

Science Vocabulary at Ludlow Primary School



| Science Topic | Year 1-2 | Year 3-4 | Year 5-6 |
|----------------------------------|--|--|---|
| Working Scientifically | Experience, observe, changes, patterns, grouping, sorting, classifying, compare, identify (name), data, measure, record, equipment, questions, test, investigate, explore, magnifying glass / hand lens, same, different | Develop, enquiry, practical, enquiry, fair test, comparative test, relationships, conclusion, accurate, thermometer, data logger, estimate data, diagram, key, (identifying) table chart, bar chart, results, predictions, explanation, reason, similarity, difference, question, evidence, information, findings, criteria, values, properties, characteristics | Variables, evidence, justify, accuracy, precision, scatter graphs, bar graphs, line graphs, argument (science), causal, relationship |
| Animals, including humans | Names of common animals: fish, amphibians, reptiles, birds, Mammals, carnivores, herbivores, omnivores Human body senses: see, hear, feel, smell, taste Habitat, local environment, pet, wild, animal, insect, minibeast, food, eat, head, neck, body, arms, legs, ears, eyes, nose, mouth, tongue, hands, feet, fingers, toes, elbows, knees, hair, teeth, grow, healthy, offspring, adults, young, water, air, survive, exercise, hygiene, egg, chick, chicken, caterpillar, pupa, moth, butterfly, tadpole, frog, frog spawn, lamb, sheep, calf, cow, foal, horse | Nutrition, diet, skeleton, muscles, protection, support, movement, bones, skull, shell, digestive system, stomach, small intestine, large intestine, oesophagus, Types of teeth: molar, premolar, incisor, canine saliva | Puberty, gestation period, circulatory system, heart, lungs, blood vessels, blood, lifestyle, disease, water transportation, nutrient transportation, oxygen, air, breathing, exercise, diet, drugs |
| Plants | Plants, wild plants, garden plants, evergreen trees, deciduous trees, common flowering plants, flowers, vegetables, leaf/leaves, flower, blossom, petal, stem, trunk, branch, root, seed, bulb, bud, growth, grow, habitat, local environment, leaf fall, water, light, temperature, healthy growth, survive, soil, germinate, stages of growth | Functions, nutrients, nutrition, air, transport (water), life cycle, pollination, seed formation, seed dispersal, reproduce, fertiliser | |

| | | | |
|---|--|---|--|
| Living things and their habitats (including evolution and inheritance) | Pond, garden, field, park, woodland, sea shore, river, ocean, forest, rainforest, stones, rocks, logs, leaf, litter, habitat, micro-habitat, living, dead, not living, alive, healthy, food, food chain, depend, source of food, shelter, grow, growth, healthy | Environment, non-flowering plants, ferns, mosses, flowering plants, grasses, Vertebrate animals: fish, birds, mammals, amphibians, reptiles Invertebrate animals: snails, worms, slugs, spiders, insects Human impact – litter, deforestation, population increase, nature reserves | life cycles, reproduction, life processes, sexual and asexual reproduction (plants), root cuttings, classification, microorganisms, organisms, evolution, evolve, adaptation, variation, inherit, inheritance |
| Materials (including rocks and soils) | Everyday materials: wood, paper, plastic, metal, glass, water, rock, brick, stone, fabric material, foil, elastic, dough, rubber, card, cardboard, clay Object: make/made hard/soft shiny/dull stretchy/stiff rough/smooth bendy/not bendy waterproof/not waterproof transparent/opaque absorbent/not absorbent, squash, twist, bend, stretch | Rock, soil, fossil, organic matter, grains, crystals, sedimentary rock, metamorphic rock, igneous rock | Properties, hardness, solubility, transparency, electrical conductivity, thermal conductivity, magnetism, dissolve, solution, substance, separating, mixing, filtering, sieving, reversible change, burning, rusting, reactions, irreversible change |
| States of matter | | Solid, liquid, gas, temperature, heat (heating), cool (cooling), water cycle, evaporation, condensation, melting, freezing, | Solid, liquid, gas, temperature, heat (heating), cool (cooling), water cycle, evaporation, condensation, melting, freezing, |
| Earth and space (Including Seasons) | Seasons, seasonal change, spring, summer, autumn, winter, weather, sun, sunshine, rain, snow, sleet, ice, frost, fog, cloud, hot, cold, storm, sky, earth, night, day, | | Solar system planets: Mercury, Venus, earth, Mars, Jupiter, Saturn, Neptune, Uranus Moon, stars, spherical bodies, rotation, orbit, satellite, gravity, light years |
| Electricity | | Electricity, simple circuit, light bulb, cell, wire, buzzer, switch, motor, battery, series, circuit, conductor, insulator | Voltage, components, symbols, circuit, diagram |
| Forces | | Move, movement, surfaces, forces, push, pull, contact, distance, magnet, bar magnet, ring magnet, horseshoe magnet, attract, repel, poles (of magnets), magnetic, materials | Gravity, air resistance, water resistance, friction, levers, pulleys, gears, springs |
| Light | | Light, dark (absence of light), reflect, shadow, opaque, mirror, reflective, surface | Light sources, periscope |
| Sound | | Sound, vibration, vibrate, pitch, volume, insulation | |