



Science Age-Appropriate Vocabulary

	Y1 Topic	Vocabulary – HEP Science
	Y1 The Park Explorers	Plant, wild, garden, look, feel, smell, root, stem, leaf, flower, tree, trunk, branch, evergreen, leaves, petals, blossom, seed, sprout, bud, grow, light, soil, air, fruit
	Y1 My Body and My Senses	Arms, elbows, feet, knee, legs, mouth, neck, teeth, hearing, sight, smell, taste, touch, close, eyes, far, magnify, see, ears, hear, loud, quiet, sound, salty, sour, sweet, tongue, rough, skin, smooth, soft
	Y1 Everyday Materials	Fabric, glass, material, metal, object, plastic, rock, wood, bendy, firm, hard, press, shape, soft, squash, stiff, bumpy, feel, grip, rough, scratch, slippery, smooth, touch, absorbent, drip, dry, soak, waterproof, wet, bright, dull, light, shine, shiny, sparkle, choice, see-through
	Y1 Animal Groups	Mammal, fur, milk, babies, birth, lungs, breathe, bird, feathers, wings, beak, eggs, fly, walk, swim, reptile, scales, land, cold-blooded, sun, warm, amphibian, moist, jelly, gills, lungs, tadpole, frog, change, fish, fins, water, skin, nests, habitat
	Y1 Animal Diets	Food, meat, plants, products, supermarket, grow, herbivore, grind, crush, teeth, leaves, carnivore, hunt, sharp, catch, prey, omnivore, both, choice, snout, seeds, peck, ocean, seaweed, coral, gills, fins, underwater, unusual, special, different, surprising, strange, shrimp
	Y1 Seasonal Changes	Seasons, spring, summer, autumn, winter, months, blossom, buds, warmer, rainy, babies, temperature, sunshine, daylight, shadow, thermometer, leaves, windy, cloudy, crunchy, weather, frost, hibernate, ice, bare, den, pattern, change, favourite,

	Y2 Topic	Vocabulary
	Y2 Plants – Zhi grows a plans	Seed, Bulb, Growth, Sprout, Germinate, Root, Shoot, Leaves, Layers, Healthy, Test, Need, Compare, Soil, Light, Water, Temperature, Flower, Fruit, Seeds
	Y2 Uses of Everyday Materials	Material, Property, Hard, Soft, Bend, Stretch, Strong, Flexible
	Y2 Animal Needs	Baby, Adult, Life cycle, Food, Water, Air, Exercise, Hygiene
	Y2 Local Habitats	Habitat, Environment, Food chain, Animal, Plant, Predator, Prey
	Y2 Habitats and Microhabitats	Microhabitat, Adaptation, Environment, Conditions, Biodiversity
	Y2 Food Chains and Health	Food chain, Producer, Consumer, Predator, Health, Diet

	Y3 Topic	Vocabulary
Year 3	Y3 Plants	Photosynthesis, pollen, insect/wind pollination, seed formation, seed dispersal – wind dispersal, animal dispersal, water dispersal
	Y3 Animals, including humans	Nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, support, protect, move, skull, ribs, spine, muscles, joints
	Y3 Rocks	Rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorb water, soil, fossil, marble, chalk, granite, sandstone, slate, soil, peat, sandy/chalk/clay soil
	Y3 Light	Light, light source, dark, absence of light, transparent, translucent, opaque, shiny, matt, surface, shadow, reflect, mirror, sunlight, dangerous
	Y3 Forces and Magnets	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

	Y4 Topic	Vocabulary
Year 4	Y4 Living things and their habitats	Classification, classification keys, environment, habitat, human impact, positive, negative, migrate, hibernate
	Y4 Animals, including humans	Digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, nutrients, large intestine, rectum, anus, teeth, incisor, canine, molar, premolars, herbivore, carnivore, omnivore, producer, predator, prey, food chain
	Y4 States of matter	Solid, liquid, gas, state change, melting, freezing, melting point, boiling point, evaporation, temperature, water cycle
	Y4 Sound	Sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, loud, insulation
	Y4 Electricity	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 N.B. Children in year 4 do not need to use standard symbols as this is taught in Year 6

	Y5 Topic	Vocabulary
Year 5	Y5 Living things and their habitats	Life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis, asexual, plantlets, runners, bulbs, cuttings
	Y5 Animals, including humans	Milestones, acne, adolescence, adolescent, antiperspirant, puberty, scrotum, testes, wet dreams, fetus, mature, menstrual cycle, mood swing, peer pressure, period, vaginal discharge, womb, amniotic fluid, ultrasound, umbilical cord, gestation period, Alzheimer's, dementia, elastic
	Y5 Properties and changes of material	Thermal/electrical insulator/conductor, change of state, mixture, dissolve, solution, soluble, insoluble, filter, sieve reversible/non-reversible change, burning, rusting, new material
	Y5 Earth and Space	Earth, Sun, Moon, (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune) spherical, solar system, rotates, star, orbit, planets
	Y5 Forces	Force, gravity, Earth, air resistance, water resistance, friction, mechanisms, simple machines, levers, pulleys, gears

	Y6 Topic	Vocabulary
Year 6	Y6 Living things and their habitats	Vertebrates, fish, amphibians, reptiles, birds, mammals, invertebrates, insects, spiders, snails, worms, flowering and non-flowering
	Y6 Animals, including humans	Heart, pulse, rate, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, nutrients, water, muscles, cycle, circulatory system, diet, exercise, drugs and lifestyle
	Y6 Evolution and inheritance	Offspring, sexual reproduction, vary, characteristics, suited, adapted, environment, inherited, species, fossils
	Y6 Light	As for year 3 plus straight lines, light rays.
	Y6 Electricity	<p>Circuit, complete circuit, circuit diagram, circuit symbol, cell, battery, bulb, buzzer, motor, switch, voltage</p> <p>NB. Children do not need to understand what voltage is but will use volts and voltage to describe different batteries. The words cells and batteries are now used interchangeably</p>