

# FLORENCE MELLY COMMUNITY PRIMARY SCHOOL

## SCIENCE VOCABULARY PROGRESSION MAP

IF YOU CAN DREAM IT, YOU CAN DO IT!

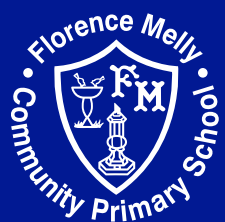


### Science Vocabulary Progression Map - Year 1

	Topic	Seasons and Weather Day and night	Plants, including trees	Animals, including humans	Everyday materials	Revisit: Animals, including humans	Plants	Revisit: Plants, Animals including humans
Year 1	Words children should already know	sun, rain, snow, cloud, day, night	plant, tree, fruit, flower, roots, leaf garden, living, grow	animal, human, living, plant	hard, soft, stretch, bend	N/A	plant, tree, fruit, flower, roots, leaf garden, living, grow	N/A
	Tier 2 Vocabulary	dawn, dusk, mild, rotate, soaked, weather	bud, trunk, branch, bark, seed, wild	blood, senses, young, feathers, fur, scales	absorb, rough, smooth, waterproof, metal, plastic		bud, trunk, branch, bark, seed, wild	
	Tier 3 Vocabulary	month, season, spring, summer, autumn, winter	nutrients, stem, deciduous, evergreen	mammal, amphibian, reptile, herbivore, carnivore, omnivore	materials, properties, flexible, transparent, opaque, physical		nutrients, stem, deciduous, evergreen	

### Science Vocabulary Progression Map - Year 2

	Topic	Living things and their habitats	Animals, including humans	Use of everyday materials	Revisit Living things and their habitats/Use of everyday materials	Plants	Revisit plants/ Animals including humans
Year 2	Words children should already know	habitat, animal, plant, living	mammal, amphibian, reptile, carnivore, herbivore, omnivore	materials, physical, properties, flexible, transparent, waterproof, opaque, absorb	N/A	bud, trunk, stem, branch, bark, seed, nutrients, respiration, reproduction, excretion, deciduous,	N/A
	Tier 2 Vocabulary	thrive, depend, producer, consume, prey, predator	healthy, survive, exercise, heart, lungs, muscles	artificial, brittle, extracted, fabric, manufactured, natural		wither, dormant, mature, bulb, anchor, sustain	
	Tier 3 Vocabulary	oxygen, nutrition, respiration, sensitivity, reproduction, excretion	hygiene, larva, pupa, vertebrates, invertebrates, metamorphosis	ceramic, durable, inflexible, reflective, rigid, translucent		germination, perennial, carbon, dioxide, glucose, clone	



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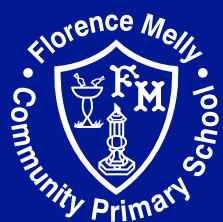


### Science Vocabulary Progression Map - Year 3

	Topic	Rocks	Animals, including humans	Revisit Rocks	Forces and magnets	Plants	Light
Year 3	Words children should already know	materials, properties, physical	vertebrates, invertebrates flexible, muscles, heart, absorb	N/A	materials, properties physical, metal	thrive, absorb, stem, nutrients, perennial, germination	light, materials, opaque, shiny
	Tier 2 Vocabulary	cemented, compacted, decay, prehistoric, soil, transform	minerals, skeleton, skull, voluntary, involuntary, nerves		consequence, contact, force, attract, north, south	adapt, essential, glucose, transport, variety, vital	absence, cast (shadow), impenetrable, reflect, shadow, source (light)
	Tier 3 Vocabulary	fossil, igneous, magma, metamorphic, minerals, sedimentary	biceps, triceps, vertebrae, vitamins, proteins, carbohydrates		magnet, resistance, friction, repel, pole, magnetic, field	transpiration, stoma, pollination, stamen, pistil, photosynthesis	constant, dependent, independent, illuminate, translucent, variable

### Science Vocabulary Progression Map - Year 4

	Topic	Living things and their habitats	States of matter	Animals, including humans	Electricity	Sound
Year 4	Words children should already know	habitat, micro-habitat, depend, organism, reproduction	heat, cool, temperature, change, freeze, compare, materials, properties	skull, skeleton carbohydrates, vitamins, proteins, absorb	perimeter complete, completion, recharge	particle, matter, solid, liquid, gas, energy
	Tier 2 Vocabulary	classification, environment, interdependence, interact, beneficial, hierarchy	permanent, particle, solid, liquid, gas, vapour	expel, compact, digestion, acid, stomach, intestines	associate, identify, portable, effect, appliance, series	produce, property, source, frequent, regular, affect
	Tier 3 Vocabulary	vertebrate, invertebrate, biotic, ecosystem, species, niche	evaporate, condense, melt, matter, state, volume	incisor, canine, molar, enzyme, saliva, peristalsis	component, electrical, insulator, electrical, conductor, circuit, hypothesis, variable	vibrate, pitch, volume, medium, vacuum, sound, wave



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### Science Vocabulary Progression Map - Year 5

	Topic	Properties and changes of materials	Animals, including humans	Forces	Earth and Space	Living things and Their Habitats
Year 5	Words children should already know	transparent, transparency, translucent, thermal, magnetism	chronology, chronological multiply	force, magnetism, attract, repel, friction, resistance	anticlockwise, hemisphere, equinox	pupa, larva reproduction, pollinate, pollination
	Tier 2 Vocabulary	property, particle, separate, combine, recover, comparative	development, diverse, unique, generation, mature, equipped	opposite, reaction, advantage, displace, weight, mass	luminous, phenomenon, attraction, approximately, relative, apparent	deduce, process, re-form, transform, adolescence, contrast
	Tier 3 Vocabulary	atom, molecule, chemical (changes), physical (changes), reversible, reaction	adolescence, puberty, gestation, embryo, foetus, womb	pulley, gear, pivot, fulcrum, lever, upthrust	orbit, axis, crescent	embryo, sexual, metamorphosis, incubate, biochemical, fertilisation

### Science Vocabulary Progression Map - Year 6

	Topic	Electricity	Animals, including humans (circulatory system)	Animals, including humans (water transportation)	Light	Living things and Their Habitats	Evolution and Inheritance
Year 6	Words children should already know	circuit/circuitous, current, conduct/conductor, insulate/insulator/insulation	skeleton, muscles, digestion, nutrition, oxygen	system, digestion, circulation, muscle	reflect, absence, presence, transparent, translucent, opaque, visible	environment, vertebrate, invertebrate, interdependence, ecosystem	vary, variation, reproduce, reproduction, descend, descendent, diverse, diversity, diversify
	Tier 2 Vocabulary	component, consequence, systematic, represent, source, generate	cell, chamber, system, circulation, vessel, clot, filter, expel, substance, function, regulate, transform	filter, expel, substance, function, regulate, transform	impurity, emit, absorb, constituent, filter, artificial	characteristic, interdependence, specific, categorise, primitive, hierarchy	characteristic, adaptation, acquire, theory, modify, generation
	Tier 3 Vocabulary	proton, neutron, electron, terminal, series, voltage	plasma, platelet, artery, capillary, vein, ventricle, kidney, bladder, urine, excretion, toxin, nutrient	kidney, bladder, urine, excretion, toxin, nutrient	refraction, incidence, spectrum, prism, lux, pigment	Fungus Arthropod Taxonomy Kingdom Phylum Genus	Evolve Survival Species Clone Inherit Fossil