



Science Vocabulary Progression St Francis Xavier Catholic Primary school 23 24



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Animals Including Humans- Biology	<p>Head, eyes, nose, mouth, ears, hands, fingers, feet, back, head, toes, arm, elbow, leg, toes, ear hands, eye, fingers, mouth, nose, animal, Face, leg, human, knee, animal, arm, fish, amphibians, reptiles, mammals, birds, omnivores, herbivores, carnivores</p>	<p>Offspring, grow, adult, survival, water, food, air, exercise, hygiene, nutrition, reproduce, egg, chick, chicken, caterpillar, pupa, butterfly, spawn, tadpole, frog, lamb, sheep, baby, toddler, child, teenager, adult</p>	<p>Nutrition, vitamins, minerals fat, protein, carbohydrates, fibre, water, skeletons, support, protection, skull, brain, ribs, heart, lungs, movement, joint, muscles, pull, contract, relax, diet</p>	<p>Human, digestive system, digestion, mouth, tongue, mixes, moistens, saliva, oesophagus, transports, stomach, acid, enzymes, small intestine, absorbs, water, vitamin,s large intestine, compacts, colon, teeth, incisors, cutting, slicing canines, ripping, tearing molars, chewing, grinding, floss, brush, food chain, sun, producers, prey, predators, carnivore, herbivore, omnivore</p>	<p>Human, development, Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, Elderly, Growth, Development, baby, teenager, adult, puberty, gestation, length, mass , grows, grow growing</p>	<p>Circulatory, Heart, Blood, pulse, rate, Veins, Arteries, Oxygenated, Deoxygenated, Valve, Exercise, Respiration, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, nutrients, water, muscles, cycle, circulatory system, diet, exercise, drugs, lifestyle</p>
Plants -Biology	<p>Plant, daisy, dandelion, fuchsia, weed, buttercups, pansy, rode, lavender, sunflower, sweet pea, iris, nettles, brambles, ivy roots, stem, leaves, flowers, petals, fruit, seed, bulb, blossom, trunk, crown, branches, bark, Holly, conifer, pine, spruce, oak, maple, birch, sycamore, ash, Botanist, Jack Hawkes, Scientist, Seed potatoes (small tubers)</p>	<p>Sunlight, water, temperature, nutrition, Seed coat, embryo, food store, bulb, seed, germination, swell, conditions, dispersal, bursting, shakers, pods, fertilizer, germination mature, develop, lifecycle, reproduce, Bean plant Marie Clark Taylor, Botanist, Botany</p>	<p>Flower, leaves, fruit, stem, trunk, root system, shoot system, reproduction, theory, celery, transportation, fertilisation, petal, stamen, anther, filament carpel, Pistil, sepal, pollination, pollinator, seed dispersal, Stamen, anther, filament, Pistil, stigma, style, ovaries, pollination, pollinated, cross-pollination, dispersal, Bursting, Shakers, Pods, fertilizer, germination Nutrients, respiration, excretion, sensitivity, Mary Seacole</p>			



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<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Living Things and Their Habitats- Biology</p>		<p>Movement, respiration, sensitivity, growth, reproduction, excretion, nutrition, habitat, environment, adapt, Arctic, Cattail, environment, depend, Co-depend, survival, Invertebrates, micro habitat, woodlice, caterpillars, ladybirds, investigations, mini beast, food chain, carnivore, herbivore, omnivore, producer, prey, consumer, predator, Sir David Attenborough, Biologist, wildlife</p>		<p>Classification, characteristics, Venn diagram, Carroll diagram, variation, species, vertebrate, invertebrate, backbone, mammal, reptile, amphibian, reptile, classification, key Specimen, Exoskeleton, thorax, abdomen, antennae, annelids, Classification key, characteristics, features, unique, threat, negative impact, potential harm, extinct, adapt, Rainforest, Invasive species, extinct, natural disaster Carl Linnaeus</p>	<p>Reproduction, gametes, fertilization, cuttings, roots, tubers, clones, plantlet, spider plant, genetically identical, mammal, warm blooded, maintain, placentals, monotremes, marsupials, Jane Goodall, metamorphosis, amphibian, insect, chalaza, germinal disc, albumen, shell membrane, hatching .</p>	<p>Kingdom, phylum, class, order, family, genus, species, kingdoms, classification Organism, micro-organism, unicellular organism, multicellular organism, nucleus, bacteria, chlorophyll, photosynthesis, kingdom Monera, kingdom Protista, kingdom fungi, penicillin Chlorophyll, Photosynthesis, Spore, flowering, conifers, ferns and mosses, Vertebrate, Invertebrate, variation, arthropods, arachnids, mollusks, sponges, cnidarians, classification key</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Evolution and Inheritance- Biology</p>						<p>Offspring, reproduction, vary, characteristics, suited, adapted, environment, inherited, inherit, inheritance, species, fossil, characteristics, variation, evolution, adaptation, advantageous, dis advantageous, Charles Darwin</p>

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<p>Seasonal Changes Physics/Biology</p>	<p>Season, summer, winter, autumn, spring, day, daytime, weather, wind, rain, snow, hail, sleet, fog, sun, hot, warm, cold, sunrise, sunset, day length</p>					
<p>Forces- Physics</p>			<p>Force, push, pull, theory, gravity, friction, forces, movement, cyclist, elevation magnet, magnetic field, iron filings, metal, pull force bar magnet, cylindrical magnet, horseshoe magnet, ring magnet, square magnet, arc/crescent magnet, Poles, attract, repel, compass, North pole, South Pole, magnet, attract, repel, plan, design</p>		<p>Gravity, gravitational pull, air resistance, descends, opposing forces, water resistance, buoyancy, upthrust Isaac Newton, gravitational pull, mass, weight, kilograms, Newtons Water resistance, streamlined shapes Mechanism, levers, pulleys, gears, cogs, Rube Goldberg Stephanie Kwolek, Kevlar</p>	



<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Earth and Space- Physics</p>					<p>Earth, Sun, Moon, (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune), Pluto, dwarf planet, planets, star, spherical, sphere, day, night, light, solar system, movement, rotates, star, orbit, axis, celestial body, heat, eclipse, satellite, universe, solar, Astronomer, Ptolemy, Alhazen, Copernicus, shadow clock, sun dial</p>	
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Electricity- Physics</p>				<p>Electricity, electrical appliance, battery, mains powered, Venn diagram, component, simple series circuit, cell, motor, Alessandro Volta, wires, bulb, bulb holder, switch, crocodile clip, buzzer, circuit, electricity, series circuit, complete circuit, incomplete circuit, bulb, wire, battery, cell, energy ball, conductor, electricity, cell, bulb, battery, circuit, complete, incomplete, conductor, insulator, material, object, equipment, Electricity, battery, cell, circuit, switch, bulb, wires, complete circuit, incomplete circuit, closed, open, on, off, slide switch, toggle switch, selector switch, push button switch, power plants, Solar energy, Wind energy, Hydro energy, Tidal energy, climate change, fossil fuels, Alessandro Volta</p>		<p>Electricity, Thomas Edison, Nikola Tesla, Alessandro Volta, Michael Faraday, home, alternating current, direct current, battery, cell, bulb, battery, cell, wires, switch, motor, buzzer, scientific, informal, circuit, diagram, voltage, circuit, bulb, wires, cell, battery, buzzer, motor, switch, circuit diagram, brightness, loudness, increase, decrease, battery, buzzers, wire, length, electrical wires with crocodile clips, bulb Holders, battery Holders (single and double) Completed Electricity, James Watt</p>



<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Sound- Physics</p>				<p>Sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, loud, insulation, vibrating air, medium, ear, hear, sound, volume, pitch, faint, fainter, loud, louder, string, percussion, woodwind, brass, insulate, data logger, Galileo Galileo</p>		
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Materials- Physics/Chemistry</p>	<p>Object, material, man-made, natural, wood, metal, plastic, paper, brick, rock, fabric Identify, difference, similarities, properties, Hard, soft, stretchy, stiff, shiny, dull, rough, smooth, bendy, not bendy, waterproof, not waterproof, absorbent, not absorbent, opaque, transparent Sorting circle, Venn diagram, similarities, differences</p>	<p>Materials, properties, observe, wood, metal, plastic, glass, brick, rock, paper and cardboard Road- tarmac, Windows- glass, Lamp post- concrete, Planters- wood, suitability, comparison, opaque, transparent, houses, brick, bending, stretching, twisting, squashing, manipulating, manipulation recycling, processing center, pellets, John Macadam</p>	<p>Rock, stone, pebble, appearance, texture, physical properties, hard/soft shiny/dull rough/smooth absorbent/not absorbent, layers, fossils, sedimentary rock, marble, chalk, granite, sandstone, soils, organic matter, clay soils, buildings, grains, crystals</p>	<p>Solid, liquid, gas, particles, state, material, properties Gas, carbon dioxide, state, matter, material, weight, mass, solid, liquid, particles, melt, freeze, thermometer, temperature melt, freeze, condense, evaporate, process, state, water, ice, water vapor Evaporation, particles, liquid, gas, weight, dry, energy, state, heat. Evaporation, condensation, precipitation, collection, clouds, rain, sleet, hail, snow</p>	<p>Properties, synthetic, man-made, polyester, Kevlar, Thermal conductor, thermal insulator, thermal, conductor, insulator, heat, material, variable, independent variable, dependent variable, controlled variables Electrical insulator, electrical conductor, electrical resistance Dissolve, soluble, solution insoluble, liquid, solid Separate, mixture, solution, suspension, soluble, insoluble, dissolve, evaporate, solid, liquid, filter, sieve, magnet, attract, particles. Reversible, irreversible, physical, chemical, reaction, reactant, product</p>	



Light- Physics			<p>light, source, dark, reflect, see, illuminate, visible light, source, dark, absorb, reflect, non-reflective, illuminate, visible Reflect, mirror, light, smooth, shiny, rays, rough, scatter, reverse, beam Light, sun, beneficial, dangerous, glare, bright, damage, UV light, UV rating, visible spectrum, pupil, retina, protect, direct, sunglasses, hat, brim, Light, energy, beam, ray, travel, straight, opaque, translucent, transparent, block, shadow, Shadow, light, source, observe, pattern, opaque, size, distance, change Ibn al-Haytham</p>			<p>Light, source, travel, straight line, waves, ray, beam, wave, photon, energy, vacuum Reflection, angle, incidence, normal, periscope, refraction, bend, lens, focus, focal point, transparent, absorb, refract, spectrum, wavelength, colour, prism, visible, transparent, rainbow. Filter, colour, light, see, reflect, absorb, optical filter, shadow, light, source, opaque, size, distance, change, tilt, cast, Euclid</p>
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