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| Science | **Sequential & Progressive Vocabulary** | | | | | |
| Y1&2  Cycle B | **Autumn**  **Movers & Shakers** | | **Spring**  **Coastline** | | **Summer**  **Magnificent Monarchs** | |
| + Unit | Human Survival | Habitats | Uses of Materials | Plant Survival | Animal Survival | |
| Significant people, investigations etc | Joe Wicks  Frank Lampard  Mylene Klass  Schools Food Trust | Born Free Foundation | Gini Ekstein, Waitrose |  | World Wide Fund for Nature | |
| Y1  Tier 2 | describe, observe | ask, describe, explore, observe, record, measure | observe, predict, test | observe, predict, record | describe, identify, record, predict, test, question, sort, | |
| Y1  Tier 3 | diet, exercise, fats, healthy, off-spring, survival | desert, dinosaur, ponds, rainforest, rivers, sea, woodland | **float, sink**  absorbent, bendy, cardboard, clay, fabric, glass, hard, man-made, material, metal, natural, object, paper, plastic, rock, rough, shape, smooth, soft, squash, stretchy, strong | air, bark, branch, bulb, flower, fruit, germinate, leaf, plant, root, season, seed, shade, soil, stem, sunlight, tree, trunk, water | amphibians, birds, fish, insects, mammals, nocturnal, reptiles, survival, tame | |
| Y2  Tier 2 | identify, classify, question, test, predict | record, observe, identify, classify, question, investigate | **sort**  investigate, measure, question, | compare, investigate, question | classify, group, follow, interpret, construct, explain, measure | |
| Y2  Tier 3 | carbohydrates, hygiene, nutrition, proteins, | indigenous, microhabitats, species | **heavy, dense**  absorbency, bend, natural resource, opaque, pollution, property, recycle, rubbish, strength, stretch, sustainability, texture, transparent, twist, waterproof, wood | basal plate, deciduous, embryo, evergreen, flower bud, germination, habitat, nutrient, scales, seed coat, survive, temperature, tunic, warmth | carnivore, herbivore, omnivore | |
| Y3&4  Cycle B | **Autumn**  **Invasion** | | **Spring**  **Misty Mountain, Winding River** | | **Summer**  **Ancient Civilisations** | |
| + Unit | Digestive System | | States of Matter | | Electrical Circuits & Conductors | |
| Significant people, investigations etc | William Beaumont | | Marie Curie | | Thomas Edison | |
| Y3  Tier 2 | describe, display, identify, predict, measure, record, results | | **describe, identify, predict,** compare, group, sort, observe, label, stir | | identify, construct, recognise, predict, report, plan, gather, record, classify, present | |
| Y3  Tier 3 | balanced diet, carbohydrates, exercise, fats, healthy, nutrients, nutrition, oxygen, protein, survival, water | | **model, water cycle, lakes, rivers, streams, cools, , rain, hail, snow, ice, temperature, litter, pollution, land development, garden pond, bird box, wildflower area**  boiling, condensation, cool, degrees Celsius, evaporation, foam, freeze, freezing, gas, heat, ice, liquid, material, melt, solid, steam, temperature | | battery, battery holder, brass, buzzer, cell, circuit, conductor, copper, crocodile clip, electrical current, electricity, insulator, mains electricity, material, motor, power station, pylon, series circuit, socket, wire | |
| Y4  Tier 2 | construct, interpret, conclude, gather, classify, question, observation | | **explain,** report, improve, measure, time, agitate, present | | investigate, analyse, conclude, explain, design, apply, develop, generate, sketch, test, model, evaluate | |
| Y4  Tier 3 | canine, dentil, enamel, food chain, incisors, intestine, molars, organ, oesophagus, pancreas, pre-molars, predators, prey, pupil, salivary gland | | **evaporation, condensation, precipitation, collection, condense, precipitation, water vapour, flooding, landslide, volcanic eruption, earthquake, drought, bushfire, invasive species, air pollution, construction, chemical fertilisers, overpopulation, deforestation, land pollution, water pollution**  boiling point, compress, condense, condensing point, evaporate, freezing point, gel, matter, melting point, particle, powder, process, property, reversible, state of matter, thermometer, viscous, water vapour | | 3-core flexible cable, appliance, cartridge fuse, coding, complete circuit, component, conductive, core, earth wire, electrical conductivity, electrical shock, filament, incandescent light bulb, lamp, light bulb, light-emitting diode (LED), live wire, micro:bit, neutral wire, non-conductive, programmable, push-to-break switch, push-to-make switch, rechargeable, reed switch, resistance, rocker switch, sensor, source, switch, three-pin plug, toggle switch, tungsten | |
| Y5&6  Cycle B | **Autumn**  **Maafa** | | **Spring**  **Frozen Kingdoms** | | **Summer**  **Britain at War** | |
| + Unit | Circulatory System | | Electrical Circuits & Components | | Evolution & Inheritance | Light Theory |
| Significant people, artwork & movements | William Harvey | | Nikola Tesla | | Charles Darwin | Albert Einstein |
| Y5  Tier 2 | plan, recognise, describe, predict, report, present, results, identify, measure, name, describe, | | **describe, reason, plan, answer, recognise, fair test, variables**  record, recognise, represent, create, compare, measure, repeat, report, present, identify, | | plan, test, report, identify, recognise, record, develop, measure, | plan, test, report, present, identify, record, measure, |
| Y5  Tier 3 | blood vessels, cardiologists, drugs, muscle | | **micro-organisms, plants, animals, similarities, differences, vertebrates, habitats, classification key, adaptations, survival, evolution,**  appliance, battery, battery holder ,buzzer, cell, circuit, coding, component, conductor, electric current, electricity, insulator, lamp, light-emitting diode (LED), mains, micro:bit, motor, sensor, series circuit, source, switch, symbol, wire | | adaptation, excavating, off-spring, predators | cornea, iris, lens, light source, light wave, pupil, retina |
| Y6  Tier 2 | control, conclude, explain, plan, test, | | **classify, research, question**  support ideas, refute ideas, repeat readings, conclusion, explanation, validate findings, justify, develop design criteria, generate, develop, model, program, creativity, monitor | | repeat readings, identify variables, control variables, justify methods, justify opinions, justify conclusions, suggest improvements | develop, apply, explain, use, choose |
| Y6  Tier 3 | atriums, capillaries, cardiovascular, pulse, ultrasound, ventricles | | **characteristics, kingdom, phylum, class, order, family, genus, species, classification system, physical trait, behavioural trait, ecological niche**  circuit diagram, crocodile clip, data logger, environmental variable, light meter, multimeter, terminal, volt, voltage, voltmeter, | | chromosomes, evolution, genes, inheritance, palaeontologist, | concave, convex, refraction |