Four Oaks Primary School – Science Vocabulary Progression Map

Nursery	**Animals including humans** head, eyes, nose, mouth, ears, hands, fingers, feet, toes, arm, leg, animal, mini beast **Plants** tree, leaf, flower, stem, seed **Materials** material, wood, glass, paper, hard, soft **Seasonal changes** Summer, Spring, Autumn, Winter, Season, Sun, Moon, day, night. light, day **Earth and space** Earth, Moon, Sun, star **Sound (linked to EAD)** loud, quiet		

Reception	<u>**Animals including humans**</u> herbivore face carnivore hair omnivore leg human knee animal arm fish elbow birds back head toes ear hands eye fingers mouth nose	<u>**Materials**</u> material metal wood rock plastic hard fabric material glass soft paper smooth shiny rough	<u>**Seasonal changes**</u> Summer day Spring dark Autumn light Winter night Season Moon Sun
	<u>**Plants**</u> tree petals trunk fruit branch roots leaves bulb flowers seed stem	<u>**Forces, Earth, Space**</u> Earth Moon Planet space Sun star	<u>**Sound**</u> sound loud quiet volume

YEAR 1 <u>Working scientifically:</u> question, find out, observe, describe, test, compare measure, length, height, mass/weight, time, temperature record, results, table, chart, pictograph, block graph, bar chart	<u>**Everyday Materials**</u> wood, plastic, glass, metal, water, rock, brick, paper, card, rubber, fur, fleece, cotton, wool, polyester, cotton wool. Names of common objects made from these materials e.g. door, building block, window, pencil sharpener, teddy etc, soft, hard, rough, smooth, stretchy, stiff, shiny, dull, rough, smooth, flexible, waterproof, absorbent, opaque, transparent, translucent	<u>**Animals, including humans**</u> Common structure of animals including humans including : 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, see, look, hear, listen, touch, feel, taste, smell Fish, amphibian, reptile, bird, mammal Common names of fish, amphibians, reptiles, birds,	<u>**Plants**</u> Leaves, flowers, blossom, petals, fruit, roots, bulb, seed, trunk, branches, stem Names of plants in their local environment for example: Grass, Clover, Daisy, Buttercup, Dandelion, Oak, Holly, Daffodil, Tulip etc. and plants they grow to eat such as lettuce, tomatoes, cucumber, radish, herb etc.

		Seasonal changes spring, summer, autumn, winter day, night, light, dark, sunrise, sunset Sun, rain, snow, hail, precipitation, wind, cloud, cloud cover deciduous, evergreen tree	mammals including pets and those found in the local environment, herbivore, carnivore, omnivore	

YEAR 2 **Working scientifically:** question, find out, observe, describe, test, compare measure, length, height, mass/weight, time, temperature record, results, table, chart, pictograph, block graph, bar chart	**Uses of Everyday Materials** wood, plastic, glass, metal, water, rock, brick, paper, card, rubber, fur, fleece, cotton, wool, polyester, cotton wool. words to describe why certain materials are suitable for particular uses e.g. soft, hard, rough, smooth, stretchy, stiff, shiny, dull, rough, smooth, flexible, waterproof, absorbent, opaque, transparent, translucent Squash, bend, twist, stretch	**Animals, including humans** reproduce, offspring, grow, adults (fish, amphibian, reptile, bird, mammal, humans) survival, water, food, air, shelter exercise, fit, healthy, food, fruit, vegetables, meat, fish, eggs, nuts, pulses, beans, milk, cheese, bread, pasta, rice, butter, vegetable oil, olive oil Common names of fish, amphibians, reptiles, birds, mammals including pets and those found in the local environment Common structure of animals including humans including : 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 herbivore, carnivore, omnivore	**Living things and their habitats** living, dead, non-living habitat, micro habitat, food chain field, hedgerow, pond, woodland, seashore, ocean, rainforest, arctic, desert, air, food, water, shelter, heat, warmth, sun **Plants** seeds, bulbs, grow, healthy, water, light, temperature, soil, nutrients leaves, flowers, blossom, petals, fruit, roots, trunk, branches, stem Names of plants in their local environment for example grass, Clover, Daisy, Buttercup, Dandelion, Oak, Holly, Daffodil, Tulip etc. and plants they grow to eat such as lettuce, tomatoes, cucumber, radish, herb etc.

YEAR 3 **Working scientifically:** question, find out, observe, describe, test, compare, explain, accurate, predict measure, length, height, mass/weight, time, temperature, tape measure, thermometer, data logger record, results, table, chart, pictograph, block graph, bar chart	**Rocks** rocks, granite, limestone, sandstone, fossil, soil, sandy, peat, decay, compost soft, hard, rough, smooth, stiff, shiny, dull, rough, waterproof, absorbent, opaque, transparent, translucent, texture	**Forces and magnets** Force, contact, non-contact move, surface, material, carpet, tiles, wood, lino, bubble wrap, sandpaper, fleece, polythene, towel magnet, magnetic, magnetic field, bar, horseshoe, ring, strength, strong, weak, metal, coated, attract, repel, poles, north, south **Light** see, eyes, light, dark, absence light sources, Sun, dangerous, lamp, flame, torch, light bulb, day, night, light, dark, dim, sunrise, sunset, dusk reflect, reflection, reflected, shadows, size, shape, pattern	**Animals, including humans** humans, food, feeding, balanced, diet ,meat, fish, eggs, nuts, pulses, beans, cereal, fruit, vegetables, dairy products milk , cheese, butter, potatoes , bread, rice, pasta, vitamins, minerals fish, amphibian, reptile, bird, mammal skeleton, skull, ribs, spine (backbone), joints, support, muscles **Plants** leaves, flowers, blossom, petals, fruit, roots, bulb, seed, trunk, branches, stem, stigma, style, anther air, light, water, nutrients, soil, transport, seed, seedling, bulb, compost, decay, die, fruit, moisture, ovary ovule pollen, pollination, seed formation, dispersal, reproduce

YEAR 4			

| **YEAR 4**
Working scientifically:
question, find out, observe, describe, test, compare, explain, accurate, predict measure, length, height, mass/weight, time, temperature, tape measure, thermometer, data logger record, results, table, chart, pictograph, block graph, bar chart, line graph | **States of matter**
Solids, liquids, gases
change state: melt, freeze, heated, cooled, temperature, Celsius, chocolate, butter, ice, water, steam, water vapour, water cycle, evaporation, condensation, rate, precipitation, rain, rain fall, snow, sleet | **Sound**
sound, sources, vibrating, medium, ear, eardrum, instruments, pitch, high, low, volume, loudness, loud, soft, quiet, insulation, sound proof, distance, fainter.

Electricity
electrical appliances, mains, battery, television, computer, tablet, mobile phone, light, lamp, cooker, microwave, toaster, radio, component, bulb, buzzer, battery, cell, wire, motor, switch, open, closes, circuit, series, complete loop, bright, brightness, current electrical insulator, plastic, fabric, electrical conductor, metals, water | **Living things and their habitats**
classify, classification, animal, vertebrates, fish, amphibians, reptiles, birds, mammals, invertebrates, snails, slugs, worms, spiders, insects, flowering plants, non-flowering plants, ferns, mosses, fungi.
environment, habitat, micro habitat, adaption, human impact, ecological, ecosystem, nature reserves, parks, ponds, pollution, litter, deforestation, field, hedgerow, pond, woodland, seashore, ocean, rainforest, arctic, desert, nest, burrow, air, food, water, shelter, heat, warmth, sun, camouflage

Animals, including humans
digestion, mouth, teeth, tongue, saliva, oesophagus, stomach, gastric juices, enzyme, small intestine, bile, pancreatic juice, large intestine, rectum
incisors, cut, slice, canines, grip, pierce, premolars, molars, crush, grind, dental, dentist, disclosing tablets
food chain, producers, predators, prey, herbivore, carnivore, omnivore |
| **YEAR 5**
Working scientifically:
question, find out, observe, describe, test, compare, explain, accurate, predict measure, length, height, mass/weight, time, temperature, tape measure, thermometer, data logger record, results, table, chart, pictograph, block graph, bar chart, line graph, reliable, variables, valid, explain | **Earth and space**
day, night, light, dark, dim, sunrise, sunset, dusk, Earth, moon, moons, reflect, sun, star, spherical, rotation, Earth's axis, solar system, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune (Pluto as a dwarf planet), shadow clock, sundials, astronomical clock

Forces
force, contact, non-contact, gravity, falling, friction, air resistance, water resistance, newton, force metre, drag, levers, pulleys, gears, move, surface, material, carpet, tiles, wood, lino, bubble wrap, sandpaper, fleece, polythene, towel | **Properties and changes of materials**
soft, hard, rough, smooth, stiff, shiny, dull, rough, waterproof, absorbent, opaque, transparent, translucent, texture, conduct, insulate, electrical, thermal, magnetic
solids, liquids, gases, dissolve, solution, substance, separated, filtering, sieving, evaporating, reversible, irreversible state, burning, oxygen, acid, bicarbonate of soda, carbon di oxide
change state melt, melting, freeze, heated, cooled, temperature, Celsius, chocolate, butter, ice, water, steam, water vapour, water cycle, evaporation, condensation, rate, precipitation, rain, rain fall, snow, sleet | **Living things and their habitats**
life cycle, reproduction, asexual, sexual, animal, vertebrates, amphibians, reptiles, birds, mammals, invertebrates, insect , babies, young, grow, adult, egg, caterpillar, larva, chrysalis, pupa, head, abdomen, thorax, wings, fur, feathers, scales, plants, seeds, stem, root cuttings, tubers, bulbs, pollen, Leaves, flowers, blossom, petals, fruit, roots, bulb, seed, trunk, branches, stem, stigma, style, anther, ovary, ovule, seed formation, seed dispersal

Animals including humans
humans, gestation, baby, child, teenager, adult, geriatric, puberty, hormones, muscles, testicles, pubic hair, voice , acne, breasts, hips, period, ovulation |

YEAR 6 **Working scientifically:** question, find out, observe, describe, test, compare, explain, accurate, predict measure, length, height, mass/weight, time, temperature, tape measure, thermometer, data logger record, results, table, chart, pictograph, block graph, bar chart, line graph, reliable, variables, valid, explain	**Electricity** component, bulb, buzzer, battery, cell, wire, motor, switch, open, closes, circuit, series, complete loop, bright, brightness, current, volume, volts, voltage, symbols, circuit diagram	**Animals, including humans** blood, heart, heart rate, circulation, oxygen, lungs, veins, arteries, cells, pulse rate, healthy diet, exercise, drugs, nutrients, water	**Evolution and inheritance** fossils, evolution, evolve, inherit, inheritance, offspring, vary, variation, species, adapted, environment, climate, habitat, suited
		Light see, eyes, light, straight lines, reflect, reflected, reflection, light sources, shadows, size, shape, pattern, mirrors, (possibly extend to include rainbows, colour, colour filters, water, refraction)	**Living things and their habitats** vertebrates, amphibians, reptiles, birds, mammals, invertebrates, insects, spiders, snails, worms, head, abdomen, thorax, wings, fur, feathers, scales, plants, micro-organisms, kingdom, species