Sacred Heart Catholic Primary School

Science Vocabulary Progression

Topic	EYFS	Key Stage 1		Lower Key Stage 2		Upper Key Stage 2	
Animals Including Humans	Minibeasts Spider Ladybird Bee Ant Caterpillar Butterfly Snail minibeast	Animals Including Humans fish, amphibian, bird, reptile and mammal. carnivores, herbivores and omnivores body parts: beak, head, tail, leg and wing, neck, arms, elbows, face, knees, ears, eyes, mouth, teeth, hair sight, hearing, taste, smell and touch, body part (organ)	Animals Including Humans Life cycle Survive offspring Essential needs /non essential needs Cleanliness Clean Exercise Muscle Hygiene Food groups: bread, cereal, potatoes (carbohydrates); fruit and vegetables; meat and fish; milk and dairy; fats and sugars	Animals Including Human Energy, bread cereal and potatoes (carbohydrates) ; fruits and vegetables (contain vitamins and minerals) ; meat and fish (protein) ; milk and diary (calcium) ; fats and sugars. Portions, vegan, vegetarian herbivore, carnivore or omnivores , producer, consumer , photosynthesis, food chain, arrows, energy flow, ecosystem ,	Animals Including Humans Digestive system , mouth, oesophagus, stomach, small intestine , large intestine, incisors, canines, molars, enamel , dentine, pulp, gums, jawbone/skull, dentist, toothpaste, dental floss, diet, micro organisms, decay, cavity, acid , toothache the flow of energy, predator, prey, consumer, producer	Animals Including Humans Gestation period, human foetus, puberty ,womb, menstruation, period, nipples, breasts, fat, vagina, muscles, body odour, acne (spots), erections, penis, semen, frail, new-born, child, adolescent, young adult, middle-aged adult, old/elderly adult.	Animals Including Humans Blood, blood vessels , red blood cells, white blood cells, oxygen, infection, platelets, bleeding, plasma, circulatory system, heart, pump, vital, organ, oxygen, carbon dioxide, cells, waste products, nutrients, left atrium, right atrium, right ventricle, valve, aorta, arteries, veins,

				skeleton, endoskeleton , movement, support, protect skull, jaw, humerus, radius, ulna, spine, pelvis, femur, tibia and fibula, muscle, bicep, triceps endoskeleton, exoskeleton, hydro skeleton			pulmonary artery, pulmonary vein, lungs, gas exchange , heart rate, beats per minute (bpm), alcohol, ethanol, (%ABV), inhale, exhale , tobacco, nicotine, energy, diet, lifestyle,
Seasonal changes Living Things & Their Habitats	Seasons Seasons, autumn, winter, spring, summer, Weather, sunny, rainy, windy, snowy, cloudy	Seasonal changes Seasons, autumn, winter, spring, summer, daylight, clothing, weather types e.g rain, sun, wind, snow, sleet	Living Things & Their Habitats Habitats Living /non living Adaptions micro-habitats food chain consume consumer produce producer		Living Things & Their Habitats herbivores, mammals, flowering plants, vertebrates, oviparous, viviparous, animal, aquatic animals, reptiles, scales, gills, vertebrate, invertebrate, branching key , organism , deforestation	Living Things & Their Habitats life cycles, amphibian , frogs, salamanders, axolotls, metamorphosis , eusocial, petal, anther, sepal, carpel, stigma, style, ovary, pollen grain, pollen tube, ovule,	Living Things & Their Habitats Mammal, amphibian, reptile, fish, bird, vertebrate, invertebrate, insects, arachnids, molluscs, worms, tetrapod, taxonomy,

						cutting, sexual reproduction, male , female, sperm, egg, fertilisation, zygote, embryo	organisms, taxonomy, binominal name (genus – species), domain, kingdom, phylum, class, order, family, genus, species, Carl Linnaeus, binominal nomenclature, Celsius, racial groups, dichotomous classification key, arthropods, arachnids, crustaceans, myriapods , pinnate, palmate, simple, compound, lobed.
Plants	Plants	Plants	Plants Reproduction, pollination,	Plants Line graph, roots, tuber, stem, bulb,			

	Plant soil petal root water colour stem light seed leaf green soil flower grow sun Tree Branch leaf	Deciduous, evergreen, trees, leaves, flowers, (blossom), petals, fruits, roots, bulb, seed, trunk, branches, stem, wild, common, autumn , produce, pictogram, investigate, data	leaves, flower, stem, roots, germination, seed production, growth, flowering, bulbs, investigation, soil, water, sunlight	trunk, branch, leaf, flower and fruit, cactus, cress, sand, compost, variable germination, growth, flowering, and fertilisation/seed production. insect pollination, wind, animal and water pollination, petals, sent, nectar, stamen (male part) , stigma (female part).			
Everyday materials Rocks States of Matter Properties & Changes of Materials	Materials Hard, soft, flexible Float Sink Water Plastic Wood Paper Stone, stick. Water, Ice,	Everyday materials Material, object, wood, metal, plastic, paper , glass, metal, water, rock , fabric , elastic foil bendy/not bendy, hard/soft, transparent/opaque Stretchy/stiff Shiny/dull	Uses of Everyday Materials Range of materials e.g : leather, plastic, card, wood, metal, glass , rubber, stone, paper , fabric Range of properties e.g.: squashing,	Rocks Soil, sedimentary rock, scratch, tally, frequency table, bar chart, organic matter, porous, float, Venn diagram, organisms, palaeontologist , humus (dead or rotting organisms), air spaces, mini	States of Matter Heating, boiling, boiling point, temperature, solid, liquid, gas , state, change of state, freeze, melt, evaporate, condense, energy, particle, thermometer , thermal insulator , water cycle, evaporation,	Properties & Changes of Materials Substance, solution, evaporate, electrical conductors, transparent, strong, thermal conductors, magnetic, soluble, solute, solvent,	

		Rough/smooth Waterproof/not waterproof absorbent/not absorbent	bending, twisting and stretching, transparent, float, (see year 1 vocab too) attracted to a magnet, tough, flexible/inflexible / rigid, light, heavy, strong, insulating, smooth, rough, waterproof, absorbent, transparent, opaque, fragile, reflective.	beasts, sedimentary, metamorphic, igneous, chalk, diamond, sandstone, slate, granite, flint, marble and sandstone.	condensation , precipitation , solar still.	dissolve, particles, mixture, Post-It Notes, wrinkle-free cotton, polar fleece, Gore-Tex, reversible and irreversible reactions	
Sound Forces Evolution and Inheritance	Senses Sound Touch Taste Sight Smell Body parts Arm Leg				Sound Ear canal, medium eg. air, ear canal, processed, brain , vibration, outer ear, eardrum, middle ear , hammer, anvil, stirrup, cochlea, electrical signals ,	Forces Lever, fulcrum, beam, load, weight, mass, Newtons, mass, weight, Newton meter or force meter, air resistance, parachute, canopy, water	Evolution and Inheritance Evolution, predation, mutation, population, Mary Anning, fossil, palaeontologist , natural selection,

	Face, Nose, Eyes Lips, tongue ear				auditory nerve, brain, sounds, sound insulator, loudness, pitch , stringed instrument , volume, scatter graph, median, mode/modal , mean maximum/minimum	resistance – push and pull, friction, pulley , gear, rotate, clockwise , anti clockwise	Darwin, inherit, traits, offspring, environment, adaptation, survival.
Forces and Magnets Electricity Earth& Space	Physical Processes Push Pull Slide Roll glide			Forces and Magnets Magnet , magnetic , metal , aluminium, fair test, magnetic poles, north , south, attract, repel, electromagnets , electrical current coil wrapped, permanent magnet, a maglev train, an MRI machine , a crane , a button magnet and a compass.	Electricity Conductor, insulator, circuit, bulb, cell, wire , electricity, electrical, machine, electrical components, switch, buzzer, bell , electrical symbol, circuit diagram, simple circuit , dangerous , danger	Earth Space Solar system, planets, terrestrial, gas giant, ice giant, Geocentric model, Heliocentric model, moon, astronomers, Mercury, Earth, Jupiter, Uranus, Sun, Venus, Mars, Neptune, Theia, Lunar Cycle, New Moon , Waxing Crescent, Half	Electricity electrical components, switches, bulbs, buzzers, motors, cells, wires, symbol, voltage (V), electrons, series circuit, (and parallel circuit)

						Moon, waxing Gibbous, Full Moon, Waning Gibbous, Half Moon, waning Crescent, approximately spherical, compressing, gravity , thermonuclear fusion, formula, 'Earth ruler' , diameter, terrestrial, gas giant and ice giant, rotation, rotate, sundial, gnomon (shadow caster)	
Light	Light Night Day Morning, lunchtime, Evening Moon Sun torch			Light Shadow, light source, non-light source, eyes, reflect / reflection/ reflecting/ reflector , frequency chart, tally chart, sun,			Light Straight line, light source, non-light source, opaque, transparent, translucent, blocking,

				exposure, sunscreen (SPF) , star, orbits, hydrogen, helium, orbits, sunglasses, shade, damage/damaging , opaque, blocks, straight lines, opaque, transparent , translucent, sundial, rotation, Earth, calibrate, gnomon (shadow caster)			shadow, angles, mirror, reflect, cornea, iris, pupil, lens, retina, optic nerve, white light, spectrum, prism