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| **The Acorn Federation - Progression of Science Vocabulary**  Within our mixed age classes, units of work are taught to mixed year groups, e.g. EYFS, Year 1 and 2; Year 3 and 4 and Year 5 and 6. Children may therefore be introduced to year-specific vocabulary from a different year group within the key stage. | | | | | | | | | | | | | | |
|  | | | | **EYFS** | **Year 1** | | | **Year 2** | **Year 3** | | | **Year 4** | **Year 5** | **Year 6** |
| **Biology** | | **Plants** | | Tree, flower, stem, petal, fruit, seeds | | Deciduous, evergreen, tree, leaves Flowers (blossom), Petals, Fruit, Roots, Bulb, Seed, Trunk, Branches, Stem, Oak, Holly, Willow, Birch, Chestnut, Conker, Daisy, Buttercup, Rose, Daffodil, fruit | Seeds, Bulbs, Water, Light, Suitable temperature, Grow, Healthy, Germinate, Decompose | | | Air, Light, Water, Nutrients, Soil, Reproduction, Transportation, Dispersal, Pollination, Flower, |  | |  |  |
| **Animals, including Humans** | | Fish, reptiles, pets, birds, senses, tongue, taste, nose, smell, ears, hearing, eyes, see, skin, touch | | Fish, Reptiles, Mammals, Birds, Amphibians (+ examples of each) Herbivore, Omnivore, Carnivore, Leg, Arm, Elbow, Head, Ear, Nose, Back, Wings, Beak.  Senses, hear, vision, taste, touch, smell | Survival, Water, Air, Food types ( fruit, vegetables, bread, rice, milk, dairy, food high in sugar/fat Adult, Baby, Offspring, Kitten, Calf, Puppy, Exercise, Hygiene | | | Movement, Muscles, Bones, Skull, Nutrition, food types, carbohydrates, protein, vitamins & minerals. Skeletons  Vertebrate, invertebrate | Digestive system, Mouth, Tongue, Teeth, Oesophagus, Stomach, digestive Small Intestine, Large Intestine, Herbivore, Carnivore, Canine, Incisor, Molar | | Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, Elderly, Growth, Development, Puberty; Circulatory, Heart, Blood Vessels, Veins, Arteries, Oxygenated, Deoxygenated, Valve, Exercise, Respiration |  |
| **Living Things and Their Habitats** | |  | |  | Living, Dead, never been alive, Habitat, Energy, Food chain, shelter, Predator, Prey, Woodland, Pond, Desert  Depend, | | |  | Classification,  Vertebrates, Fish, Amphibians, Reptiles, Birds, Mammals, Invertebrates, Snails, Slugs, Worms, Spiders, Insects, Environment, Habitats | | Habitats Mammal, Reproduction, Insect, Amphibian, Bird, Offspring; Classification, Vertebrates, Invertebrates, Microorganisms, Amphibians, Reptiles, Mammals, Insects | Organism. Micro-organism, fungus, classification, arachnid, mollusc, insect, crustacean |
| **Evolution and Inheritance** | |  | |  |  | | |  |  | |  | Fossils, Adaptation, Evolution, Characteristics, Reproduction, Genetics |
| **Chemistry** | **Materials** | | | Soft/hard  Shiny/dull  Squash squeeze  stretch  material wood glass, paper | | Everyday Materials Wood, Plastic, Glass, Paper, Water, Metal, Rock, Hard, Soft, Bendy, Rough, Smooth | Materials Hard, Soft, Stretchy, Stiff, Shiny, Dull, Rough, Smooth, Bendy, Waterproof, Absorbent, Opaque, Transparent Brick, Paper, Fabrics, Squashing, | | |  | States of Matter Solid, Liquid, Gas, Evaporation, Condensation, water cycle, Particles, Temperature, Freezing, | | Properties, including changes of, materials Hardness, Solubility, Transparent, Opaque, Translucent, Magnetic, Filter, |  |
| **Rocks** | | |  | |  |  | | | Fossils, Soils, chalky,  Sandstone, Granite,  Marble, Pumice,  Crystals, sedimentary,  metamorphic, igneous,  absorbent/porous  durable, permeable,  impermeable |  | |  |  |
| **Physics** | | | **Seasonal and climate change** | Day and Night  Sun and Moon | | Summer, Spring,  Autumn, Winter, Sun,  Day, Moon, Night,  Light, Dark, weather  e.g. sleet, frost, thunder |  | | |  |  | |  |  |
| **Light** |  | |  |  | | | Light, source, see, visible, travel, reflection, angle, incidence, periscope, mirror smooth, shiny reverse, translucent, shadow, filter, absorb, observe, pattern, cast, shadows, mirror,  reflective, dark |  | |  | Refraction, Image, illuminate, straight line, waves, ray, beam, photon, energy, vacuum, scatter, bend, lens, transparent, UV light, UV rating, spectrum, pupil, retina, wavelength, rainbow, opaque, |
| **Forces and Magnets** |  | |  |  | | | Magnetic, Force,  Contact, Attract, Repel,  Friction, Poles, Push,  Pull |  | | Forces, Air resistance,  Water resistance,  Friction, Gravity,  Newton, Gears,  Pulleys, lever, force,  pivot (fulcrum) |  |
| **Sound** | Loud and quiet  sounds | |  |  | | |  | Volume, Vibration,  Wave, Pitch, Tone, travel,  Speaker, ear, stirrup, anvil, hammer, damage | |  |  |
| **Electricity** |  | |  |  | | |  | Appliance, device,  Cells, Wires, Bulbs,  Switches, Buzzers,  Battery, Circuit, Series,  Conductors, Insulators,  components,  positive/negative  crocodile clip, bright/ dim | |  | As LKS2 plus  Voltage, current,  Resistance, solar power, wind power, generate, turbines, fossil fuels, vary circuits, symbols |
| **Earth and Space** |  | |  |  | | |  |  | | Earth, Sun, Moon,  Axis, Rotation, Day,  Night, Phases of the  Moon, star,  constellation, waxing, waning, full, new,  year, month,  geocentric model,  heliocentric model,  shadow clocks,  sundials, astronomical  clocks |  |
|  | | | | **EYFS** | **Year 1** | | | **Year 2** | **Year 3** | | | **Year 4** | **Year 5** | **Year 6** |
| **Working Scientifically Vocabulary** | | | | What? How? Sort and group. | What? How? Why? Similar, different, compare, sort and group. | | | Observe, change, slowly/quickly, describe, name identify, label, record measure, bigger and smaller, pattern, notice, cycle, predict. | What if…? Identify observe,  Recognise, investigation,  record units,  table, fair test, plan, evidence, research,  observations, prediction, tally. | | | Similarities and differences,  source,  scientists, discovery,  process, cycle,  measurements, conclude,  evaluate, rank, vary, keep the same,  bar graph, table, key. | Classify, interpret,  pattern, relationship,  prediction,  interpret, conclude,  evaluate, variable,  constants, control repeat,  relationship, line  graph, plot | Hypothesis, variable,  constants, evaluate, conclude,  interpret, classify,  categorise, database, analyse,  enquiry, control  repeat, support refute, hypothesis,  reliable, scatter  graph. |