

AMOTHERBY PRIMARY SCHOOL LONG TERM SCIENCE VOCABULARY OVERVIEW



		Reception	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Vocabulary	WORKING SCIENTIFICALLY	Look closely, observe, watch, touch, feel, smell, listen, same, different, compare, ask questions, record, sort, group	observe, changes, patterns, grouping, sorting, compare, same, different, identify (name), measure, data, record results, drawing, picture, table, tally chart, present, pictogram, block chart, Venn diagram, ask questions, test, investigate, explore, equipment, resources, magnifying glass, hand lens, ruler, tape measure, metre stick, pipette, syringe, spoon, teaspoon, answer questions, interpret results, scientific enquiry, pattern seeking, comparative testing, observing over time, classifying, researching using secondary sources		practical work, fair testing, relationships, accurate, thermometer, data logger, stopwatch, timer, estimate, data, diagram, identification key, chart, bar chart, prediction, similarity, difference, evidence, information, findings, criteria, values, properties, characteristics, conclusion, explanation, reason, evaluate, improve			variables, independent variable, dependent variable, control variable, evidence, justify, argument (science), causal relationship, accuracy, precision, scatter graphs, bar graphs, line graphs, force meter

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Ourselves People who help us	Celebrations	Traditional Tales	Chicks Local Area Arctic / Jungle	Plants and Growing	The seaside Minibeasts
	head eyes nose mouth ears hands fingers feet toes arm leg Senses Smell touch Hear taste see	Loud, Quiet Volume Sound Freeze Melt Cold Hot Warm Change	material metal wood rock plastic hard soft material smooth shiny rough	Animal fish bird human Animal body parts: Legs, tail, face, nose, ears, fur, skin, hair, paw, fin, wing. Habitats desert, ocean, jungle, arctic.	tree petals trunk roots leaves flowers seed grow plant	Summer day Spring dark Autumn light Winter night Season Moon Sun Habitats Woodland, Seaside Microhabitats: - Log, stone, tree, dead leaves, soil.
Year 1	Everyday Materials	Seasons (Part 1)	Animals Including Humans		Plants	Seasons (Part 2)
	Object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, card/cardboard, hard, soft, stretchy, stiff, bendy, floppy, waterproof, rough, smooth, shiny, dull, see-through, not see-through	Weather sunny, rainy, windy, snowy, cloudy Seasons (winter, summer, spring, autumn) Sun, sunrise, sunset, day length	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 Fish, Reptiles, Mammals, Birds, Amphibians Herbivore, Omnivore, Carnivore Name and identify a range of animals in each animal group i.e. Dog - Mammal	Leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud Names of trees in the local area: Oak Holly Willow Birch Chestnut Names of garden and wild flowering plants in the local area: Daisy Buttercup Rose Daffodil Fruit	Weather sunny, rainy, windy, snowy, cloudy Seasons (winter, summer, spring, autumn) Sun, sunrise, sunset, day length	
Year 2	Everyday materials		Animals, including humans	Plants	Living things and their habitats	

	Names of materials – wood, metal, plastic, glass, brick, rock, paper, cardboard Properties of materials – as for Year 1 plus opaque, transparent and reflective, flexible, rigid Shape, push/pushing, pull/pulling, twist/twisting, squash/squashing, bend/bending	Offspring, reproduction, growth, child, young/old stages (examples - chick/hen, calf/cow puppy/dog baby/child/adult, caterpillar/butterfly), exercise, heartbeat, breathing, hygiene, germs, food types (examples – meat, fish, vegetables, bread, rice, pasta)	light, shade, sun, warm, cool, water, grow, health, germinate, seeds, bulbs, water, healthy	Living, dead, never been alive basic needs, food, food chain, shelter, Predator, Prey Names of local habitats pond, woodland fields Names of micro-habitats under logs, in bushes	
Year 3	Animals Including Humans	Rocks	Light	Plants	Forces and Magnets
	Nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, joints, support, protect, move, skull, ribs, spine Rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorb water, soil, fossil, marble, chalk, granite, sandstone, slate, soil, peat, Durable, permeable, impermeable Sedimentary, metamorphic, ingenious absorbent porous	Rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorb water, soil, fossil, marble, chalk, granite, sandstone, slate, soil, peat, Durable, permeable, impermeable Sedimentary, metamorphic, ingenious absorbent porous	Light, light source, dark, absence of light, transparent, translucent, opaque, shiny, matt, surface, shadow, reflect, reflective mirror, sunlight	Photosynthesis, pollen, insect/wind pollination, Transportation seed formation seed dispersal wind dispersal, animal dispersal, water dispersal Air, Light, Water, Nutrients, Soil	Force, push, pull, twist, magnet, strength, bar magnet, ring magnet, button magnet, horseshoe magnet, attract, repel, magnetic material, metal, iron, steel poles, north pole, south pole
Year 4	Animals Including Humans	States of Matter	Sound	Living Things and their habitats	Electricity
	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	Solid, liquid, gas, state change, melting, freezing, melting point, boiling point, evaporation, temperature,	Sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, loud, tone	Classification, classification keys, environment, habitat, migrate, hibernate Cells, Wires, Bulbs, Switches, Buzzers, clip, motor Battery, Positive, Negative Circuit, Series, Conductors, Insulators, brightness Connection

Year 5	Properties and Changing Materials		Forces and Magnets	Living Things and their habitat	Animals Including Humans	Earth and Space
	Properties, including changes of, materials Hardness, Solubility, Transparent, Opaque, Translucent, Magnetic, Filter, Evaporation, Dissolving, Mixing, Thermal conductor, thermal insulator, electrical conductor, electrical insulator Force, gravity, Earth, air resistance, water resistance, friction, mechanisms, levers, pulleys, gears		Force, gravity, Earth, air resistance, water resistance, friction, mechanisms, levers, pulleys, gears	Life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis, asexual, plantlets, runners, bulbs, cuttings	Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, Elderly, Growth, Development, Puberty;	Earth, Sun, Moon, (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune), spherical, solar system, rotates, star, orbit, planets, Axis, Day, Night Phases, Constellation
Year 6	Animals including humans	Light	Living Things and Their Habitats	Electricity	Evolution and Inheritance	Scientific Enquiry
	Heart, pulse, rate, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, nutrients, water, muscles, cycle, circulatory system, diet, exercise, drugs, lifestyle	(Year 3) Light, light source, dark, absence of light, transparent, translucent, opaque, shiny, matt, surface, shadow, reflect, reflective mirror, sunlight straight lines, light rays, refraction	Vertebrates, fish, amphibians, reptiles, birds, mammals, invertebrates, insects, spiders, snails, worms, flowering, non-flowering	Circuit, complete circuit, circuit diagram, circuit symbol, cell, battery, bulb, buzzer, motor, switch, voltage	Offspring, sexual reproduction, vary, characteristics, suited, adapted, environment, inherited, species, fossils	