



“Be courageous; be strong. Do everything in love” (1 Corinthians 16:13-14)

## Making progress with scientific vocabulary

### Year 5

Children will have the opportunity to use the following vocabulary, including but not exclusively:

Working Scientifically	Living things and their habitats	Properties and changes of materials	Earth and space	Forces
<p><b>words relating to enquiry:</b> ask relevant questions, plan, planning, change variable, measurement variable, (independent, dependent and control variables), systematic recording, measurement and observations, predictions, further testing, conclusions, reasons, explanations.</p> <p><b>words relating to conveying scientific ideas:</b> link, relationships between variables, cause, effect, ‘cause and effect’, causal relationships, find patterns, explanation, reasons, degrees of trust (in results), support, refute, opinion, fact.</p>	<p><b>words relating to plant life cycles:</b> life cycle, variety, environment, reproduction, sexual, asexual, germination, pollination, seed formation, seed dispersal, pollen, stamen, stigma, plantlets (e.g. spider plant), runners (e.g. strawberry plant), cutting, root cutting, tuber.</p> <p><b>words relating to animal life cycles:</b> life cycle, variety, environment, reproduction, sexual,</p>	<p><b>words related to properties of materials:</b> hard (scientific definition), soft, stretchy, rigid, flexible, waterproof, absorbent, strong/weak, rough, smooth, reflective, non reflective, transparent, opaque, translucent, soluble, insoluble, magnetic, non-magnetic, conductor, insulator (electrical).</p> <p><b>words related to changing materials:</b> solubility, melting,</p>	<p><b>words relating to Earth and space:</b> Earth, planets, Sun, star, solar system, Moon, celestial body, sphere/spherical, rotate/rotation, spin, axis, apparent, move, movement, apparent, (stationary), night and day, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, (Pluto), ('dwarf' planet), orbit, (path), revolve, (year) geocentric model, heliocentric model, shadow clocks, sundials,</p>	<p><b>words relating to forces:</b> gravity, fall, air resistance, Earth, water resistance, friction, moving surfaces, (slowing down), parachutes, move, speed up, slow down, stop, (streamlined, streamlining) shape, weight (N), mass.</p> <p><b>words relating to simple machines:</b> mechanisms, levers, pulleys, gears, force, springs, transfers.</p>

<p><b>words and phrases for making comparisons:</b> gestation time, older, younger, heavier, lighter, faster, slower, speed up, slow down, stop.</p> <p><b>words relating to data collection/recording:</b> accuracy, increasing accuracy, careful, precise, precision, repeat readings, repeated readings, mass (in grams and kilograms), weight (in Newtons, N) diagrams, labels, scatter graph, line graph, display, presentation.</p> <p><b>words relating to equipment:</b> thermometers, digital, data loggers, magnifying glass, microscope, filter, funnel, sieve, lever, pulley, gear</p>	<p>mammal, amphibian, insect, bird, fish, reptile, eggs, live young</p> <p>Children have an opportunity to be introduced to species specific vocabulary related to life cycles e.g. words naming stages of a frog, butterfly, worm, ladybird or chicken life cycle.</p>	<p>states of matter, solid, liquid, gas, change state, dissolve, solution, (soluble), insoluble, (solute, solvent, particle), mix/mixture, filtering, sieving, evaporating, (residue)</p> <p>condensing, reversible changes, new material, not usually reversible, (irreversible) burning, rusting, (gas given off)</p>	<p>astronomical clocks (e.g. Stonehenge), (East), (West), shadows, sunrise, mid-day, sunset, (horizon)</p>	
	<p><b>Animals including Humans</b></p>			
	<p><b>words relating to human development :</b> change, develop, development, grow, age, stages, timeline, puberty, gestation periods, mass, length.</p>			