food store • Life cycle • Die • Wilt • Seedling <u>Needs of plants:</u> • Sunlight • Light • Healthy • Space • Air <u>Name different types of plant:</u> e.g. • Bean plant • Daffodil • Daisy • Dandelion	• Anchor <u>Life cycle of flowering plants:</u> • Pollination (insect/wind), • Pollen • Petal • Stigma • Anther • Nectar • Pollinator • Seed formation • Seed dispersal (animal/wind/water) • Germinate • Water • Air • Warmth • Light • Nutrients			
Living Things and Their Habitats	• Nature • Habitat • Seaside • Ocean • Seas		<u>Living or dead:</u> • Living • Dead • Never living • Not living • Alive • Never been alive		<u>Grouping living things:</u> • Classification • Classification keys • Classify • Characteristics		<u>Classifying:</u> • Linnaean system Classify • Classification key • Species • Taxonomy

			• Healthy Habitats including microhabitats: • Depend • Shelter • Safety • Survive • Suited • Space • Minibeast • Air <u>Food chains:</u> • Food sources • Food • Producer • Consumer • Predator • Prey <u>Names of habitats and microhabitats:</u> e.g. • Under leaves • Woodland • Rainforest • Sea shore • Ocean • Desert • Arctic • Local habitat		<u>Plants:</u> • Flowering and Non-Flowering <u>Names of invertebrate animals:</u> • Snails and slugs • Worms • Spiders • Insects • Invertebrate • Vertebrate <u>Environmental changes:</u> • Environment • Environmental Dangers • Adapt • Natural Changes • Climate change • Deforestation • Pollution • Endangered • Species • Extinct		<u>Plants and animals:</u> • Vertebrate • Invertebrate • Animal • Plant • Mammal • Amphibian • Fish • Bird • Reptile • Arthropods, • Annelids • Molluscs <u>Microorganisms:</u> • Bacteria • Single-celled • Microbes • Microscopic • Virus • Fungi
Evolution and Inheritance							• Characteristic • Inherited • Acquired • Adaptation • Evolution • Natural selection

							• Fossil • Offspring • Variation • Environment, • Extinction
Seasonal Changes	• Seasons • Spring • Summer • Autumn • Winter • Weather	<u>Seasons:</u> • Spring • Summer • Autumn • Winter • Seasonal change <u>Weather:</u> e.g. • Sun • Rain • Snow • Sleet • Frost • Ice • Fog • Cloud • Hot/warm • Cold • Storm • Wind • Thunder • Weather forecast <u>Measuring weather:</u> • Temperature • Rainfall • Wind direction • Thermometer • Rain gauge <u>Day length:</u> • Night • Day • Daylight	<u>Seasons & Weather:</u> • Temperature • Thermometer • Shadows				
Forces				How things move:		Types of forces:	

				• Move • Movement • Surface • Distance • Strength <u>Types of forces:</u> • Push • Pull • Contact force • Non-contact force • Friction <u>Magnets:</u> • Magnetic • Magnetic field • Magnetic force • Bar magnet • Horseshoe magnet • Ring magnet • Magnetic poles (north pole, south pole) • Attract • Repel • Compass <u>Magnetic and non-magnetic materials:</u> e.g. • Iron • Nickel • Cobalt		• Air resistance • Water resistance • Earth's gravitational pull • Gravity <u>Mechanisms:</u> • Levers • Pulleys • Gears <u>Measurements:</u> • Weight • Mass • Kilograms (kg) • Scales • Speed • Fast • Slow	
Light	• Shadow • Light			<u>Light and seeing:</u> • Dark • Absence of light • Light source • Illuminate • Visible • Shadow • Translucent			<u>Light and seeing:</u> • Light • Dark • Absence of light • Light source • Illuminate • Visible • Shadow

				• Energy • Block • Opaque • Transparent <u>Light sources: e.g.</u> • Candle • Torch • Fire • Lantern • Lightning <u>Reflective light:</u> • Reflect • Reflection • Surface • Ray • Scatter • Reverse • Beam • Angle • Mirror • Moon <u>Sun safety:</u> • Sunlight • Sun • Dangerous • Clare • Damage • UV light • UV rating • Sunglasses • Direct			• Cast • Translucent • Energy • Block • Opaque • Transparent • Emit <u>Reflective light:</u> • Reflect • Reflection • Surface • Ray • Scatter • Reverse • Beam • Angle of incidence • Angle of reflection • Mirror • Phases of the moon • Periscope
Sound					<u>Making sound:</u> • Vibration <u>Measuring sound:</u> • Pitch • Volume • Sound wave	<u>Parts of the ear:</u> • Eardrum <u>Making sound:</u> • Vibration • Vocal cords • Particles	

					• Quiet • Loud • High • Low • Travel • Distance	<u>Measuring sound:</u> • Pitch • Volume • Sound wave • Quiet • Loud • High • Low • Travel • Distance	
Earth and Space						<u>Solar system:</u> • Star • Planet <u>Names of planets:</u> • Mercury • Venus • Earth • Mars • Jupiter • Saturn • Neptune • Uranus <u>Shape:</u> • Spherical bodies • Sphere <u>Movement:</u> • Rotate • Axis • Orbit • Satellite <u>Day length:</u> • Sunrise • Sunset • Midday • Time zone	
Electricity					<u>Electricity:</u> • Mains-powered • Battery-powered • Mains electricity • Plug		<u>Flow and measure of electricity:</u> • Voltage • Electrons • Volts (V)

					• Appliances • Devices <u>Circuits:</u> • Circuit • Simple series circuit • Complete circuit • Incomplete circuit <u>Circuit parts:</u> • Bulb • Cell • Wire • Buzzer • Switch • Motor • Battery <u>Materials:</u> • Electrical conductor • Electrical insulator <u>Other:</u> • Safety	• Current <u>Circuits:</u> • Symbol • Circuit Diagram • Component • Function <u>Variations:</u> • Dimmer • Brighter • Louder • Quieter
Materials & Rocks	• Float • Sink • Melt • Freeze	<u>Names of materials:</u> • Wood • Plastic • Glass • Metal • Water • Rock • Paper • Cardboard • Rubber • Fabric <u>Properties of materials:</u> • Hard • Soft • Shiny • Dull • Stretchy • Rough • Smooth • Bendy • Not bendy • Transparent	<u>Changing shape:</u> • Squash • Bend • Twist • Stretch <u>Properties of materials:</u> • Strong • Flexible • Light • Hard-wearing • Elastic • Suitability	<u>Properties of rocks:</u> • Permeable • Semi-permeable • Impermeable • Durable <u>Formation of rocks and fossils:</u> • Grains • Crystals • Fossils • Fossilisation • Layers • Bone • Fossil <u>Soil:</u> • Sandy • Chalky • Clay • Organic matter • Compost	<u>States of matter:</u> • Solids • Liquids • Gases <u>State change:</u> • Evaporate • Condense • Melt • Freeze • Heat • Cool • Melting point • Freezing point • Boiling point • Water vapour <u>Water cycle:</u> • Precipitation • Evaporation • Condensation • Ground run-off • Collection • Underground water	<u>Properties of materials:</u> • Thermal conductor/insulator, • Magnetism, • Transparency. <u>Mixtures and solutions:</u> • Dissolving, • Substance, • Soluble, • Insoluble. <u>Changes of materials:</u> • Reversible change, • Physical change, • Irreversible change, • Chemical change, • Burning, • New material, • Product. <u>Separating:</u> • Sieving, • Filtering, • Magnetic attraction.

		• Opaque • Waterproof • Not waterproof • Absorbent • Not absorbent • Sharp • Stiff			• Bodies of water (sea, river, stream) • Water droplets • Hail	<u>Types of rocks:</u> • Sedimentary rock, • Igneous rock, • Metamorphic rock <u>Properties of rocks:</u> • Permeable, • Semi-permeable, • Impermeable, • Durable. <u>Formation of rocks and fossils:</u> • Grains • Crystals • Fossils • Magma • Lava • Molten rock • Sediment • Erosion • Fossilisation • Layers • Bone • Fossil	
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