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| Bedford Drive Primary School |
| **Science Vocabulary Progression** |
| **EYFS** | In Science, we look at the world around us. Scientists try to find out how and why things happen.Scientists learn about their subject by observing (looking at things) and experimenting (testing things).Key Vocabulary: ScientistExperimentEarthNatural/Man-MadeSeasonAnimalPlantEnvironmentHealthyTexture |
| **Year Group** | Working Scientifically | Topics |
| **Year 1** | **Working Scientifically**Question, find out, observe, describe, test, compareMeasure, length, height, mass/weight, time, temperatureRecord, results, table, chart, pictograph, block graph, bar chart | **Plants**Leaves, flowers, blossom, petals, fruit, roots, bulb, seed, trunk, branches, stemNames of plants in their local environment for example Grass, Clover, Daisy, Buttercup, Dandelion, Oak, Holly, Daffodil, Tulip etc. and plants they grow to eat such as lettuce, tomatoes, cucumber, radish, herb etc. | **Animals including humans** Fish, amphibian, reptile, bird, mammalCommon names of Fish, amphibians, reptiles, birds, mammals including pets and those found in the local environmentCommon structure of animals including humans including : Head, face, ears, hair, eyes, nose, mouth, teeth, cheek, chin, neck ,body, arms, hands, fingers, paws, fins, wings, legs, feet, toes, tail, skin, scales, fur, feathersHerbivore, carnivore, omnivoreSee, look, hear, listen, touch, feel, taste, smell | **Everyday materials**Wood, plastic, glass, metal, water, rock, brick, paper, card, rubber, fur, fleece, cotton, wool, polyester, cotton wool.Names of common objects made from these materials e.g. door, building block, window, pencil sharpener, teddy etcSoft, hard, rough, smooth, stretchy, stiff, shiny, dull, rough, smooth, flexible, waterproof, absorbent, opaque, transparent, translucent | **Seasonal Changes**Spring, summer, autumn, winterDay, night, light, dark, sunrise, sunsetSun, rain, snow, hail, precipitation, wind, cloud, cloud coverDeciduous, evergreen tree |  |
| **Year 2** | **Working Scientifically**Question, find out, observe, describe, test, compareMeasure, length, height, mass/weight, time, temperatureRecord, results, table, chart, pictograph, block graph, bar chart | **Plants**Seeds, bulbs, grow, healthy, water, light, temperature, soil, nutrientsLeaves, flowers, blossom, petals, fruit, roots, trunk, branches, stemNames of plants in their local environment for example grass, Clover, Daisy, Buttercup, Dandelion, Oak, Holly, Daffodil, Tulip etc. and plants they grow to eat such as lettuce, tomatoes, cucumber, radish, herb etc. | **Animals including humans** Reproduce, offspring, grow, adults (Fish, amphibian, reptile, bird, mammal, humans)Survival, water, food, air, shelterExercise, fit, healthy, food, fruit, vegetables, meat, fish, eggs, nuts, pulses, beans, milk, cheese, bread, pasta, rice, butter, vegetable oil, olive oilCommon names of Fish, amphibians, reptiles, birds, mammals including pets and those found in the local environmentCommon structure of animals including humans including : Head, face, ears, hair, eyes, nose, mouth, teeth, cheek, chin, neck ,body, arms, hands, fingers, paws, fins, wings, legs, feet, toes, tail, skin, scales, fur, feathersHerbivore, carnivore, omnivore | **Uses of Everyday materials**Wood, plastic, glass, metal, water, rock, brick, paper, card, rubber, fur, fleece, cotton, wool, polyester, cotton wool.Words to describe why certain materials are suitable for particular uses e.g. soft, hard, rough, smooth, stretchy, stiff, shiny, dull, rough, smooth, flexible, waterproof, absorbent, opaque, transparent, translucentSquash, bend, twist, stretch | **Living things in their habitats**Living, dead, non-livingHabitat, micro habitat, food chainField, Hedgerow, pond, woodland, seashore, ocean, rainforest, arctic, desert,Air, food, water, shelter, heat, warmth, sun |  |
| **Year 3** | **Working Scientifically**Question, find out, observe, describe, test, compare, explain, accurate, predictMeasure, length, height, mass/weight, time, temperature, tape measure, thermometer, data loggerRecord, results, table, chart, pictograph, block graph, bar chart | **Plants**Leaves, flowers, blossom, petals, fruit, roots, bulb, seed, trunk, branches, stem, stigma, style, antherAir, light, water, nutrients, soil, transport, seed, seedling, bulb, compost, decay, die, fruit, moisture, ovary ovulePollen, pollination, seed formation, dispersal, reproduce | **Animals including humans** Humans, food, feeding, balanced, diet ,meat, fish, eggs, nuts, pulses, beans, cereal, fruit, vegetables, dairy products milk , cheese, butter, potatoes , bread, rice, pasta, vitamins, minerals Fish, amphibian, reptile, bird, mammalSkeleton, skull, ribs, spine (backbone), joints, support, muscles,  | **Rocks**Rocks, granite, limestone, sandstone, fossil, soil, sandy, peat, decay, compostSoft, hard, rough, smooth, stiff, shiny, dull, rough, waterproof, absorbent, opaque, transparent, translucent, texture | **Light**See, eyes, light, dark, absenceLight sources, Sun, dangerous, lamp, flame, torch, light bulb,  Day, night, light, dark, dim, sunrise, sunset, dusk Reflect, reflection, reflected, shadows, size, shape, pattern | **Forces and magnets**Force, contact, non-contactMove, surface, material, carpet, tiles, wood, lino, bubble wrap, sandpaper, fleece, polythene, towelMagnet, magnetic, magnetic field, bar, horseshoe, ring, strength, strong, weak, metal, coated, Attract, repel, poles, north, south |
| **Year 4** | **Working Scientifically**Question, find out, observe, describe, test, compare, explain, accurate, predictMeasure, length, height, mass/weight, time, temperature, tape measure, thermometer, data loggerRecord, results, table, chart, pictograph, block graph, bar chart, line graph. | **Living things in their habitats**Classify, classification, animal, vertebrates, fish, amphibians, reptiles, birds, mammals, invertebrates, snails, slugs, worms, spiders, insects, flowering plants, non-flowering plants, ferns, mosses, fungi.Environment, habitat, micro habitat, adaption, human impact, ecological, ecosystem, nature reserves, parks, ponds, pollution, litter, deforestation, field, hedgerow, pond, woodland, seashore, ocean, rainforest, arctic, desert, nest, burrow, air, food, water, shelter, heat, warmth, sun, camouflage.  | **Animals including humans** Digestion, mouth, teeth, tongue, saliva, oesophagus, stomach, gastric juices, enzyme, small intestine, bile, pancreatic juice, large intestine, rectum. Incisors, cut, slice, canines, grip, pierce, premolars, molars, crush, grind, dental, dentist, disclosing tablets. Food chain, producers, predators, prey, herbivore, carnivore, omnivore. | **States of matter**Solids, liquids, gasesChange state melt, freeze, heated, cooled, temperature, Celsius, chocolate, butter, ice, water, steam, water vapour, Water cycle, evaporation, condensation, rate, precipitation, rain, rain fall, snow, sleet. | **Electricity**Electrical appliances, mains, battery, television, computer, tablet, mobile phone, light, lamp, cooker, microwave, toaster, radio.Component, bulb, buzzer, battery, cell, wire, motor, switch, open, closes, circuit, series, complete loop, bright, brightness, currentElectrical insulator, plastic, fabric, electrical conductor, metals, water | **Sound**Sound, sources, vibrating, medium, ear, eardrum, instruments, pitch, high, low, volume, loudness, loud, soft, quiet, insulation, sound proof, distance, fainter. |
| **Year 5** | **Working Scientifically**Question, find out, observe, describe, test, compare, explain, accurate, predictMeasure, length, height, mass/weight, time, temperature, tape measure, thermometer, data loggerRecord, results, table, chart, pictograph, block graph, bar chart, line graph, reliable, variables, valid, explain | **Living things in their habitats**Life cycle, reproduction, asexual, sexual, animal, vertebrates, amphibians, reptiles, birds, mammals, invertebrates, insect , babies, young, grow, adult, egg, caterpillar, larva, chrysalis, pupa, head, abdomen, thorax, wings, fur, feathers, scales, plants, seeds, stem, root cuttings, tubers, bulbs, pollen, Leaves, flowers, blossom, petals, fruit, roots, bulb, seed, trunk, branches, stem, stigma, style, anther, ovary, ovule, seed formation, seed dispersal | **Animals including humans** Humans, gestation, baby, child, teenager, adult, geriatric, puberty, hormones, muscles, testicles, pubic hair, voice , acne, breasts, hips, period, ovulation  | **Properties and changes of materials**Soft, hard, rough, smooth, stiff, shiny, dull, rough, waterproof, absorbent, opaque, transparent, translucent, texture, conduct, insulate, electrical, thermal, magnetic.Solids, liquids, gases, dissolve, solution, substance, separated, filtering, sieving, evaporating, reversible, irreversible state, burning, oxygen, acid, bicarbonate of soda, carbon di oxideChange state melt, melting, freeze, heated, cooled, temperature, Celsius, chocolate, butter, ice, water, steam, water vapour, water cycle, evaporation, condensation, rate, precipitation, rain, rain fall, snow, sleet.. | **Earth and space**Day, night, light, dark, dim, sunrise, sunset, dusk, Earth, moon, moons, reflect, sun, star, spherical, rotation, Earth’s axis, solar system, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune ( Pluto as a dwarf planet), shadow clock, sundials, astronomical clock | **Forces and magnets**Force, contact, non-contact, gravity, falling, friction, air resistance, water resistance, newton, force metre, drag, levers, pulleys, gears. Move, surface, material, carpet, tiles, wood, lino, bubble wrap, sandpaper, fleece, polythene, towel |
| **Year 6** | **Working Scientifically**Question, find out, observe, describe, test, compare, explain, accurate, predictMeasure, length, height, mass/weight, time, temperature, tape measure, thermometer, data loggerRecord, results, table, chart, pictograph, block graph, bar chart, line graph, reliable, variables, valid, explain | **Living things in their habitats**vertebrates, amphibians, reptiles, birds, mammals, invertebrates, insects, spiders, snails, worms, head, abdomen, thorax, wings, fur, feathers, scales, plants, micro-organisms, kingdom, species | **Animals including humans** Blood, heart, heart rate, circulation, oxygen, lungs, veins, arteries, cells, pulse rate, healthy diet, exercise, drugs, nutrients, water | **Evolution and inheritance**Fossils**,** evolution, evolve, inherit, inheritance, offspring, vary, variation, species, adapted, environment, climate, habitat, suited | **Electricity** Component, bulb, buzzer, battery, cell, wire, motor, switch, open, closes, circuit, series, complete loop, bright, brightness, current, volume, volts, voltage, symbols, circuit diagram | **Light** See, eyes, light, straight lines, reflect, reflected, reflection, light sources, shadows, size, shape, pattern, mirrors, (possibly extend to include rainbows, colour, colour filters, water, refraction) |