

Hexham First School

Progression in Vocabulary

	Nursery	Reception	Year 1	Year 2	Year 3	Year 4
Plants (Biology)	Seed Seedling Grow Tree Petal Flower	bulb, seed, seedling flower, plant, root, petal, stem, lifecycle	Leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud Names of trees in the local area Names of garden and wild flowering plants in the local area common names of flowers, examples of deciduous and evergreen trees, and plant structures (including leaves, flowers (blossom), petals, fruit, roots, bulb, seed, trunk, branches, stem).	As for Year 1 plus light, shade, sun, warm, cool, water, grow, healthy Bulb, corms, germinate, properties, root, stem, tuber, Annual, compost, flower, fruit, germinate, germination, fruit, health, healthy, leaf, plant, root, seed, seedlings, soil, stem, vegetable, properties, materials, bulb, leaves	Photosynthesis,, pollen, insect/wind pollination, seed formation, seed dispersal (wind dispersal, animal dispersal, water dispersal) Carpel, flower, germinate, leaves, life cycle, nutrients, ovary, ovule, petal, photosynthesis, pollen, pollination, root, root hairs, seed dispersal, sepals, stamen, stem, style, stigma, veins	
Animals including humans (Biology)	Baby Toddler Child Adult Penguin Penguin chick male female	owl, owlet, baby,grow, beak feathers Life cycle	Head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves <ul style="list-style-type: none"> • Names of animals experienced first-hand from each vertebrate group • Parts of the body including those linked to PSHE teaching (see joint document produced by the ASE and PSHE Association) 	Offspring, reproduction, growth, child, young/old stages (examples - chick/hen, baby/child/adult, caterpillar/butterfly), exercise, heartbeat, breathing, hygiene, germs, disease, food types (examples – meat, fish, vegetables, bread, rice, pasta) Words for fruit and vegetables Exercise, healthy, hygiene, germ Calm, calves, cough, exercise, feed, fitness, food, fruit, germs, happiness, health, healthy,	Nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, joints, support, protect, move, skull, ribs, spine Balance diet, biceps, carbohydrates, contract, relax, exoskeleton, fats, femur, humerus, joint, muscle, nutrients, protein, skeleton, triceps, vertebrate	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 Anus, canine, canines, carnivores, decay, digestion, enamel, energy, herbivore, incisor, incisors, large intestine, molar, molars, mouth, nutrients,

			<ul style="list-style-type: none"> • Senses – touch, see, smell, taste, hear, fingers (skin), eyes, nose, ear and tongue 	hygiene, hygienic, muscle, needs, sneeze, stomach, thighs, vegetables		oesophagus, omnivores, small intestine, stomach
Everyday Materials	Hard Soft Cold Hot Smooth Bumpy	Shiny Sharp Melt Frozen Freeze Wood Metal Plastic	Object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool, clay, hard, soft, stretchy, stiff, bendy, floppy, waterproof, absorbent, breaks/tears, rough, smooth, shiny, dull, see-through, not see-through	Names of materials – wood, metal, plastic, glass, brick, rock, paper, cardboard Properties of materials – as for Year 1 plus opaque, transparent and translucent, reflective, non-reflective, flexible, rigid Shape, push/pushing, pull/pulling, twist/twisting, squash/squashing, bend/bending, stretch/stretching		Solid, liquid, gas, state change, melting, freezing, melting point, boiling point, evaporation, temperature, water cycle Boiling point, boiling, condensing, evaporation, freezing, freezing point. Gas, liquid, matter, material, melting, melting point, solid, temperature, thermometer, water cycle
Seasonal changes	Hot Cold Snow Rain Wind Weather	spring, summer, autumn, winter, ice, melt, frost, sunny, sun, leaves falling, snow, snow man, freeze, Season	Weather (sunny, rainy, windy, snowy etc.) <ul style="list-style-type: none">• Seasons (winter, summer, spring, autumn)• Sun, sunrise, sunset, day length			
Living things and their habitats	World South Pole North Pole Penguin Penguin Chick Male Female	Globe Habitat Freeze Duke's Wood Drought River		Living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed <ul style="list-style-type: none">• Names of local habitats e.g. pond, woodland etc.• Names of micro-habitats e.g. under logs, in bushes etc.		Classification, classification keys, environment, habitat, human impact, positive, negative, migrate, hibernate Amphibian, bird, centipede, classify, fish, flowering plant, habitat, insect, invertebrate, key, mammals, organism, reptile, vertebrate

				<p>Alive, dead, food chain, habitat, micro-habitat, predator, prey</p> <p>Live, carnivore, dead, food chain, habitat, herbivore, micro-habitat, never alive, omnivore, predator, prey</p>		
Rocks					<p>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</p> <p>Mineral, rock, permeable, impermeable, crystals, magma, sediment, humus, fossil, extinct, palaeontology, palaeontologists, granite, igneous, metamorphic, soil, Names of some rocks including granite, marble, clay, sand, limestone, sandstone, chalk</p>	
Light and Sound (physics)	Daytime Night Time Dark	Light Dark Moon Sun Stars			<p>Light, light source, dark, absence of light, transparent, translucent, opaque, shiny, matt, surface, shadow, reflect, mirror, sunlight, dangerous</p>	<p>Sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, loud, insulation</p> <p>Pitch, sound source, vibration, volume</p>

					<p>Description, dull, explanation, light source, mirror, observation, opaque, reflect, shadow, shiny, translucent, transparent</p>	
Forces and Magnets	<p>Pull Push Feel Down</p>	<p>magnet, magnetic, pull, push, metal</p>			<p>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</p> <p>Attract, compass, contract, force, iron, magnet, magnetic, magnetic North, non- contact, non-magnetic, pole, prediction, repel</p>	
Electricity	<p>Plug Make work Turn on</p>	<p>Plug Switch Electric</p>				<p>Electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative, connect/connections, loose</p>

						<p>connection, short circuit, crocodile clip, bulb, switch, buzzer, motor, conductor, insulator, metal, non-metal, symbol</p> <p>Battery, bulb, cell, circuit, components, conductor, insulator, mains, rechargeable, switch, terminals, wires</p>
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