



Science

PROGRESSION DOCUMENT - VOCABULARY

Subject Lead: Mrs Bedworth

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Animals Including Humans	<p>Head, face, ears, hair, eyes, nose, mouth, teeth, cheek, chin, neck, body, arms, hands, fingers, paws, fins, wings, legs, feet, toes, tail, skin, scales, fur, feathers</p> <p>Herbivore, carnivore, omnivore</p> <p>Previous/linked learning Understanding the World (EYFS)</p>	<p>Offspring, grow, adults, nutrition, reproduce, survival, water, food, air, exercise.</p> <p>egg-caterpillar-pupa-butterfly spawn-tadpole-frog lamb-sheep baby-toddler-child-teenager-adult</p>	<p>Nutrition vitamins, minerals, fat, protein, carbohydrates, fibre, water skeletons – support, protection, skulls – brain, ribs – heart, lungs joint, muscles</p> <p>Previous/linked learning Cross-curricular- Physical Education</p>	<p>Human digestive system Mouth: tongue-mixes, moistens, saliva teeth: incisors- cutting, slicing canines- ripping, tearing molars-chewing, grinding</p> <p>Oesophagus, transports, stomach acid, enzymes, small intestine, large intestine,</p> <p>invertebrates- snails, slugs, worms, spiders, insects, vertebrates- fish, amphibians, reptiles, birds, mammals</p>	<p>Animals sexual reproduction Similarities, differences, Baby, Toddler, Teenager, Elderly, Growth, Development, Puberty</p> <p>Previous/linked learning Life cycles (Y2)</p>	<p>Health Diet, Blood vessel, Artery, Circulation, Fitness, Drugs, Enhanced, Lifestyle, Impact, function, transport, vein</p> <p>Previous/linked learning Nutrition (Y3) Cross-curricular – Physical Education</p>
Plants	<p>Leaves, flowers, blossom, petals, fruit, roots, bulb, seed, trunk, branches, stem</p> <p>Previous/linked learning Understanding the World – exploring their natural world (EYFS)</p>	<p>Water, light, suitable temperature, grow, healthy, germination reproduction</p>	<p>– nutrition, support, reproduction, makes own food requirements for life and growth – air, nutrients from the soil, room to grow, fertiliser</p> <p>life cycle - flowers pollination, seed formation, seed dispersal</p>			

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Living Things and Their Habitats		<p>Living, dead, never alive, habitats</p> <p>food chain</p> <p>sun-grass-cow-human</p> <p>healthy, leaf, litter, shelter</p> <p>conditions hot/ warm/ cold dry/ damp/ wet bright/ shade/ dark</p>		<p>carnivore, herbivore, omnivore</p> <p>food chain</p> <p>Producers, prey, predators</p> <p>environment</p> <p>invertebrates- snails, slugs, worms, spiders, insects</p> <p>vertebrates- fish, amphibians, reptiles, birds, mammals</p> <p>plants – flowering plants, non-flowering plants</p> <p>population</p> <p>development, deforestation</p> <p>Previous learning</p> <p>Food chains (y2)</p> <p>Vertebrates/invertebrates (Y4, animals including Humans)</p>	<p>reproduction</p> <p>plants- sexual, asexual</p> <p>animals- sexual</p> <p>life cycles- mammal, amphibian, insect, bird</p> <p>prehistoric</p> <p>similarities, differences</p> <p>germination, pollination</p> <p>stamen, stigma</p> <p>Previous/linked learning</p> <p>Plants reproduction (Y2)</p> <p>Plant life cycle (Y3)</p>	<p>Organism, micro-organism</p> <p>fungus, mushrooms</p> <p>classification, keys, environment,</p> <p>Fish, amphibians, reptiles, birds, mammals,</p> <p>Vertebrates/invertebrates</p> <p>Previous learning</p> <p>Vertebrates/invertebrates (Y2 & Y4)</p> <p>Life cycles, similarities/differences (Y5)</p>
Evolution and Inheritance						<p>Evolution</p> <p>suited/ suitable</p> <p>adapted/ adaptation</p> <p>adaptive traits</p> <p>offspring</p> <p>characteristics</p> <p>vary/ variation</p> <p>inherit/ inheritance</p> <p>inherited traits</p> <p>fossils/fossilisation</p> <p>DNA/Genes</p> <p>Natural selection</p> <p>Previous learning</p> <p>Fossils (Y3, Rocks)</p>

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Seasonal Changes	Autumn, Summer, Spring, Winter, Day, night, light, dark. Sun, rain, snow, hail, wind. Previous/linked learning Understanding the World – Seasonal changes (EYFS)					
Forces			Force, push, pull, open Surface Magnet, magnetic, attract, repel magnetic poles, north/south metal, iron, steel		Fall, gravity, force, air resistance, water resistance, Friction, moving, surfaces, mechanisms, levers, pulleys, gears magnetic force, magnet attract Previous/linked learning Forces- magnetic forces (Y3)	

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Light			<p>light, see, dark reflect, reflective surface, natural star, Sun, Moon artificial, torch, candle, lamp translucent/transparent</p>			<p>light travels, straight, reflect, reflection, light source, object, shadows, mirrors</p> <p>Previous/linked learning Light (Y3)</p>
Sound				<p>sound, sound source noise, vibrate, travel pitch, tune high, low volume, loud, quiet instrument, percussion, strings, brass, woodwind, tuned instrument</p> <p>Previous/linked learning Cross curricular - Music</p>		

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Earth and Space					Earth, planets, Sun, solar system, Moon, sphere/ spherical, rotate/ rotation spin, night and day Names of planets. 'dwarf' planet, Orbit, revolve, model Shadow, clocks, sundials Previous/linked learning Forces (Y5)	
Electricity				Cells, Wires, Bulbs, Switches, Buzzers, Battery, Circuit,		Components, Current, Resistance, Amps, Volts, Cell, Series Circuit, Short Circuit, variables Previous/linked learning Electricity (Y4) Resistance (Y5, Forces)

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Materials	<p>Everyday Materials-</p> <p>Wood, plastic, glass, metal, water, rock, brick, paper, card, rubber, fur, fleece, cotton, wool, polyester, cotton wool</p> <p>Soft, hard, rough, smooth, stretchy, shiny, dull.</p>	<p>Squashing, bending, twisting, stretching, moulding,</p> <p>Wood, metal, plastic, glass, brick rock, paper</p> <p>Previous/linked learning</p> <p>Everyday materials (Y1)</p>	<p>Rocks:</p> <p>Rock, pebble, boulder, soil, fossil, hard/ soft texture, absorb water</p> <p>chalk, granite, sandstone, slate</p> <p>sandy soil</p> <p>clay soil</p> <p>chalky soil</p> <p>peat</p>	<p>States of matter –solid, liquid, gas grain/ granular, crystals,</p> <p>ice/ water/ steam,</p> <p>water vapor,</p> <p>heated/ heating, cooled/ cooling temperature, degrees Celsius, melt, freeze, solidify, melting point, motten</p>	<p>Solubility, transparency, conductive,</p> <p>response to magnets,</p> <p>dissolve, liquid, solution, solute, separate, separating, filtering, sieving, evaporating,</p> <p>reversible, changes, mixing</p> <p>evaporation</p> <p>irreversible</p> <p>conductivity, insulation, chemical,</p> <p>opaque, translucent,</p> <p>rusting, residue, condensing.</p> <p>Previous/linked learning</p> <p>Magnets (Y3&5, Forces)</p> <p>Translucent (Y3 Light)</p>	

