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| **Year groups** | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| **EYFS** | **Changing seasons** | **I am a scientist** | **Animal adventure** | **Changing seasons** | **Our beautiful planet** | **I am a scientist** |
| **Vocabulary** | Autumn, weather, season, winter | Push, pull, quiet, loud, float, sink | farm, minibeast, woodland, alive, non-living, sort | Spring, summer, leaves | Earth, flower, roots, stem, seed | Light, dark, melt, freeze |
| **Year 1** | **Forces, Earth and Space: Seasonal changes** | **Materials: everyday materials** | **Animals including humans : comparing animals** | **Animals including humans: Sensitive bodies** | **Plants: Introduction to plants** | **Making Connections: Investigating science through stories** |
| **Vocabulary** | Sunrise, season, sunset, evergreen tree, deciduous tree, temperature. | Glass, plastic, metal, fabric, property, transparent | Amphibian, diet, carnivore, herbivore, mammals, birds | Bitter, salty, volume, sense, distance, blind | Data, diagram, measure, garden plants, growth, edible | Measure, compare, feature, herbivore, mammal, carnivore |
| **Year 2** | **Living things and their habitat : Habitat** | **Materials: use of everyday materials** | **Animals including humans : life cycle and health** | **Living things and their habitat : Microhabitats** | **Plants : plant growth** | **Making Connections: plant-based materials** |
| **Vocabulary** | Carnivore, classify, food chain, habitat, camouflage, alive | Bend, flexible, record, elastic, block graph, material. | Life cycle, offspring, hygiene, germs, froglet, live young. | Microhabitat, classification key, botanist, invertebrate, data, conclusion. | Bulb, measure, nutrient, germinate, condition, observe, | Eco-friendly, human-made, natural, property, germinate, material |
| **Year 3** | **Energy: Light and shadows** | **Materials: Rocks and soil** | **Animals including humans : movement and nutrition** | **Forces, Earth and Space: Forces and magnets** | **Plants: plant reproductions** | **Making Connections: Does hand grip affect grip strength?** |
| **Vocabulary** | Light source, opaque, reflective (shiny), shadow, transparent, translucent | Clay soil, crystal, fossil, impermeable, acid rain, absorbency | Exoskeleton, endoskeleton, balanced diet, muscle, nutrient, protection. | Attract, repel, magnet, magnetic material, force, | Absorb, animal dispersal, germination, improve, evaluate, | Bar chart, carbohydrates, conclusion, evaluate, friction, hand span |
| **Year 4** | **Energy: Electricity and circuits** | **Materials: state of matter** | **Animals including humans : Digestion and food** | **Energy :Sound and vibrations** | **Living things and their habitat: classification and changing habitats** | **Making Connections: How does the flow of liquids compare?** |
| **Vocabulary** | Battery, bulb, cell, circuit, hazard, electrical conductor. | Condensation, drought, evaporating, flood, freezing point, gas | Canine, predator, prey, omnivore, digest, incisor, molar | Air, decibels (dB),eardrum, hertz (HZ) ear protectors, insulator of sound | Carrol diagram, vertebrate, invertebrate, deforestation, human impact, nature reserve | Bar chart, evaluate, pharmacologist, temperature, medicine, conclusion |
| **Year 5** | **Forces, Earth and space: Imbalance forces** | **Materials: Mixture and separation** | **Forces, Earth and space: Earth and Space** | **Materials: properties and changes** | **Living things and their habitat: lifecycle and reproduction & Human Timeline** | **Making Connections: Does the size of an asteroid affect its impact strength?** |
| **Vocabulary** | Air resistance, contact force, friction, gravity, lever, aerodynamics. | Control variable, crystallising, filtering, sieving, evaporation, insoluble. | Full moon, axis, elliptical, artificial satellite, celestial bodies. | Change of state, condensing, conductor, dissolve, irreversible change, insulator | Asexual reproduction, cocoon, amphibian, foetus, adolescence, gestation period | Asteroid, diameter, gravity, reliable, hardness, crater. |
| **Year 6** | **Energy: Light and reflection** | **Energy: Circuits, batteries and switches.** | **Animals including humans: Circulation and health** | **Living things and their habitat: Classifying big and small.** | **Living things and their habitat : Evolution and inheritance** | **Making Connections: Are some sunglasses safer than others?** |
| **Vocabulary** | Light ray, luminous, incoming ray, pupil, ray diagram, mirror | Ammeter, circuit diagram, current, motor, electricity, power source | Heart rate, blood vessels, bloodstream, carbon dioxide, circulatory system, nutrient | Binomial system, classification key, cold-blooded, fern, conifer, flowering plant. | Evolution, adaption, extinct, natural selection, characteristic, habitat | Electrical circuit, evaluate, classify, control variable, health, evidence |