



Understanding the World and Science Language Continuum:

N0 (2s), N1 and N2:

Seasons	<u>N0/1:</u> Autumn, Winter, Spring, Summer, cold, hot, freezing, rain, snow, wind
	<u>N1/2:</u> Autumn, Winter, Spring, Summer, cold, hot, freezing, rain, snow, wind, coat, hat, scarf, gloves, welly boots, shorts, tshirt, sun glasses, umbrella, blow, howl, wet, ice.
Exploring Environments and habitats	<u>N0/1:</u> Mud, sand, forest, grass, water, dry, wet, zoo, nest
	<u>N1/2:</u> Mud, sand, forest, grass, water, dry, wet, zoo, farm, nest, tree, leaves, twigs, light, dark
Exploring Materials	<u>N0/1:</u> foam, gloop, slime, glitter, rice, pasta, beans, noodles, soggy, sticky, soft, hard, clay
	<u>N1/2:</u> foam, gloop, slime, glitter, rice, pasta, beans, noodles, soggy, sticky, soft, hard, slimy, runny, drip, hard, soft, waterproof, plastic, wood, brick, metal, cardboard, paper, straw, sticks, leaves, strong, rough, smooth, cold, warm
Growth and change	<u>N0/1:</u> Baby, grown up, egg, cocoon, caterpillar, butterfly, chick, hen, plant, seed, water
	<u>N1/2:</u> Baby, child, adult, egg, cocoon, butterfly, chick, hen, seed, plant, soil, water, sun, root, stem, leaf, petal, beanstalk, grow
Forces and Movement	<u>N0/1:</u> Fast, slow, push, pull, float, sink, up, down, spin, roll, on ,off
	<u>N1/2:</u> Fast, slow, push, pull, float, sink, up, down, magnetic, heavy, light, roll, spin, on ,off



Reception:

Seasons	autumn, Winter, Spring, Summer, cold, hot, freezing, rain, snow, wind, coat, hat, scarf, gloves, welly boots, shorts, tshirt, sun glasses, umbrella, blow, howl, wet, ice.
Exploring Environments and habitats	mud, sand, forest, grass, water, dry, wet, zoo, farm, nest, tree, leaves, twigs, light, dark
Exploring Materials	foam, gloop, slime, glitter, rice, pasta, beans, noodles, soggy, sticky, soft, hard, slimy, runny, drip, hard, soft, waterproof, plastic, wood, brick, metal, cardboard, paper, straw, sticks, leaves, strong, rough, smooth, cold, warm
Growth and change	baby, child, adult, egg, cocoon, butterfly, chick, hen, seed, plant, soil, water, sun, root, stem, leaf, petal, beanstalk, grow
Forces and Movement	fast, slow, push, pull, float, sink, up, down, magnetic, heavy, light, roll, spin, on, off
Exploring the world	Autumn, Winter, Spring, Summer, snow, rain, sun, windy, foggy, rainbow, grow, freeze, melt, warm, cold, hibernate, leaf, tree, flower, bug, bird, nest

Year 1:

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Animals Including Humans		Plants		Everyday Materials	Forces and Magnetism
Seasonal Changes- Year Long Investigation					
Working Scientifically					

**This is a working document, words may be added or excluded based on the knowledge of the children and which words may or may not be taught.

Animals including humans	head, body, eyes, ears, nose, mouth, leg, arm, hand, foot, skin, sense, smell, taste, hear, see, touch, carnivore, herbivore, omnivore, amphibian, reptile, mammal, bird, fish, nocturnal, diurnal
Plants	plant, flower, leaf, stem, root, grow, seed, bulb, tuber, tree, soil, sunlight, water, air, germinate
Everyday Materials	wood, plastic, metal, glass, fabric, paper, rock, smooth, rough, hard, soft, shiny, dull, bendy, stretchy, waterproof, absorbent, transparent, opaque
Seasonal Changes	Autumn, Winter, Spring, Summer, weather, cloud, sun, snow, rain, day, night, warm, cold, wind, shadow
Forces and Magnetism	Magnet, magnetism, force, magnetic field, poles, attract, repel, material, metal, nickel, cobalt, iron



Working Scientifically	Predict, compare, key features, chart, senses, observe, observation, labels, ICT, diagram
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Year 2:

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Earth and Space		Animals, Including Humans		Materials	Living Things and their Habitats
Plants- Year Long Investigation					
Working Scientifically					

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Living Things and their Habitats	living, dead, never living, habitat, microhabitat, suited, environment, food chain, shelter, depend, survive, adapt
Animals including Humans	baby, child, adult, offspring, grow, life cycle, survival, exercise, hygiene, nutrition, diet, germs, heart rate
Plants	seed, bulb, grow, sunlight, water, soil, temperature, healthy, germination, life cycle, nutrition, survival
Materials	object, material, properties, hard, soft, smooth, rough, waterproof, absorbent, twist, bend, stretch, squash, suitability, rigid, flexible
Earth and Space	Sun, star, Moon, planet, light source, solar system, Earth, rotate, constellation, telescope, daytime, nighttime
Working Scientifically	key features, Chart, data, equipment, test, fair, comparison, conclusion, improvement, observation

Year 3:

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Rocks and Soils		Light and Shadows	Plants	Animals, including humans	Forces and Magnetism
Working Scientifically					



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Rocks and Soils	rock, fossil, soil, sedimentary, igneous, metamorphic, permeable, impermeable, texture, grains, layers, magma, lava, sediment, fossilisation, erosion, paleontology
Light	light, dark, shadow, reflect, reflection, opaque, transparent, translucent, mirror, sunlight, safety, light source, ray, pupil, retina
Forces and Magnets	push, pull, force, friction, magnet, magnetic, magnetic field, attract, repel, poles, north, south, magnetic field, surface
Plants	root, stem, leaf, flower, pollination, seed, germination, dispersal, nutrients, water transport, fertilisation, stamen, carpel, sepal, pollinator, nutrients
Animals including humans	skeleton, bones, muscles, joints, tendons, movement, nutrition, diet, vitamins, health
Working Scientifically	Scientific, data, fair test, equipment, research, evaluate, pattern, observation, improvement

Year 4:

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Living Things and Their Habitats		Sound	States of matter	Animals including humans	Electricity
Working Scientifically					

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Living things and Habitats	classify, group, environment, change, danger, key, sort, characteristics, organism, vertebrate, invertebrate, ecosystem, habitat, unique, flowering plant, non-flowering plant
Sound	vibration, pitch, volume, soundwave, ear, travel, distance, medium, amplitude, particles, vacuum, eardrum
States of matter	solid, liquid, gas, evaporate, condense, melt, freeze, water cycle, temperature, precipitation, evaporation, condensation
Animals including humans	digestion, mouth, teeth, molars, canines, incisors, stomach, intestine, food chain, predator, prey
Electricity	circuit, cell, wire, bulb, switch, battery, conductor, insulator, complete, current, renewable, non-renewable
Working Scientifically	data, experiment, graph, evidence, factor, vary, outcome, result, conclusion



Year 5:

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Earth and Space		Forces and Motion	Plants and Living Things	Animals including humans	States of Matter
Working Scientifically					

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Earth and Space	planet, orbit, axis, rotation, day, night, solar system, moon, Earth, Sun, spherical bodies, gravity, star, satellite, rotate, geocentric model, heliocentric model, astronomer
Forces and Motion	air resistance, water resistance, friction, lever, pulley, gear, force, motion, gravity, mass, weight, buoyancy, streamlined, mechanism
States of Matter	property, dissolve, solution, mixture, filter, evaporate, condense, reversible, irreversible, reaction, conductor, insulator
Plants and Living Things	mammal, amphibian, insect, bird, life cycle, reproduction, flowering, non-flowering, gestation, metamorphosis, pollination, eggs
Animals including humans	life stages, puberty, growth, development, gestation, aging, prenatal, adolescence, menstruation, adulthood, life expectancy
Working Scientifically	Systematically, quantitative data, qualitative data, key factors, experimental, evidence, experiment, apparatus, method, conclusion

Year 6:

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Evolution and Inheritance	Light	All Living Things and Their Habitats		Animals including humans	Electricity
Working Scientifically					

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Evolution and Inheritance	adapt, evolve, offspring, inherit, fossil, characteristics, variation, species, environment, natural selection, traits
Light	source, reflect, straight line, shadow, transparent, translucent, opaque, incident ray, reflected ray, refraction, visible spectrum, prism
All Living things and Their	microorganism, classify, vertebrate, invertebrate, characteristic, species, habitat, genus, taxonomy, algae, fungi, bacteria, virus



Habitats	
Animals including humans	Circulatory system, heart, blood, vessels, lungs, oxygen, pulmonary, alveoli, gas exchange, villi, kidneys, liver, nutrients, exercise, drug, alcohol, lifestyle, impact
Electricity	component, symbol, current, voltage, cell, battery, circuit diagram, brightness, buzzer, switch, circuit, amps, resistance, electrons
Working Scientifically	Scale, quantitative data, anomalous, interpretation, experimental evidence, experiment, apparatus, method, conclusion

Working Scientifically Vocabulary (All Years)

observe, identify, compare, describe, question, predict, test, measure, sort, record, conclude, fair test, variable, evidence, result, pattern, classify, diagram, data, evaluate, accurate, explain, method, improvement

How disciplinary science concepts build from EYFS to Y6

Disciplinary Concept	EYFS	KS1 (Y1-2)	LKS2 (Y3-4)	UKS2 (Y5-6)
Observing & Questioning	Explore and notice changes using senses.	Ask simple questions and make observations.	Make systematic observations, use equipment carefully.	Formulate scientific questions and hypotheses.
Planning & Investigating	Explore freely and test ideas through play.	Perform simple tests with guidance.	Plan fair tests and identify variables.	Plan and carry out complex investigations independently.
Measuring & Recording	Use everyday language to describe size, weight, time.	Use simple equipment to measure.	Use standard units and data tables.	Use precise measurements and record in complex formats.
Analysing & Interpreting	Talk about what they notice.	Use observations to identify patterns.	Identify relationships and draw simple conclusions.	Interpret data, evaluate reliability and explain patterns.



Concluding & Evaluating	Talk about changes they see.	Use results to answer questions.	Draw conclusions based on evidence.	Evaluate results, discuss accuracy, suggest improvements.
Scientific Communication	Use simple descriptive language.	Use basic scientific vocabulary.	Use accurate vocabulary and record data in charts.	Use precise scientific terminology and written explanations.