**Tier 3 vocabulary**

**Acorn 2021- 2022**

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| **Unit**  | **Vocabulary**  |
| **My body (Y1)** | **Body, head, neck, arms, elbows, legs, knees, face, ears, eyes, eyebrows, eyelashes, nose, hair, mouth, teeth, tongue, feet, toes, fingers, nails, ankle, calf, thigh, hips, waist, trunk, chest, shoulders, back, hands, wrist, tail, wing, claw, fin, scales, feathers, fur, beak, senses, hearing, seeing, touching, smelling, tasting, smooth, bright, dim, loud, quiet, high, low, etc.** |
| **Growth and survival (Y2)** | **offspring, life cycles, grow, change, adults, basic needs, water, food, air survival, exercise, food types (fruit and veg, bread, rice, pasta, milk, dairy, foods high in fat and sugar, meat, fish, eggs, beans), hygiene, etc.** |
| **Exploring Everyday Materials (Y2)** | **Wood, plastic, glass, metal, water, rock, hard, soft, stretchy, stiff, shiny, dull, rough, smooth, bendy, not bendy, waterproof, not waterproof, absorbent, not absorbent, brick, paper, fabrics, elastic, foil, etc** |
| **Seasonal Changes(Y1)** | **Season, spring, summer, autumn, winter, weather, hot, warm, cool cold, sunny, cloudy, windy, rainy, snowing, hailing, sleet, frost, fog, mist, icy, rainbow, thunder, lightning, storm, light, dark, day, night, etc.** |
| **Living in habitats(Y2)** | **living dead never alive habitats micro-habitats food chain sun grass cow human alive healthy logs, leaf litter stony path under bushes shelter seashore woodland ocean rainforest conditions hot/warm/cold dry/damp/wet bright/shade/dark, etc.** |
| **Growing Plants (Y2)** | **wild plants garden plants deciduous, evergreen, leaf root leaves bud flowers blossom petals root stem, grow healthy, deciduous evergreen trunk branches leaf root, fruit vegetables bulb seed, water light suitable temperature germination, etc.** |
| **Everyday Materials(Y1)** | **Material, wood, plastic, glass, metal, water, rock, brick, paper, fabrics, elastic, foil, properties, hard/soft, stretchy/stiff, shiny/dull, rough/smooth, bendy/not bendy, waterproof/not waterproof, absorbent/not absorbent, etc.** |
| **Identifying Plants(Y1)** | **Common, wild plants, green plants, deciduous, evergreen, tree, trunk, branches, leaf, root, plant, leave, bud, flowers, blossom, petals, stem, fruit, vegetables, bulb, seeds, etc.** |
| **Identifying animals(Y1)** | **Fish, amphibians, reptiles, birds, mammals, pets, carnivores, meat, cat, dog, lion, tiger, fox, shark, killer whale, eagle, hawk, snake, tyrannosaurus rex, herbivores, plants, cow, hamster, guinea pig, tortoise, triceratops, omnivores, meat and plants, badger, human, bear, chickens, head, neck, arms, elbows, legs, knees, face, ears, eyes, hair, mouth, teeth, tongue, nose, skin, taste, smell, vision, touch, hearing, insects, etc.** |
| **Super Scientists (Y2)** | **Isaac Newton, gravity, force, ground, floating, air, speed, spinners, marble, shine, patterns, light, transparent, famous, discover, theory of gravity, scientifically, world, discovered, telescope, prisms, torch, mirror, rainbow, rains, etc.** |

**Oak Year 3 and 4 2021-2022**

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| **Unit**  | **Vocabulary**  |
| **Health and movement** | **keeping healthy, diet, balanced diet, side effect, fats, sugars, food types, heart, circulation, heartbeat, pulse, pulse rate, muscle, blood, blood vessel, lung, breathe, growth, activity, etc** |
| **Complete eating and digestion** | **mouth, tongue, oesophagus, salivary gland, teeth, large intestine, small intestine, pancreas, liver, stomach, swallow, chew, rectum, colon, anus, etc** |
| **States of matter** | **solid, liquid, gas, evaporation, condensation, freezing, boiling, change of state, melting, melting and boiling point, precipitation, etc** |
| **Rocks, Fossils and Soils (Y3)** | **Rock, stone, pebble, boulder, soil, fossils, grains, crystals, texture, absorb water, let water through, marble, chalk, granite, sandstone, slate, sandy soil, clay soil, chalky soil, peat, etc.** |
| **Light and Shadow (Y3)** | **Light, light source, darkness, reflect, reflective, mirror, shadow, block, direction, transparent, opaque, translucent, etc.** |
| **Sound(Y4)** | **Sound, sound source, noise, vibration, travel, solid, liquid, gas, pitch, tune, high, low, volume, loud, quiet, fainter, muffle, strength of vibrations, insulation, instrument, percussion, strings, bass, woodwind, tuned instrument, etc.** |
| **Forces and Magnets(Y3)** | **Force, contact force, non-contact force, magnetic force, magnet, strength, bar/ring/button/horseshoe magnets, attract, repel, magnetic material, metal, iron, steel, non-magnetic, poles, north/south pole, etc.** |
| **Electricity(Y4)** | **Electricity, appliance, device, mains, plug, electrical circuit, complete circuit, circuit diagram, circuit symbol, components, cell, battery, positive/negative, connect, connection, short circuit, wire, crocodile clip, bulb, bright/dim, switch, buzzer, motor, faster/slower, conductor, insulator, metal/non-metal, etc.** |
| **How Plants grow(Y3)** | **flowering plants, roots, stem/trunk, leaves, flowers, nutrition, support, reproduction, makes its own food, air, light, water, nutrients from the soil, room to grow needs vary, fertiliser, flowers pollination, seed, formation, seed dispersal, etc.** |

**Oak Year 5 and 6 2021-2022**

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| **Unit**  | **Vocabulary**  |
| **Healthy Bodies(Autumn 1)** | **healthy, balanced, varied, growth, energy, activity, fats, sugars, starches, fruit and vegetables, proteins, carbohydrates, vitamins and minerals, heartbeat, pulse rate, muscle, contracts, circulation, blood vessels, lungs, exercise, harmful, beneficial, etc** |
| **Classifying organisms(Autumn 2)** | **micro-organisms, plants, animal, classification, classify animals, invertebrates, insects, spiders, snails, worms, vertebrates, fish, amphibians, reptiles, birds, mammals, Carl Linnaeus, etc** |
| **Life Cycles(Spring 1)** | **reproduce, reproduction, stamen, stigma, sepal, petal, ovary, pollen, style, geminate, germination, fertilise, fertilisation, pollinate, pollination, disperse, dispersal, life cycle, childhood, adolescence, adulthood, etc** |
| **Forces(Y5)** | **Fall, Earth, gravity, weight, mass, air resistance, water resistance, friction, moving surfaces, mechanisms, levers, pulleys, gears, force, transfers, etc.** |
| **Light(Y5)** | **Light, light source, darkness, reflect, reflective, shadow, block, absorb, direction, transparent, opaque, translucent, etc.** |
| **Electricity** | **Electricity, appliance, device, electrical circuit, complete circuit, circuit diagram, circuit symbol, components, cell, battery, positive, negative, terminal, connection, short circuit, wire, crocodile clip, bulb, bright/dim, switch, buzzer, volume, motor, conductor, insulator, voltage, current, resistance, etc.** |
| **Earth and Space** | **Earth, planets, sun, solar system, moon, celestial body, spherical, rotation, spin, night and day, names of planets, dwarf planet, orbit, geocentric model, heliocentric model, shadow clocks, sundials, astronomical clocks, etc.** |