



**Micklem Primary School**

**Science Vocabulary progression**

<p><b>Year 1</b></p>	<p><b><u>Animals including humans</u></b>            Head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves            Senses – touch, see, smell, taste, hear, fingers (skin), eyes, nose, ear and tongue</p>	<p><b><u>Plants</u></b>            Leaves, flowering, bud, flower, blossom, berry, fruit, seed, branch, trunk, stem</p>	<p><b><u>Seasonal changes</u></b>            Weather (sunny, rainy, windy, snowy etc.)            Seasons (winter, summer, spring, autumn) Sun, sunrise, sunset, day length</p>	<p><b><u>Everyday materials</u></b>            Object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool, clay, hard, soft, stretchy, stiff, bendy, floppy, waterproof, absorbent, breaks/tears, rough, smooth, shiny, dull, see-through, not see-through</p>	
<p><b>Year 2</b></p>	<p><b><u>Animals including humans</u></b>            Offspring, reproduction, growth, child, young/old stages (examples - chick/hen, baby/child/adult, caterpillar/butterfly), exercise, heartbeat, breathing, hygiene, germs, disease, food types (examples – meat, fish, vegetables, bread, rice, pasta)</p>	<p><b><u>Plants</u></b>  <b>As for Year 1 plus:</b>            light, shade, sun, warm, cool, water, grow, healthy</p>	<p><b><u>Living things and their habitats</u></b>            Living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed            Names of local habitats e.g. pond, woodland etc. Names of micro-habitats e.g. under logs, in bushes etc.</p>	<p><b><u>Everyday materials</u></b>            Names of materials – wood, metal, plastic, glass, brick, rock, paper, cardboard  <b>Properties of materials – as for Year 1 plus:</b> opaque, transparent and translucent, reflective, non-reflective, flexible, rigid            Shape, push/pushing, pull/pulling, twist/twisting, squash/squashing, bend/bending, stretch/stretching</p>	

<b>Year 3</b>	<b><u>Animals including humans</u></b> Nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, joints, support, protect, move, skull, ribs, spine	<b><u>Plants</u></b> Photosynthesis, pollen, insect/wind pollination, seed formation, seed dispersal (wind dispersal, animal dispersal, water dispersal)	<b><u>Light and shadows</u></b> Light, light source, dark, absence of light, transparent, translucent, opaque, shiny, matt, surface, shadow, reflect, mirror, sunlight, dangerous	<b><u>Forces</u></b> Force, push, pull, twist, contact force, non-contact force, magnetic force, magnet, strength, bar magnet, ring magnet, button magnet, horseshoe magnet, attract, repel, magnetic material, metal, iron, steel, poles, north pole, south pole	<b><u>Rocks and soils</u></b> rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorb water, soil, fossil, marble, chalk, granite, sandstone, slate, soil, peat, sandy/chalk/clay soil
<b>Year 4</b>	<b><u>Animals including humans</u></b> Digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, nutrients, large intestine, rectum, anus, teeth, incisor, canine, molar, premolars, herbivore, carnivore, omnivore, producer, predator, prey, food chain	<b><u>Sound and Vibrations</u></b> Sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, loud, insulation	<b><u>States of matter</u></b> Solid, liquid, gas, state change, melting, freezing, melting point, boiling point, evaporation, temperature, water cycle	<b><u>Electricity</u></b> Electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative, connection, short circuit, crocodile clip, bulb, switch, buzzer, motor, conductor, insulator, metal, non-metal, symbol	<b><u>Living things and food chains</u></b> Classification, classification keys, environment, habitat, human impact, positive, negative, migrate, hibernate
<b>Year 5</b>	<b><u>Animals including humans</u></b> Human development Puberty – the vocabulary to describe sexual characteristics Life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis, asexual, plantlets, runners, bulbs, cuttings	<b><u>Living things and habitats</u></b> Life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis, asexual, plantlets, runners, bulbs, cuttings	<b><u>Properties of Materials</u></b> Thermal/electrical insulator/conductor, change of state, mixture, dissolve, solution, soluble, insoluble, filter, sieve, reversible/non-reversible change, burning, rusting, new materials	<b><u>Forces</u></b> Force, gravity, Earth, air resistance, water resistance, friction, mechanisms, simple machines, levers, pulleys, gears	<b><u>Earth and space</u></b> Earth, Sun, Moon, (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune), spherical, solar system, rotates, star, orbit, planets
<b>Year 6</b>	<b><u>Animals including humans</u></b> Heart, pulse, rate, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, nutrients, water, muscles, cycle, circulatory system, diet, exercise, drugs, lifestyle	<b><u>Classification</u></b> Microorganisms, classification, flowering, non-flowering, worms, vertebrates, invertebrates, amphibians, fish, mammals, reptiles, insects, snails.	<b><u>Light</u></b> As for Year 3 - Light, plus straight lines, light rays	<b><u>Electricity</u></b> circuit, complete circuit, circuit diagram, circuit symbol, cell, battery, bulb, buzzer, motor, switch, voltage	<b><u>Evolution and inheritance</u></b> Offspring, sexual reproduction, vary, characteristics, suited, adapted, environment, inherited, species, fossils

