

Seven Stars Science Progression of Vocabulary

| Unit | Nursery | Reception | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|---------------------------------|---------|--|--|---|---|---|--|---|
| Animals including Humans | | <p>Senses, eyes, sight, taste Touch, senses Hearing, sight Sound, yellow, smell, touch Taste, orange slice</p> <p>arm, legs, chest jump, move, hand, finger, feet, walk, run, eyes, nose, blink, face Colour, hair, eyebrows, ears, teeth, mouth, baby, food, grow, hair, teeth, diet, exercise, tooth, healthy, cow, milk, cream, cheese, butter, noodles, wheat, flour, China, bread, apple, orange, pear, Strawberry, pick, vegetable fruit</p> | <p>parts of the body including those within the school's RSE policy, senses, touch, see, smell, taste, hear, fingers, skin, eyes, nose, ear,</p> | <p>offspring, reproduction, growth, baby, toddler, child, teenager, adult, old person, names of animals and their babies (e.g. chick/hen, kitten/cat, caterpillar/butterfly</p> <p>growth survive, survival, water food, air, exercise, heartbeat, breathing, hygiene, germs, disease, food types (e.g. meat, fish, vegetables, bread, rice, pasta, dairy</p> | <p>skeleton, bones, muscles, joints, support, protect, move, skull, ribs, spine</p> <p>Nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water,</p> | <p>Digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, nutrients, large intestine, rectum, anus,</p> <p>incisor, canine, molar, premolars, herbivore, carnivore, omnivore, producer, predator, prey food chain</p> | <p>Puberty RSE – the vocabulary to describe sexual characteristics</p> | <p>Heart, pulse, rate, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, nutrients, water, muscles, cycle, circulatory system,</p> <p>diet, exercise, drugs, lifestyle</p> |

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|---|--|--|---|--|---|---|--|
| Living things and their Habitats | | Ladybird, spider, snail, honey, worm, fly, beetle, insect, ant, mouth (From animals inc Humans) head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves, names of animals experienced first-hand from each vertebrate group, | living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed, water, air, survive, survival, Names of Habitats from around the world names of local habitats (e.g. pond, woodland etc.), names of micro-habitats (e.g. under logs, in bushes etc.), conditions, light, dark, shady, sunny, wet, damp, dry, hot, cold, names of living things in the habitats and micro-habitats studied | | Classification, classification keys, environment, habitat, , migrate, hibernate | life cycle, reproduce, sexual, fertilises, asexual, plantlets, runners, tubers, bulbs, cuttings | vertebrates, fish, amphibians, reptiles, birds, mammals, invertebrates, warm-blooded, cold-blooded, insects, spiders, snails, worms, flowering, non-flowering, mosses, ferns, conifers |
| Plants | | Plant, seed, nutrients, soil, water, sunlight, compost, heap, weeds, garden roots Leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud Names of trees in the local area Names of garden and wild flowering plants in the local area | light, shade, Sun, warm, cool, water, space, grow, healthy, bulb, germinate, shoot, seedling | photosynthesis, pollen, insect/wind pollination, male, female, seed formation, seed dispersal (wind dispersal, animal dispersal, water dispersal), air, nutrients, minerals, soil, absorb, transport | | | |
| Materials | | Change, solid, liquid, pan, metal Sheep, fleece, shear, wool, ball, smooth, glass, polish, mirror Object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool, clay, | materials – wood, metal, plastic, glass, brick, rock, paper, cardboard Properties of materials – as for Year 1 plus opaque, transparent and | (From Rocks) rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorb water, | (From States of Matter) solid, liquid, gas, heating, cooling, state change, melting, freezing, melting point, boiling, boiling point, evaporation, | thermal electrical insulator conductor solid words to describe properties of objects | |

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|------------------------|--|---|--|--|--|---|--|---|
| | | <p>Sculpture, sand, bucket, sandcastle, shovel</p> <p>Dune, erode, ocean, cliff, beach</p> | <p>hard, soft, stretchy, stiff, bendy, floppy, waterproof, absorbent, breaks/tears, rough, smooth, shiny, dull, see-through, not see-through</p> | <p>translucent, reflective, non-reflective, flexible, rigid</p> <p>Shape, push/pushing, pull/pulling, twist/twisting, squash/squashing, bend/bending, stretch/stretching</p> | <p>fossil, bone, flesh, minerals, marble, chalk, granite, sandstone, slate, soil, types of soil (e.g. peaty, sandy, chalk, clay)</p> | <p>condensation, temperature, water cycle</p> | <p>change of state, mixture, dissolve, solution, soluble, insoluble, filter, sieve, reversible/non-reversible change, burning, rusting, new material</p> | |
| Electricity | | <p>Energy</p> <p>Rule</p> <p>Danger</p> <p>Safe</p> <p>Electricity</p> | | | | <p>Electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative, connect/connections, loose connection, short circuit, crocodile clip, bulb, switch, buzzer, motor, conductor, insulator, metal, non-metal, symbol</p> | <p>Words from year 4</p> <p>Circuit, complete circuit, circuit diagram, circuit symbol, cell, battery, bulb, buzzer, motor, switch, voltage</p> | |
| Light | | <p>Lights</p> <p>Lamps</p> <p>switches</p> | | | <p>light, light source, Sun, sunlight, dangerous shadow opaque transparent</p> | | | <p>light, light source, Sun, sunlight, dangerous straight lines, light rays</p> |
| Earth and Space | | <p>rocket</p> <p>travel</p> <p>firework</p> <p>Robert Goddard</p> <p>Launch</p> <p>Venus</p> <p>Uranus</p> <p>Jupiter</p> <p>Solar System</p> | | | | | <p>Sun, Moon, Earth, planets (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune), spherical, Solar System, rotate, star,</p> | |

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| | | planet | | | | | orbit | |
|----------------------------------|--|--|--|--|---|---|--|---|
| Forces and Magnets | | Push, pull, press, suck, swing, sink, sea, float, plastic, duck, boat, horse, riding, bus, transport, bicycle, aeroplane | | | Force, push, pull, twist, contact force, non-contact force, magnetic force, magnet, strength, bar, magnet, ring magnet, button magnet, horseshoe magnet, attract, repel, magnetic material, metal, iron, steel, poles, north pole, south pole | | Force, gravity, Earth, air resistance, water resistance, friction, mechanisms, simple machines, levers, pulleys, gears | |
| Sound | | senses hearing ears | | | | Sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, loud, insulation | | |
| Evolution and Inheritance | | museum lizard meteorite dinosaur reptile | | | | | | offspring, sexual reproduction, vary, characteristics, suited, adapted, environment, inherited, species, fossils, evolve, evolution |
| Seasons | | Spring Summer warm bird Sun Autumn Winter snow bark season | weather, sunny, rainy, raining, shower, windy, snowy, cloudy, hot, warm, cold, storm, thunder, lightning, hail, sleet, snow, icy, frost, puddles, rainbow, seasons, winter, summer, spring, autumn, Sun, sunrise, sunset, day length | | | | | |

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|--------------------|--|----------------------------------|--|--|--|---|--|--|
| Environment | | Dune, erode, ocean, cliff, beach | | | | environment, habitat, human impact, positive, negative, | | Weather, Global warming, Recycle, Biodegrade, Net zero, Greenhouse gases, Industrial revolution, Combustion, COP, Conference, Species, Habitat |
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