



SCIENCE

KEY VOCABULARY (December'22)

KS1 National Curriculum	
Plants	
Animals- incl Humans	
Everyday materials	
Seasonal changes	
Habitats	

KS2 National Curriculum	
Plants	
Animals- incl Humans	
Rocks	
Light	
Forces & Magnets	
Living Things & Their Habitats	
States of Matter	
Sound	
Electricity	
Properties & materials	
Earth & Space	

Key Stage 1: Year 1/2 (Cycle A)

Topic: Materials (How homes changed?) Natural, man-made, properties, transparent, opaque, waterproof, flexible, rough, smooth	Topic: Habitats (Once upon a Time) Habitat, woodland, undergrowth, shady, deciduous, evergreen	Topic: Animals (Frozen) Life cycle, offspring, Reproduce, adaptation, colony, adult, chick, fledging, krill	Topic: Plants (Garden Grow?) wild plants, garden plants, sprout, seedling, shoot, roots, stem, flower petals, germination	Topic: Micro-Habitats (Nature detctcs) Living, dead, never alive, micro-habitat, minibeast, classify, thorax, abdomen, chrysalis, invertebrate	Topic: Light (Beside the Seaside) Shadow, light, dark, light source, sunrise, sunset, daylight, transparent, opaque, seasonal
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Key Stage 1: Year 1/2 (Cycle B)

Topic: Human body (Superheroes!) Ankle, elbow, hip, knee, shoulder, wrist, sight, hearing, smell, touch, taste	Topic: Light and dark (Space) Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Sun, Moon, Solar System, Galaxy	Topic: Weather (Weather) Spring, summer, autumn, winter, weather, rain, hail, snow, rainbow, sunshine, forecast	Topic: Human Healthy Body (Fighting Fit!) Balanced diet, food groups, dairy, carbohydrates, protein, fats, exercise, germs, hygiene, pulse	Topic: Materials (Blue Planet) Float, sink, buoyant, squash, stretch, twist, bend, absorbent, non-absorbent, properties	Topic: Habitats (Go Wild Africal) savannah, desert, food chain, producer, consumer, carnivore, herbivore, omnivore, adaptation, prey
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Lower Key Stage 2: Year 3/4 (Cycle A)

Topic: Skeletons and Nutrition (Stone Age Bone Age) support, protection, skeleton, movement, exoskeleton, endoskeleton, hydrostatic skeleton, vertebrates, invertebrates, nutrients	Topic: Magnets, springs and forces (Norwich TTA) repel, attract, force, magnetic, non-magnetic, pull, push, poles, friction	Topic: Light (Norwich TTA) shadow, dark, reflection, opaque, transparent, translucent	Topic: Plants (Rainforests) roots, stem, leaves, flower, photosynthesis, pollination, germination, nutrients, energy, life cycle	Topic: Rocks (Volcanoes & Earthquakes) metamorphic, igneous, sedimentary, density, durability, fossils, geologist, erosion, permeable, impermeable
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Lower Key Stage 2: Year 3/4 (Cycle B)

Topic: Teeth and the Digestive system (Ancient Egypt) canines, incisors, molars, pre-molars, decay, herbivore, carnivore, omnivore, stomach, digestion, intestines, oesophagus, saliva, rectum	Topic: Electricity (Ancient Egypt) circuit, cells, wires, bulbs, switch, buzzer, conductor, insulator, series, parallel	Topic: Sound (Around the World in 80 Days) vibration, pitch, volume, soundwave, soundproof, decibel, eardrum, particles	Topic: States of matter (Henry VIII) solid, liquid, gas, molecule, evaporation, condensation, water cycle, freeze, melt, water vapour	Topic: Classification (Victoria) characteristics, classification, environment, habitat, life processes, organisms, species, vertebrates, invertebrates, nutrition
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Upper Key Stage 2: Year 5/6 (Cycle A)

Topic: Properties and Changes of Materials (Let There Be Dragons!) solubility, transparency, conductivity, insulation, dissolve, solution, mixture, insoluble, evaporation, evaporate, condense, melt, reversible changes, irreversible changes, filter, sieving, separate	Topic: Earth and Space (Magnificent Mayans) Earth, Solar System, Sun, Moon, rotation, star, planet, sphere, orbit, axis, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, eclipse	Topic: All Living Things (Romans) life cycle, pollination, fertilisation, germination, photosynthesis, chlorophyll, stamen, anther, filament, stigma, style, carpel, ovary, ovule	Topic: Forces (Water) gravity, resistance (air and water), lever, pulley, friction inertia, Isaac Newton
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Year 5/6 (Cycle B)

Topic: Light (Technological World) retina, pupil, translucent, transparent, light source, visible spectrum, prism, ray	Topic: Electricity (Technological World) electricity, series, electrical circuit, cells, wires, bulbs, switch, buzzer, conductor, insulator, renewable, non-renewable, electrons	Topic: Evolution and Inheritance (Natural World) Charles Darwin, adaptation, evolution, offspring, inheritance, variations, habitat, environment, characteristics	Topic: All Living Things (All Things Greek) heart, blood vessels, circulatory system, lifestyle, aorta, vein, artery, carbon dioxide, oxygen
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We believe these skills are important for life because:

- We want children to have the scientific knowledge to understand much of the world around them and the practical skills to enable them to investigate and explore to find out more
- We want children to be curious scientists, interested in the world around them, with a desire to question, investigate and reason scientifically, making links between different parts of the knowledge they have gained.