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| **EYFS** | | | | | | |
|  | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| **EYFS** | Seasons(Autumn)  Animals(incl humans) my body | Animals including humans – Humans Food Hygiene and Exercise | Forces – Powers  Seasons(Winter) | Seasons(Spring)  Living things and their habitats - Animals | Plants | Seasons(Summer)  Materials - Potions |
| **Substantive**  **Vocabulary** | Summer, Autumn, Spring, Winter, Cool, windy, rain  Head, arm, leg, hand, foot, finger, toe, nails, eye, ear, mouth, hair | Healthy, unhealthy, heart, lungs, exercise, breath, rest | Winter, ice, rain, sleet, dark, cold, snow,  Push, pull, force, magnet, attract, repel | Spring, lighter, sunny, cloudy,  Habitat, polar, desert, ocean, rainforest, grassland, insect, forest, polar | Plant, tree, bush, flower, weed, leaf, herb, vegetable, root, soil, fruit, trunk, bark, seed, petal | Summer, heat, hot,  Change, melt, freeze, heat, solid, liquid, bubbles, fizzing, runny |

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| **KS1** | | | | | | |
| **Year 1** | Seasons (Autumn)  Uses of Materials  Plants – planting an herb garden | Uses of Materials | Sesasons(Winter  Animals including humans - Senses  Planting | Seasons (Spring)  Animals including humans  Classification | Plants | Seasons(Summer)  Plants |
| **Substantive**  **Vocabulary** | Autumn, months, leaves, hibernate, harvest  Wood, paper, plastic, fabric, glass, metal, brick, rock | Waterproof, absorbent, hard, stretchy, see-through, rough, floppy, stiff | winter months, weather  Touch, sight, smell, hear, see | Spring, rainbow, warmer, months  Mammal, reptiles, amphibians, birds, fish, carnivore, herbivore, omnivore | Plant, tree, bush, flower, weed, leaf, herb, vegetable, root, soil, fruit, trunk, bark, seed, petal deciduous, ever-green, | Summer months, weather  Plant, tree, bush, flower, weed, leaf, herb, vegetable, root, soil, fruit, trunk, bark, seed, petal deciduous, ever-green, |
| **Year 2** | Uses of Materials | Uses of Materials | Animals including humans – growth and survival | Animals including humans – growing and staying healthy | Plant Growth | Living things and their habitats |
| **Substantive**  **Vocabulary** | Properties, transparent, translucent, opaque, flexible, ridged, reflective, non-reflective, absorbent | Properties, transparent, translucent, opaque, flexible, ridged, reflective, non-reflective, absorbent | Offspring, reproduction, growth, baby, toddler, child, teenager, adult, elderly | growth, exercise, breathing, hygiene, germs, disease | Seedling, mature plant, seed, bulb, germinate, bud, flower, root, berry | Woodland, pond, seashore, ocean, rainforest, living, dead, habitat, micro-habitat, food chain |

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| **LKS2** | | | | | | |
| **Year 3** | Animals including humans - health | Rocks | Rocks | Forces and Magnets | Light | Plants |
| **Substantive**  **Vocabulary** | Nutrients, nutrition, carbohydrates, proteins, vitamins, minerals, fibre, Skelton, bones, muscles, joints | Rock, fossil, soil, sedimentary, igneous, metamorphic | Rock, fossil, soil, sedimentary, igneous, metamorphic | Rock, fossil, soil, sedimentary, igneous, metamorphic | Light, dark, light source, shadow, transparent, translucent, opaque, surface, reflect, mirror | Roots, stem, trunk, leaves, photosynthesis, pollen, pollination, seed formation, seed dispersal, germination, |
| **Year 4** | Animals including humans – teeth, eating and digestion | Working Scientifically | Electricity | States of Matter | Sound | Living things and their habitats |
| **Substantive**  **Vocabulary** | Digestive system, digestion, herbivore, carnivore, omnivore, producer, consumer, predator, prey, canine, incisor, premolar, molar | Practical, fair testing, accurate, estimate, criteria, properties, evaluate, conclusion | Cell, battery, electrical circuit, battery, electrical component, conductor, insulator, switch | Change of state, melting, freezing, melting point, boiling point, evaporation, condensation, water cycle, solid, liquid, gas, evaporation | Sound, pitch, vibrations, volume, sound insulation | Classification, classification key, environment, migrate, habitat, vertebrates, invertebrates |

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| **UKS2** | | | | | | |
| **Year 5** | Earth and Space | Forces | Living things and their habitats | Materials | Materials | Scientific Enquiry |
| **Substantive**  **Vocabulary** | Earth, sun, moon, planets, solar, system, star, rotate, orbit | Force, gravity, force meter, newton, air resistance, water resistance, friction, mechanisms, | Life-cycle, reproduction, sexual reproduction, fertilise, metamorphosis, runner, blub, cutting | Thermal insulator, thermal conductor, dissolve, solution, soluble, insoluble, sieve, filter, evaporate, reversible, irreversible, condensation, burning, rusting | Thermal insulator, thermal conductor, dissolve, solution, soluble, insoluble, sieve, filter, evaporate, reversible, irreversible, condensing, burning, rusting | independent variable, dependent variable, control variable, evidence, justify, argument (science), causal relationship, accuracy, precision, line graph, |
| **Year 6** | Evolution and Inheritance | Light and Astronomy | Exercise, Health and the Circulatory Systems | Living Thing and Their Habitats- Classification | Electricity | Scientific Enquiry |
| **Substantive**  **Vocabulary** | Evolution, offspring, inheritance, characteristics, variation, adaptation, environment, species, fossil | Light, light source, light ray, reflect, shadow | Heart, blood, blood vessels, pulse, lungs, circulatory system, diet, exercise, drugs, lifestyle | Vertebrae, invertebrate, fish, amphibian, bird, reptile, mammal, plants, micro organism | Circuit, circuit symbol, circuit diagram, cell, battery, switch, voltage, buzzer, motor, switch, wire | Variables, scatter graphs, bar graphs, line graphs, classification |

**\* Some vocabulary will be deliberately recurring ‘sticky terms’. Some will be deliberately progressive or subject specific; this list is never exhaustive just a core starting point and should be open to addition throughout the study.**