

South Wingfield Primary School Vocabulary Progression Document

Working scientifically

Year-group(s)	Vocabulary/Statement(s)
Nursery & Reception	look closely, observe, watch, touch, feel, smell, listen, same, different, compare, ask questions, record, sort, group
Years 1 & 2	observe, changes, patterns, grouping, sorting, compare, same, different, identify (name), measure, data, record results, drawing, picture, table, tally chart, present, pictogram, block chart, Venn diagram, ask questions, test, investigate, explore, equipment, resources, magnifying glass, hand lens, ruler, tape measure, metre stick, pipette, syringe, spoon, teaspoon, answer questions, interpret results, scientific enquiry, pattern seeking, comparative testing, observing over time, classifying, researching using secondary sources
Years 3 & 4	practical work, fair testing, relationships, accurate, thermometer, data logger, stopwatch, timer, estimate, data, diagram, identification key, chart, bar chart, prediction, similarity, difference, evidence, information, findings, criteria, values, properties, characteristics, conclusion, explanation, reason, evaluate, improve
Years 5 & 6	variables, independent variable, dependent variable, control variable, evidence, justify, argument (science), causal relationship, accuracy, precision, scatter graphs, bar graphs, line graphs, force meter

Year 1 Vocabulary Progression Document

Highlighted vocabulary is key vocabulary that are focuses for our LA/SEND learners.

The Human Body	Human , Eye, hair, face, ear, teeth, mouth, sight, sound, feel, touch, nose, scent, arm, leg, knee, foot, sweet, salty, sour, bitter, savoury
Seasonal Changes Autumn	Autumn , daylight, night, weather, season, rainfall, rain gauge
Materials	Material, heavy, light , soft, hard, shiny, dull, rock, heavy, rough, smooth, object, plastic, liquid, solid, melt, freeze, ice, float, sink, absorb
Seasonal Changes Winter	Winter, weather , daylight, night, rainy, snowy, frosty
Planting A	Plant , seed
Animals	Mammals, fur, bird , beak, feathers, webbed feet, fish, fin, scales, amphibian, reptiles, pet, carnivores, herbivores, omnivores
Caring for the planet	Earth , plant, harmful
Seasonal changes Spring	Spring , daylight, night, season, wind, sleet
Planting B	Flower, leaf , stem, roots
Plants	Stem, Roots, petals , flower, leaf, tree, branch, fruit, wildflower, trunk, garden plant, sunflower, nettle, garden plant, deciduous trees, evergreen trees
Planting C	Growth , measure
Growing and cooking	Fruit, vegetable , farmer, crops

Year 2 Vocabulary Progression Document

Highlighted vocabulary is key vocabulary that are focuses for our LA/SEND learners.

Animals' needs for survival	Carnivore, herbivore, omnivore , mammals, birds, fish, amphibians, reptiles, humans, insect, adult, baby, shelter
Humans	Diet, germs, hygiene, Exercise, physical health, mental health, meat, teeth, plaque
Materials	Natural material, human-made material, recycle, rigid, brittle, flexible, transparent, opaque, tough, lightweight, bend, squash, twist, stretch, waterproof
Plastic	Recycle, Plastic, single use plastic
Plants light and dark	Fruit, vegetable, herb, flower, blossom, sunlight, independent variable, dependent variable, controlled variable, dead
Living things and their habitats	Habitats, microhabitat, food chain, local area, polar, carnivore, herbivore, hibernate, desert, cactus, ocean, woodland, insect, diet, omnivore
Plants bulbs and seeds	Bulb, temperature, seed, shoot, roots, sunlight, growth, measurement, observe
Growing up	Life cycle, egg, caterpillar, pupa, butterfly
Wildlife	Wildlife, food chain, habitat, crops

Year 3 Vocabulary Progression Document

Highlighted vocabulary is key vocabulary that are focuses for our LA/SEND learners.

Skeletons	Skeleton, Reptile , Mammal, skull, Ribcage, spine, pelvis, femur, fish, bird, amphibian, exoskeleton
Movement	Joint, muscle , hinge joint, ball and socket joint, joint,
Nutrition and diet	Balanced diet, nutrition, vegetarian , carbohydrates, proteins, dairy products, fats, sugars, fruits and vegetables, balanced diet, nutrition, vegan, vegetarian, pescatarian, omnivorous, carnivore, herbivore, omnivore
Food waste	Food waste , landfill, recycling, edible, inedible
Rocks	Layers, texture , granite, pumice, sandstone, chalk, marble, gneiss, crystals,
Fossils	Fossil , rock, shell, fossilisation, sediment
Soils	Habitat, deforestation , soil, sandy, clay, peat, chalky, organic matter, nutrients, absorb
Light	Distance, Reflection , light, Light sources, natural, artificial, protect, opaque, translucent, transparent, shadow,
Plants A	Growth, germination , leaf, root, flower, plant, dissection, scales, soil, seed, water transportation, seed coating, petals, flower, stamen, reproductive organs, pollination, wind dispersal, animal dispersal, water dispersal, life cycle
Forces	Friction, force , push, pull, Contact force, smooth, rough, data, prediction
Magnets	Magnet, repel, attract , poles, iron, magnetic force, metal, non-metal, iron, steel, aluminium
Plants B	Measure , data
Biodiversity	Biodiversity, endangered , extinct, rewilding, habitat

Year 4 Vocabulary Progression Document

Highlighted vocabulary is key vocabulary that are focuses for our LA/SEND learners.

Group and classify living things	vertebrate, invertebrate , mammal, bird, fish, amphibian, reptile, exoskeleton, flowering plant, non-flowering plant, stamen, pistil, pollination
Data Collection A&B&C	Predict , data, conclusion, analyse
States of matter	Solids, liquids, gas , volume, freezing, boiling, condensation, evaporation, thermometer, stopwatch, temperature, melting, the water cycle, precipitation
Sound	Vibrations, volume, pitch , cochlea, ear canal, ear drum, decibel, insulate, decibel meter
Electricity	Common appliances , plug, socket, cell, electrocuted, circuit, switch, buzzer, conductor, insulator
Energy	Renewable energy, non-renewable energy , mains electricity, battery-powered, Earth
Habitats	Habitat, rural, urban , biodiversity, classification key, vertebrate, invertebrate, flowering plant, non-flowering plant, deforestation, nature reserve
Deforestation	Deforestation, endangered, extinct natural resource, habitat destruction, biodiversity, palm oil,
The Digestive System	Digestive system, intestines , carnivore, herbivore, omnivore, incisors, canines, premolars, molars, germs, enamel, root, plaque, decay, saliva
Food Chains	Producer, predator , food chain, prey, consumer, energy, overfishing

Year 5 Vocabulary Progression Document

Highlighted vocabulary is key vocabulary that are focuses for our LA/SEND learners.

Forces	Friction, Air resistance, streamline, gravity, Contact Force, Motion, , drag, independent variable, dependent variable, surface area, weight, mechanism, cog, pulley
Space	Axis, planets, orbit, sun, rotate, Solar System, Celestial body, heliocentric model, geocentric model, gravitational force, satellite
Global Warming	Global Warming, Greenhouse gases, fossil fuels, climate change, carbon footprint
Properties of materials	Electrical conductor, electrical insulator, transparent, translucent, independent variable, dependent variable, controlled variable, temperature, thermal insulator, conclusion, anomalous result, properties, lifespan
Animals including humans	Adolescent, foetus, life cycle, gestation, puberty, milestone, womb, period, hormone, elderly, life expectancy, offspring, correlation, anomaly
Life Cycles	Mammary gland, monotreme, offspring, mammal, life cycle, amphibian, frogspawn, tadpole, froglet, metamorphosis, pupa, chrysalis, insect,
Reproduction A&B	Sperm cells, egg cells, sexual reproduction, pollination, ovule, style, ovary, ovule, clone, runner, tuber, bulb, asexual reproduction, clone
Reversible and irreversible changes	soluble, insoluble, chemical reaction, evaporation, solution, substance, separate, sieve, mixture, solution, states of matter, reverse, burning, acid, dissolve
Plastic pollution	Pollution, plastic, habitat, landfill, pollution, micro plastics,

Year 6 Vocabulary Progression Document

Highlighted vocabulary is key vocabulary that are focuses for our LA/SEND learners.

Living things and their habitats	Excretion, microorganism, virus, fungi, Organism, reproduction, vertebrate, invertebrate, flowering plant, non-flowering plant, classification key, mollusc, arachnid, deciduous tree, evergreen tree, coniferous tree, bacteria, Carl Linnaeus
Electricity	Voltage, complete circuit, incomplete circuit, Series circuit, current, independent variable, dependent variable, controlled variable, repeatability, accuracy, evaluate
Renewable energy	Solar power, wind power, renewable, non-renewable, wind turbine, global warming, greenhouse gases
Light	Refraction, iris, pupil, lens, retina, reflection, ray diagram, angle, periscope, shadow, opaque, translucent, transparent, solar eclipse, prism, coloured filter, spectrum of light
Light pollution	Glare, light trespass, sky glow, light pollution, urban, rural, light emission, appliance, migration,
The circulatory system	Blood vessels, atria, ventricles, oxygenated blood, Circulatory system, heart, veins, capillaries, arteries, red blood cells, white blood cells, lungs, nutrients, plasma, oxygen, deoxygenated blood, dissection
Diet, drugs and lifestyle	Drug, cigarette, balanced diet, calories, addiction, carbon monoxide, painkiller, stimulant, depressant, vape, unsaturated fats, trans fat, tar, nicotine
Adaptations	Evolution, species, common ancestor, natural selection, characteristics, adaptations, polar, desert, habitat, Charles Darwin, theory
Fossils	Fossil, decompose, evolution, rock, skeleton, Charles Darwin, palaeontologist, Mary Anning