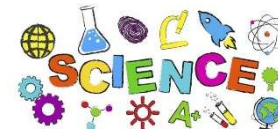


KEY VOCABULARY in Science



		CUBS 2-3 years	BEARS 3-4 years	RECEPTION 4-5 years	YEAR 1	YEAR 2
Substantive Knowledge	<u>Animals, including humans</u>	<p>Autumn 2 – All about me and Families Face, eyes, ears, nose, mouth, wash, eat, sleep, light, dark, hard, soft</p> <p>Spring 4 - Spring and New life Seed, flower, water, food, egg, hatch, chick, cow, sheep, horse, pig, hen, soft, hard</p> <p>Summer 6 - Wild animals Tiger, lion, giraffe, elephant, monkey, hot, sun, hard, soft</p>	<p>Autumn 1 - All about me and Traditional tales Cold, hot, cook, bread, flour, stir, mix, Autumn, smooth, runny, bumpy</p> <p>Spring 3 – Winter and Food Healthy, unhealthy, sugar, fat, fruit, vegetable, chop, cook, Winter, smooth, runny, bumpy</p> <p>Spring 4 - Spring and New Life Seed, flower, water, soil, plant, chick, egg, bird, food, Spring, smooth, bumpy, runny</p>	<p>Autumn B1 -Me and my small world: Animal, farm, horse, pig, cow, sheep, body, head, arms, hands, mouth, teeth, legs, feet, field, sty, barn, stable, coop</p> <p>Autumn B3 - Senses: Smell, touch, see, hear, taste, nose, skin, eyes, ears, mouth, tongue, hands, face, head, feel, sound, sight, sense</p> <p>Autumn B6 - Night and day: animal, nocturnal, owl, badger, fox, hedgehog, bat, stars, moon, sun, night, light, day, shadow, torch, daylight, asleep, awake, evening, morning, dark</p> <p>Spring B1 - Changes in Winter: winter, cold, warm, freeze, frozen, melt, ice, rainy, sunny, frosty, snowy, water, leaves, tree, change, hibernate, hedgehog, polar, polar, bear, penguin, fur</p> <p>Spring B3 - From jungle to desert: warm, hot, sandy, sunny, dry, wet, rainy, jungle, desert, tiger, zebra, giraffe, monkey, ostrich, elephant, lion, snake, camel, frog, lizard, scorpion</p> <p>Spring B5 – Animal detectives: animal, scales, feathers, fur, feet, legs, tail, wings, head, beak, snake, bird, pigeon, magpie, sort, mouse, frog, toad, cat, dog, fox</p> <p>Summer B1 – From city to sea: sea, ocean, city, same, different, road, building, car, pollution, animal, seaweed, sand, water, rock, shell, village, coast, plastic, litter, helpful, harmful</p> <p>Summer B4 – Happy and healthy: fruit, vegetables, food, choice, picnic, doctor, nurse, exercise, sometimes, tired, sport, help, well, unwell, feeling, every day, active, body, hot, warm, cool</p> <p>Summer B6 – We’re going on an animal hunt: legs, wings, head, body, eyes, shell, soft, crawl, slither, fly, minibeast, ant, ladybird, spider, slug, snail, bee, butterfly, wasp, woodlouse, beetle</p>	<p>Autumn B1 The human body</p> <p>Spring B2 – Animals hair, eyes, face, nose, ears, teeth, mouth, head, neck, arm, elbow, hand, leg, knee, foot</p> <p>light, dark, blind, hear, loud, quiet, noisy, sweet, salty, sour, bitter, savoury, skin, rough, smooth, hard, soft, smell, scent, sniff, stench</p> <p>animal, mammal, fur, wild mammal, pet, bird, wings, beak, feathers, webbed feet, flippers, tail, fins, scales, gills, amphibian, frog, toad, newt, reptile, lizard, crocodile, turtle, carnivore, sharp teeth, herbivore, plants, vegetable, fruit, omnivore</p>	<p>Autumn B1 - Animals needs for survival</p> <p>Autumn B2 – Humans</p> <p>Spring B2- Living things and their habitats</p> <p>Summer B2/B4 – Growing up shelter, heart, exercise, physical health, mental health, healthy diet, unhealthy diet, meat, sugar, germs, hygiene, doctor, disease, plaque, gums, filling</p> <p>offspring, egg, parent, baby, child, teenager, life cycle, adolescent, frogspawn, tadpole, froglet, caterpillar, pupa, butterfly, insect, adult</p>
	Living things and their habitats	<p>Summer 6 – Jungle and The seaside Float, sink, plastic, wood, metal, sea, jungle, forest, Summer, smooth, runny, bumpy</p>	<p>Autumn B6 - Night and day: animal, nocturnal, owl, badger, fox, hedgehog, bat, stars, moon, sun, night, light, day, shadow, torch, daylight, asleep, awake, evening, morning, dark</p> <p>Spring B3 - From jungle to desert: warm, hot, sandy, sunny, dry, wet, rainy, jungle, desert, tiger, zebra, giraffe, monkey, ostrich, elephant, lion, snake, camel, frog, lizard, scorpion</p>	<p>Spring B2- Living things and their habitats</p> <p>Summer B2/B4 – Growing up Arctic plants, hibernate, habitat, cactus, desert, rainfall, ocean</p> <p>seagrass, woodland, fern, moss, microhabitat, spider, snail, diet, food chain, living, dead, never alive</p>		

Substantive Knowledge	<u>Plants</u>	<p>Spring 4 - Spring and New life Seed, flower, water, food, egg, hatch, chick, cow, sheep, horse, pig, hen, soft, hard</p>	<p>Spring 3 – Winter and Food Healthy, unhealthy, sugar, fat, fruit, vegetable, chop, cook, Winter, smooth, runny, bumpy</p> <p>Spring 4 - Spring and New life Seed, flower, water, soil, plant, chick, egg, bird, food, Spring, smooth, bumpy, runny</p> <p>Summer 6 – Jungle and The seaside Float, sink, plastic, wood, metal, sea, jungle, forest, Summer, smooth, runny, bumpy</p>	<p>Autumn B2 - What's in my basket: fruit, vegetable, size, big, little, large, small, rough, spiky, smooth, colour, seed, heavy, light</p> <p>Spring B1 - Changes in Winter: winter, cold, warm, freeze, frozen, melt, ice, rainy, sunny, frosty, snowy, water, leaves, tree, change, hibernate, hedgehog, polar, polar, bear, penguin, fur</p> <p>Spring B4 – Watch it grow: plant, grow, root, stem, beanstalk, compost, worm, soil, seed, leaf, caterpillar, chrysalis, butterfly, petal, flower, bean, shoot, wormery, pot, trowel, water</p> <p>Summer B1 – From city to sea: sea, ocean, city, same, different, road, building, car, pollution, animal, seaweed, sand, water, rock, shell, village, coast, plastic, litter, helpful, harmful</p> <p>Summer B5– Our wonderful world: litter, tidy, mess, recycle, rubbish, bin, dirty, clean, sort, plastic, paper, cardboard, metal, glass, plant, flower, garden, bee, minibeast, butterfly, wildlife</p>	<p>Spring B1 - Planting A</p> <p>Spring B5 - Planting B</p> <p>Summer B1 – Plants</p> <p>Summer B2 - Planting C</p> <p>plant, flower, leaf, petals, stem, roots, branch, trunk, roots, wildflower, daisy, garden plant, sunflower, nettle, buttercup, dandelion, deciduous tree, horse chestnut, oak, sycamore, evergreen tree, pine, holly, needles, seed, soil, growth</p>	<p>Spring B1 - Plants (light and dark) Part 1</p> <p>Spring B3 - Plants (light and dark) Part 2</p> <p>Summer B1/B3 - Plants bulbs and seeds</p> <p>sunlight, compost, herb, blossom, bulb, shoot</p>
	<u>Materials</u>	<p>Autumn 1 - Nursery rhymes and Colour Loud, quiet, colour, rainbow, rain, sunshine, hard, soft</p> <p>Autumn 2 – All about me and Families Face, eyes, ears, nose, mouth, wash, eat, sleep, light, dark, hard, soft</p> <p>Spring 3 - Winter and Dinosaurs Cold, snow, dinosaur, roar, spiky, tail, teeth, stomp, soft, hard</p> <p>Spring 4 - Spring and New life Seed, flower, water, food, egg, hatch, chick, cow, sheep, horse, pig, hen, soft, hard</p> <p>Summer 5 - Transport Car, train, boat, aeroplane, bicycle, fast, slow, smooth, hard</p> <p>Summer 6 - Wild Animals Tiger, lion, giraffe, elephant, monkey, hot, sun, hard, soft</p>	<p>Autumn 1 - All about me and Traditional tales Cold, hot, cook, bread, flour, stir, mix, Autumn, smooth, runny, bumpy</p> <p>Autumn 2 - Celebrations and Favourite stories Squeeze, squash, roll, sparkle, shine, light, winter, smooth, runny, bumpy</p> <p>Spring 3 – Winter and Food Healthy, unhealthy, sugar, fat, fruit, vegetable, chop, cook, Winter, smooth, runny, bumpy</p> <p>Spring 4 - Spring and New life Seed, flower, water, soil, plant, chick, egg, bird, food, Spring, smooth, bumpy, runny</p> <p>Summer 5 -Transport and Journeys Push, move, soft, wood, shiny, magnet, smooth, runny, bumpy</p> <p>Summer 6 – Jungle and The seaside Float, sink, plastic, wood, metal, sea, jungle, forest, Summer, smooth, runny, bumpy</p>	<p>Autumn B4 - Let's go outside: mud grass, water, ice, tree, leaf, sticky, rough, smooth, wet, soft, hard, cold, dry, rainy, cloudy, sunny, windy, snowy, weather, autumn</p> <p>Autumn B5 - What's changed: melt, changed, same, different, hard, soft, runny, hot, cold, warm, burn, mix, wet, dry, heat, fire, cool</p> <p>Spring B2 - Let it flow: water, wet, dry, flow, float, sink, sand, mud, container, pour, fill, full, empty, mix, large, small, tall, wide, shallow, deep, heavy</p> <p>Spring B6 – Pushes and pulls: push, pull, surface, rough, smooth, bumpy, ramp, roll, slide, high, low, down, up, move, start, stop, magnet, attract, repel, stretch, spin</p> <p>Summer B3 – Test it out: test, material, object, best, worst, fabric, cardboard, water, plastic, metal, hard, soft, wet, heavy, build, sort, thick, thin, light, dry, waterproof</p> <p>Summer B5– Our wonderful world: litter, tidy, mess, recycle, rubbish, bin, dirty, clean, sort, plastic, paper, cardboard, metal, glass, plant, flower, garden, bee, minibeast, butterfly, wildlife</p>	<p>Autumn B3 – Materials</p> <p>material, shiny, dull, rock, heavy, light, object, wood, metal, plastic, glass, wool, solid, liquid, melt, freeze, ice, float, sink, absorb, transparent, opaque</p>	<p>Autumn B3 – Materials</p> <p>natural material, human-made material, recycle, flexible, rigid, stone, pebble, brick, brittle, flexible, translucent, tough, lightweight, strong, breakable, waterproof</p>
	<u>Seasonal Changes</u>	<p>Autumn 1 - Nursery rhymes and Colour Loud, quiet, colour, rainbow, rain, sunshine, hard, soft</p> <p>Autumn 2 – All about me and Families Face, eyes, ears, nose, mouth, wash, eat, sleep, light, dark, hard, soft</p> <p>Spring 3 - Winter and Dinosaurs Cold, snow, dinosaur, roar, spiky, tail, teeth, stomp, soft, hard</p> <p>Spring 4 - Spring and New life Seed, flower, water, food, egg, hatch, chick, cow, sheep, horse, pig, hen, soft, hard</p> <p>Summer 6 - Wild animals Tiger, lion, giraffe, elephant, monkey, hot, sun, hard, soft</p>	<p>Autumn 1 - All about me and Traditional tales Cold, hot, cook, bread, flour, stir, mix, Autumn, smooth, runny, bumpy</p> <p>Autumn 2 - Celebrations and Favourite stories Squeeze, squash, roll, sparkle, shine, light, winter, smooth, runny, bumpy</p> <p>Spring 3 – Winter and Food Healthy, unhealthy, sugar, fat, fruit, vegetable, chop, cook, Winter, smooth, runny, bumpy</p> <p>Spring 4 - Spring and New life Seed, flower, water, soil, plant, chick, egg, bird, food, Spring, smooth, bumpy, runny</p> <p>Summer 6 – Jungle and The seaside Float, sink, plastic, wood, metal, sea, jungle, forest, Summer, smooth, runny, bumpy</p>	<p>Autumn B4 - Let's go outside: mud grass, water, ice, tree, leaf, sticky, rough, smooth, wet, soft, hard, cold, dry, rainy, cloudy, sunny, windy, snowy, weather, autumn</p> <p>Autumn B6 - Night and day: animal, nocturnal, owl, badger, fox, hedgehog, bat, stars, moon, sun, night, light, day, shadow, torch, daylight, asleep, awake, evening, morning, dark</p> <p>Spring B1 - Changes in Winter: winter, cold, warm, freeze, frozen, melt, ice, rainy, sunny, frosty, snowy, water, leaves, tree, change, hibernate, hedgehog, polar, polar, bear, penguin, fur</p> <p>Summer B2 -Look all around: summer, change, same, different, tree, plant, leaf, flower, grass, building, school, road, house, weather, sunny, rainy, cloudy, windy, animal, warm, cold</p>	<p>Autumn B2 – Seasonal changes (autumn)</p> <p>Autumn B4– Seasonal changes (winter)</p> <p>Spring B4– Seasonal changes (spring)</p> <p>Summer B4– Seasonal changes (summer)</p> <p>autumn, daylight, night, weather, season, rainfall, weather, rain gauge, winter, rainy, snowy, windy, cloudy, frosty, sunny, spring, summer</p>	

<u>Sustainability</u>			<p>Spring B4 – Watch it grow: plant, grow, root, stem, beanstalk, compost, worm, soil, seed, leaf, caterpillar, chrysalis, butterfly, petal, flower, bean, shoot, wormery, pot, trowel, water</p> <p>Summer B1 – From city to sea: sea, ocean, city, same, different, road, building, car, pollution, animal, seaweed, sand, water, rock, shell, village, coast, plastic, litter, helpful, harmful</p> <p>Summer B5 – Our wonderful world: litter, tidy, mess, recycle, rubbish, bin, dirty, clean, sort, plastic, paper, cardboard, metal, glass, plant, flower, garden, bee, minibeast, butterfly, wildlife</p> <p>Summer B6 – We’re going on an animal hunt: legs, wings, head, body, eyes, shell, soft, crawl, slither, fly, minibeast, ant, ladybird, spider, slug, snail, bee, butterfly, wasp, woodlouse, beetle</p>	<p>Spring B3 – Caring for the planet</p> <p>Summer B3 – Growing and cooking</p> <p>Earth, helpful, harmful, recycle, reuse, crops, farmer, cook</p>	<p>Autumn B4 – Plastic</p> <p>Summer B5 – Wildlife</p> <p>single-use plastic, wildlife, nature, local</p>
		<u>Disciplinary Knowledge</u>	<p>Working Scientifically</p> <p><u>Working Scientifically across all EYFS:</u> same, different, similar, change, see, watch, equipment, tool, guess</p>	<p>Working Scientifically: measure, observe, compare, measurement, growth, trowel, temperature, bend, squash, twist, stretch, absorb</p> <p>Exposure Words: draw, label, change, same, table, record, tally, pipette, size, predict, similar, different, sort, group, identify, pattern, height, number, amount, hand lens, ruler, counting cubes, centimetres, meters, suitable, unsuitable, match, test, scientific enquiry, comparative test, research, pattern seeking</p>	