



Lawrence View Primary and Nursery Science Vocabulary Progression

Foundation	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Working Scientifically						
question, answer, observe, observing, equipment, identify, sort, group, compare, differences, similarities, describe, measurements, test, results, secondary sources record - diagram, chart			explanations, conclusion, predictions, criteria, classify, changes, data, contrast, evidence, improve, secondary sources, guides, keys, construct, interpret research - relevant question equipment - thermometer, data - gather, standard units, record, classify, present record - drawings, labelled diagrams, keys, bar charts, tables		plan, variables, measurements, accuracy, precision, repeat readings, predictions, further comparative, fair test, identify, classify and describe, patterns, systematic, quantitative measurements report data - scientific diagrams, labels, classification keys, tables, scatter graphs, bar graph, line graphs conclusions, casual relationships, explanations, degree of trust, oral and written display, presentation evidence ideas, arguments biology, physics, chemistry	
Animals including Humans						
adult, child, baby, animal, bird, fish, head, leg, arm, mouth, face, back, toe, finger, hand, foot.	amphibian, fish, reptile, mammal, bird herbivore, omnivore, carnivore head, nose, ear, neck, shoulder, arm, elbow, wrist, hand, back, chest, hip, leg, knee, ankle, foot	survival, water, air, food reproduce, adult, baby, offspring, kitten, calf, puppy food chain, prey, predator, camouflage, protection exercise, hygiene, balanced diet	skeleton, skull, bones, muscles, movement, support, protection, nutrition	mouth, tongue, teeth, oesophagus, stomach, small intestine, large intestine, nutrients, absorb, canine, incisor, molar, carbohydrate, protein, vitamins, fat	womb, foetus, embryo, gestation, baby, toddler, teenager, elderly growth, development, puberty	function, circulatory system, heart, valve, blood vessel, vein, artery transport, oxygenated, deoxygenated lifestyle, drug, cardiovascular pulse, capillaries, ventricle,

	wing, beak, tail, fin sight, smell, touch, taste, hearing					
Plants						
Plant leaf, flower, tree, bush, grass, woodland, seed, grow.	deciduous, evergreen, tree, leaf, flower (blossom), petals, fruit, bulb, seed, roots, stem, trunk, branches	growth, germinate, light, temperature reproduce, lifecycle	air, water, transportation, nutrients, soil, reproduction, seed formation, seed dispersal, pollination			
Living things and their habitats						
carnivore predator home, habitat, lifecycle.		living, dead, habitat, desert, species microhabitat, woodland, meadow, hedgerow, pond		vertebrates, invertebrates environment, habitat, classification key producers predators prey consumer, adaptation	life process, reproduction, offspring, biomes, biodiversity	characteristic, classification, organism, micro- organism
Materials						
hard, soft, mix, join, wood, plastic, glass, hot, cold	wood, plastic, glass, paper, metal, rock hard, soft, rough, smooth, shiny, dull, bendy, stiff	brick, fabric, elastic, foil property, solid, waterproof, absorbent, opaque, transparent, squash, bend,	soils, organic matter, fossil, crystal sandstone, granite, marble, pumice	States of matter solid, liquid, gas, evaporation, condensation, particle, temperature, freezing,	hardness, transparency, conductivity (electrical, thermal) solubility, solution	

		flexible, twist, stretch push, pull, roll, slide, bounce	absorbent, crumble sedimentary, layer, sediment igneous, magma, lava, gas bubbles (tiny holes/spaces) metamorphic, change, squeeze, pressure	heating	dissolve, filter, evaporate, sieve, reversible, irreversible	
Light and Sound						
rainbow, torch, shadow, light, sound, loud, quiet	ear, nose, eye, see, smell, taste		light source, mirror, reflect, reflective, reflection shadow, transparent, translucent, opaque	vibration, wave, volume, pitch, tone, insulation		refraction, reflection, spectrum, rainbow
Earth and Space/Seasonal Changes						
Earth, moon, space, star, winter, summer, spring, autumn. rain, clouds, sunshine, snow	season, spring, summer, autumn, winter, month, year, day, night, sun, moon, light, dark				Earth, sun, moon, solar system, axis of rotation, day, night, phases of the moon, star, constellation	
Forces						

		squashing, bending, twisting and stretching.	force, contact, surface, magnetic, attract, repel, poles		air resistance, water resistance, friction, gravity lever, gear, pulley, Newtons	
Electricity						
battery, switch,				appliance, battery power, main power, circuit, series, cell, battery, wire, bulb, switch, break in circuit conductor, insulator		circuit - series, parallel voltage, volts, amps

Glossary of terms.

Word	Definition
amphibian	animals which live in and out of the water, they lay eggs, cold blooded
absorbent	a material that soaks up liquid or moisture.
air resistance	the frictional force air exerts against a moving object.
amps	a unit of electrical current
artery	one of the branching tubes that carry blood from the heart to all parts of the body
attract	a pull towards something
axis of rotation	an imaginary line passing through the centre of mass e.g. a planet around which it rotates.
bird	animals which have feathers, they lay eggs, have wings
boiling	boiling happens when a liquid becomes gas forming bubbles inside the liquid volume
canine	pointy teeth beside your incisors used for tearing food
capillaries	smallest of all blood vessels (hair like)
carbohydrate	the main source of energy from food for the body- potatoes, bread, pasta and rice are all carbohydrates
cardiovascular	the hear and blood vessels.
carnivore	an animal which eats only meat
condensation	a process by which a substance changes from a gaseous state to a liquid state
conductor	substances that an electric charge can pass through without difficulty
constellation	a group of stars
consumer	any living thing
consumer	organisms that eat other living things
deciduous	a plant that looses its leaves usually in winter
desert	a place that has very little rainfall- it can be hot or cold
dissolve	When a substance dissolves in water, you can't see it anymore, it's still there, but has mixed with the water to make a transparent liquid called a solution

embryo	an unborn human or animal in the earliest stages of growth when its basic structures are being formed
environment	everything around us. All our surroundings including the air, soil, water, plants, and animals make up the environment.
oesophagus	moves food from the back of your throat to your stomach
evaporation	the process of changing from a liquid to a vapor
evergreen	a plant which does not loose its leaves
foetus	An unborn baby that develops and grows inside the uterus after 11 week gestation (human)
filter	a process by which impurities or particles are removed from a fluid, either a liquid or a gas
fish	animals which live in the water, they have gills for breathing and fins for swimming, lay eggs.
food chain	the order in which organisms, or living things, depend on each other for food
force	a push or pull
freezing	a change in state from a liquid to a solid
friction	a force, the resistance of motion when one object rubs against another
gas	one of the three main states of matter. Gas is made up of atoms, tiny particles that make up molecules, and molecules that move faster and further away as compared to other states of matter, which enables gas to fill a container evenly.
gestation	the length of time young is carried in a uterus
gravity	a force which pulls together all matter
habitat	a place that an animal lives. It provides the animal with food, water and shelter.
herbivore	are animals that only eat plants
igneous	rocks that have formed by the cooling and hardening of molten lava or magma
incisor	front teeth using for chopping food
insulator	substances that an electric charge can not pass through
invertebrate	animals without a backbone or skeleton
irreversible change	when materials can not be changed back to how they were before the reaction took place.
lava	hot liquefied rock
lifecycle	is a series of stages a living thing goes through during its life

light spectrum	is a band of several colours: violet, indigo, blue, green, yellow, orange and red. A spectrum can be seen if the Sun's light is passed through a prism and allowed to gather on a white screen.
liquid	one of the three states of matter, conforms to the shape of container it is held in
magma	melted rock which is underground
magnetic force	force of attraction or repulsion between substances
mammal	animals which give birth to live young, they have fur or hair.
micro- habitat	a small area which differs somehow from the surrounding habitat where plants, animals and/or insects live
micro-organism	any life form so small that it can only be seen with a microscope
molar	back teeth used for grinding food
nutrition	the study of food and how it works on your body
omnivore	an animal that feeds on plants and other animals.
opaque	block light from traveling through them
organism	an individual living thing, such as a plant, an animal, or a germ.
oxygenated	to mix or dissolve oxygen into something
parallel circuit	a circuit in which the electric current passes through two or more branches or connected parts at the same time before it combines again
particle	tiny bits of matter that make up everything in the universe
predator	animal that lives mostly by killing and eating other animals
prey	an animal that is hunted or killed by another animal for food
rainbow	a multi-coloured arc in the sky caused by reflection, refraction and dispersion of light in water droplets resulting in a spectrum of light appearing in the sky
reflection	the return of light or sound waves from a material
refraction	happens when light changes direction, or bends, when it moves from one material to another
repel	a push away from something
reproduction	to create or recreate something, usually a new living thing, such as a baby.
reptile	animals which live on the land, have scales, cold blooded and lay eggs
reversible change	when materials can be changed back to how they were before the reaction took place.

sediment	a material(Solid) in a liquid that falls to the bottom
series circuit	consists of a single pathway through which electricity can flow
shadow	is the dark shape made when something blocks light.
solar system	consists of the Sun and everything that orbits, or travels around,
solid	one of the three states of matter-are objects that keep their own shape and do not flow in a given temperature.
solubility	the ability to dissolve into (become a part of) another substance
solution	a mixture where one substance is dissolved into another
star	any massive self-luminous celestial body of gas that shines of which the sun is one.
states of matter	all matter exists in one of three states- solid, liquid or gas
translucent	some light passes through it, but the light is scattered, so you can't see clearly through it
transparent	light completely passes through it, and you can see clearly through it.
transportation	movement of
ventricle	one of the four chambers of the heart
vertebrate	a animal with a backbone
voltage	is the name for the electric force that causes electrons to flow