LONGTON LANE PRIMARY SCHOOL

 ***‘Believe and Achieve’***

**Science Curriculum Key Vocabulary Y1-Y6**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** | **Working Scientifically** |
| **Year 1** | **Animals including humans**Fish, reptiles, mammals, birds, amphibians (+ examples of each), human, scales, gills,mouth, nose, knee, elbow, back, wings, beak, skeleton, teeth, touch, sight, smell, hearing, taste | **Seasonal Changes**Weather, Summer, Spring, Autumn, Winter, Season, light, dark, thunder, lightning, hail, rain, sun, wind, snow, storm | **Everyday Materials**Material, wood, plastic, glass, paper, fabric, metal, rock, hard, soft, smooth, shiny, rough, bendy (flexible), rigid, purpose, texture, water | **Animals including humans**Fish, reptiles, mammals, birds, amphibians (+ examples of each), human, herbivore, carnivore, omnivore, dietmouth, nose, knee, elbow, back, wings, beak, skeleton, teeth,  | **Seasonal Changes**Weather, Summer, Spring, Autumn, Winter, Season, Sun, day, moon, night, light, dark, thunder, lightning, hail, sunset, sunrise, dawn, dusk, daylight, hours, longer, shorter, rain, sun, wind, snow, storm | **Plants**Evergreen, deciduous trees,  branches, trunk, leaves, flowers, petals, fruit, roots, bulb, seed, stem, vegetables, habitat, wild, common | Investigation, enquiry, what to change, what we used, what we did, what we found out, chart, table, group, compare, observe, sort, classify, record, accuracy, test |
| **Everyday Materials**Material, wood, plastic, glass, paper, fabric, metal, rock, hard, soft, smooth, shiny, rough, bendy, rigid, purpose |
| **Year 2** | REVIEW YEAR !**Animals including humans**Fish, reptiles, mammals, birds, amphibians (+ examples of each), habitat, human, herbivore, carnivore, omnivore, heart, knee, elbow, wings, beak, teeth, organtouch, sight, smell, hearing, taste | **Living things and their habitats**Living, dead, habitat, food chain, prey, predatorwoodland, pond, desert, ocean, seashore, rainforest, environment, conditions, depend, never been alive | **Use of everyday materials**Review Y1 stiff, shiny, dull, rough, smooth, waterproof, absorbent, transparent, opaque, brick, fabric, foil, squashing, bending, twisting, stretching, elastic, multipurpose, suitable / unsuitable | **Animals including humans**Survive, water, air(oxygen) food, adult, baby, toddler, child, teenager, offspring, kitten, calf, puppy, foalexercise, hygiene, diet, nutrition, reproduction (life cycle), humans, food groups | **Living things and their habitats**habitat, micro-habitat,food chain, prey, predatorwoodland, pond, desert, ocean, seashore, rainforest, environment, conditions, depend, consumer, producer, source | **Plants**Review Y1 Air, soil, roots, stem, leaves, petals seeds, bulb, water, light, temperature, growth, germination, mature, seedling, survive, healthy, deciduous, evergreen, nutrients | Investigation, enquiry, what to change, what we used, what we did, what we found out, chart, table, group, compare, observe, sort, classify, record, accuracy, test, suitable |
| **Year 3** | **Forces & Magnets**Force, push, pull, contact, magnetic, attract, repel, poles (north / south) Friction, resistance, weak, strong | **Rocks & soils**Names of some rocks, physical properties, rock, permeable / impermeable, hardness, sedimentary, fossils, organic matter | **Animals including humans**Bones, muscles, skull, ribs, skeleton, support, protection, movement, jawline, Food group, protein, carbohydrate, fats, vitamins, minerals | **Light**Light, dark, shadows, blocking, mirror, reflect, reflective, reflection, light source, opaque, transparent, translucent, protection | **Plants**Review Y1 & 2nutrients, reproduction, seed formation, dispersal, germination, pollination, transportation, species, location, nutrition | Investigation, enquiry, prediction, variable, dependent variable, independent variable, constant, patterns, equipment, apparatus, method, results, conclusion, graph, patterns, distance, data, theory, fair test, reasoning |
| **Year 4** | **Living things and their habitats**Fish, reptiles, mammals, birds, amphibians, environment, habitat, vertebrate, invertebrate, classification keys, flowering plants / non-flowering plants | **Sound**Volume, vibration, sound wave, sound source, loud, soft, high pitch, low pitch, tone, speaker, insulation | **Electricity**Cells, (batteries, wires, switches, circuit, series (simple / series), loop, lamp, motor, buzzers, bulbs, mains electrical insulators, conductors |  **Animals including humans**canine, incisor, molar, oesophagus, stomach, small intestine, large intestine, herbivore, carnivore, omnivore, food chain, predator, prey, producer, consumer  | **Animals including humans**canine, incisor, molar, oesophagus, stomach, small intestine, large intestine, herbivore, carnivore, omnivore, food chain, predator, prey, producer, consumer  | **States of matter**State, solid, liquid, gas, temperature, heating, melting, cooling, freezing point, boiling point, particles, evaporation, condensation, water cycle, Celsius,thermometer, thermal insulation  | Investigation, enquiry, prediction, variable, dependent variable, independent variable, constant, patterns, equipment, apparatus, method, results, conclusion,graph, patterns, distance, data, theory, fair test, reasoning |
| **States of matter**State, solid, liquid, gas, temperature, heating, melting, cooling, freezing point, boiling point, particles, evaporation, condensation, water cycle, Celsius,thermometer, thermal insulation |
| **Year 5** | **Properties & changes of materials**Properties, hardness, transparency, conductivity (electrical / thermal), magnetic,  | **Properties & changes of materials**solubility, mixing, dissolving, melting, sieving, substance,solution, solute, filter, filtration, evaporation, condensation, chemical change, reversible irreversible, reacting / reactants | **Forces**Force, friction, Newton, gravity, Newton meter, air resistance, water resistance,gears, pulleys, levers, mechanism | **Earth & Space**axis, solar system, star, constellation,phases of the moon, waxing, waning, gibbous moon, full moon, dawn, dusk, rotation, names of the planets, orbit,  | **Light**Reflection, refraction, lens, light spectrum, colour, prism, light source, shadow | **Animals including humans**Foetus, embryo, womb, gestation, toddler, teenager, puberty, adolescent, development, growth | Investigation, enquiry, prediction, variable, dependent variable, independent variable, constant, patterns, equipment, apparatus, method, results, conclusion,graph, patterns, distance, data, theory, fair test, reasoning |
| **Year 6** | **Living things and their habitats**Reproduction, mammal, insect,amphibian, offspring, lifecycle, complete / incomplete metamorphosis, life process, naturalists, sexual / asexual | **Living things and their habitats**Classification, mammals, amphibians, reptiles, insects, vertebrates, invertebrates, fungi, micro-organisms, bacteria, subdivision, observable characteristics,keys, classification systems | **Evolution & Inheritance**Fossils, adaptation, evolution, characteristics, reproduction, genetics, inhabited, breeds, variation, survival, palaeontologist | **Electricity**Cells, batteries, wires, bulbs, switches, buzzers, components, voltage, symbols,circuit, simple / series / parallel, conductors, insulators, amps, volts | **Animals including humans**circulatory system, veins, blood vessels, capillaries, arteries, valves, oxygenated, deoxygenated, pulse, respiration, lifestyle, nutrients, internal organs, skeletal, muscular, substances | **Review all KS2 Vocabulary** | Investigation, enquiry, prediction, variable, dependent variable, independent variable, constant, patterns, equipment, apparatus, method, results, conclusion,graph, patterns, distance, data, theory, fair test, reasoning |