



Learning objectives and skills

Two lessons of science are to be taught a week. In Year 1 the same learning objective will be used across two lessons.


Advent		Lent		Pentecost	
<u>Everyday materials</u> Our Changing World: Plants Our Changing World: Plants	<u>Using our senses</u> Our Changing World: Sensing seasons	<u>Looking at animals</u> Our Changing World: Plants	<u>Return to Module 4 – Everyday materials</u> Our Changing World: Animal antics Our Changing World: Sensing seasons	<u>Module 1 – Plant detectives Lessons</u> Our Changing World: Sensing seasons Revisit	<u>Return to Module 2 – Looking at animals Lessons</u> Our Changing World: Plants Revisit
<u>Module 4 – Everyday materials</u> 1 What material is this? Part 1 <ul style="list-style-type: none"> Identifying and classifying. 2 What Material is this? Part 2 <ul style="list-style-type: none"> Observing closely, using simple equipment. 3 Is all paper the same? <ul style="list-style-type: none"> Performing simple tests. 4 Is all fabric the same? <ul style="list-style-type: none"> Using their observations and ideas to suggest answers to questions. <u>Our Changing World: Plants</u> 1 How do leaves change across the year? <ul style="list-style-type: none"> Observing closely, using simple equipment. 2 Do all trees lose their leaves in winter and grow new ones in Spring? <ul style="list-style-type: none"> Observing closely, using simple equipment. <u>Our Changing World: Animal antics</u> 1 Which animals live around our school? <ul style="list-style-type: none"> Gathering and recording data to help in answering questions. 	<u>Module 3 – Using our senses</u> 1 Is everybody's body the same? <ul style="list-style-type: none"> Asking simple questions and recognising that can be answered in different ways. 2 What differences can our tongues taste? <ul style="list-style-type: none"> Identifying and classifying. 3 What can we hear using our sense of hearing? <ul style="list-style-type: none"> Identifying and classifying. 4 How can we explore the world using our sense of touch? <ul style="list-style-type: none"> Using their observations and ideas to suggest answers to questions. <u>Our Changing World: Sensing seasons (link with Using our senses module)</u> 1 How do the changing seasons affect me? <ul style="list-style-type: none"> Using their observations and ideas to suggest answers to questions. 2 What can we see and hear that shows us that the seasons are changing? Part 1 <ul style="list-style-type: none"> Gathering and recording data to help in answering questions. 3 What can we see and hear that shows us that the seasons are changing? Part 2 <ul style="list-style-type: none"> Using their observations and ideas to suggest answers to questions. 	<u>Module 2 – Looking at animals</u> 1 Who's who in the animal world? <ul style="list-style-type: none"> Identifying and classifying. 2 How are animals' bodies different? <ul style="list-style-type: none"> Observing closely, using simple equipment. 3 Do fish have fingers? <ul style="list-style-type: none"> Observing closely, using simple equipment. 4 What's so special about birds? <ul style="list-style-type: none"> Observing closely, using simple equipment. Using their observations and ideas to suggest answers to questions. 7 Which animals are busy at night? <ul style="list-style-type: none"> Identifying and classifying. <u>Our Changing World: Plants</u> 3 What flowers can we find during different seasons? <ul style="list-style-type: none"> Observing closely, using simple equipment. 4 How do plants grow and change over time? <ul style="list-style-type: none"> Observing closely, using simple equipment. 	<u>Return to Module 4 – Everyday materials</u> 5 Can the same object be made from different materials? <ul style="list-style-type: none"> Identifying and classifying. 7 What's it like? <ul style="list-style-type: none"> Observing closely, using simple equipment. 6 Can the same object be made from different materials? <ul style="list-style-type: none"> Gathering and recording data to help in answering questions. 8 Does it bend or stretch? <ul style="list-style-type: none"> Gathering and recording data to help in answering questions. 9 How wet can you get it? <ul style="list-style-type: none"> Performing simple tests. 10 What do our plates feel like? <ul style="list-style-type: none"> Identifying and classifying. E1 What properties do ice and water have? <ul style="list-style-type: none"> Performing simple tests. <u>Our Changing World: Animal antics</u> 2 How many birds visit our feeding station? <ul style="list-style-type: none"> Using their observations and ideas to suggest answers to questions. <u>Our Changing World: Sensing seasons</u> 4 How does the weather change across the seasons? <ul style="list-style-type: none"> Gathering and recording data to help in answering questions. 	<u>Module 1 – Plant detectives Lessons</u> 1 What garden plants can we find around our school? <ul style="list-style-type: none"> Observing closely, using simple equipment. 2 What wild plants can we find around our school? <ul style="list-style-type: none"> Observing closely, using simple equipment. 3 What is the same about the flowers around us? <ul style="list-style-type: none"> Identifying and classifying. 4 What is happening underground beneath us? <ul style="list-style-type: none"> Observing closely, using simple equipment. 5 What makes a tree a tree? <ul style="list-style-type: none"> Gathering and recording data to help in answering questions. <u>Our Changing World: Sensing seasons Revisit</u> 2 What can we see and hear that shows us that the seasons are changing? Part 1 <ul style="list-style-type: none"> Gathering and recording data to help in answering questions. 3 What can we see and hear that shows us that the seasons are changing? Part 2 <ul style="list-style-type: none"> Using their observations and ideas to suggest answers to questions. 	<u>Return to Module 2 – Looking at animals Lessons</u> 6, Whose food is this? <ul style="list-style-type: none"> Identifying and classifying. E1 Which animals live in our homes with us? <ul style="list-style-type: none"> Gathering and recording data to help in answering questions. E4 Who is on the menu today? <ul style="list-style-type: none"> Identifying and classifying. <u>Our Changing World: Plants Revisit</u> 3 What flowers can we find during different seasons? <ul style="list-style-type: none"> Observing closely, using simple equipment. 4 How do plants grow and change over time? <ul style="list-style-type: none"> Observing closely, using simple equipment. 5 What can we make with the food we have grown? <ul style="list-style-type: none"> Identifying and classifying. <u>Our Changing World Animal Antics</u> 3) How do snails change over time? <ul style="list-style-type: none"> Observing closely, using simple equipment. EL1) How should we take care of our pets? <ul style="list-style-type: none"> Asking simple questions and recognising that can be answered in different ways.

#BTK and Links with other subjects

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Key Vocabulary

<p>materials, wood, wooden, plastic, metal, glass, water, rock, brick, paper, writing, wrapping, shiny, drawing, display, greaseproof, kitchen towel, handkerchief, wallpaper, sand paper, fabric, wool, nylon, silk, fleece fibre, properties, hard, soft, fluffy, rough, smooth, shiny, dull, light, heavy, transparent (see-through), opaque (can't see-through), translucent (see something through), harder, lighter, rougher, stretch, stretchy, elastic, stiff, bend, bendy, not bendy, press, squash, twist, shape, waterproof, absorb, absorbent, soak up, mop up; frozen, freeze, melt, salt, tissue paper, button, glass bead, marble, pebble, pasta plant (verb and noun), leaf, leaves, bud, twig, branch, tree, roots, stem, shoot, bud, flower, leaf, rough, smooth, shiny, glossy, wrinkled, crinkled, crunchy, crisp, soft, green, olive, brown, orange, red, yellow, rust, flower, blossom, petals, stem, stalk, small, little, big, large, single, lots, deciduous, evergreen, plug plant, soil, compost, manure, dig, prepare, water, watering, vegetable, fruit, names of vegetables and fruits, salad, wash, clean, peel, cut, chop, grate, mix, sprinkle, combine</p> <p>butterfly, fly, wasp, bee, frog, spider, woodlice, worm, ant, ladybird, fl y, squirrel, fox, dog, puppy, cat, kitten, hedgehog, bird, blackbird, house sparrow, starling, pigeon, seagull, robin, thrush, wagtail, blue tit, chaffinch, great tit, collared dove, magpie, wood pigeon, bird table, feeder, nuts, seed, types of seed, fat ball, snail, shell, foot, slime, slimy, striped, stripy, ridged, spiral, terrarium, dandelion, feed, food, leaves, lettuce, paws, claws, fur, whiskers, tail, furry, fluffy, silky, smooth, rough, thick, thin, long, short, big, small, brush, comb, lead, collar, toys, biscuits, chews</p>	<p>body, head, neck, arms, elbows, hands, fingers, legs, knees, feet, face, skin, ears, eyes, nose, nostrils, hair, mouth, teeth, tall, taller, short, shorter, big, bigger, small, smaller, louder, softer, loud, quiet, high, low, senses, taste, hearing, touch, smell, sight, bitter, sweet, sour, sharp, tingly, fizzy, milky, creamy, buzzer, doorbell, radio, tocker timer, bird song, wind blowing, car horn, traffic noise, loud/er, quiet/er, peaceful, silent, silence, noise, noisy, bang, crash, whistle, buzz, ring, squeak, creak, rattle, bang, knock, tick, chime, feel, touching, sensitive, sense, sensory, rub, pinch, prod, rough, smooth, bumpy, wrinkled, grooved, shiny, smooth, soft, hard, crunchy, slippery, slimy, fragrance, scent, pong, flowery, fruity, sour, bitter, sharp, strong, gentle, smelly, delicate, sensitive, fabric, material, layers, thick, thin, thicker, thinner, soft, hard, clock, window, door, floorboards, kettle, fi re, chicken, sheep, cow, cluck, baa, moo</p> <p>seasons, autumn, winter, spring, summer, evidence, similar, different, group, compare, change, names of the months of the year, temperature, hot, warm, cold, cool, freezing, frosty, wet, dry, sunny, cloudy, showery, stormy, windy, breeze, gale, rainy, sunny, snow, shower, drizzle, puddle, breeze, gale, thunder, lightning, sleet, fog, mist, hat, gloves, mittens, scarf, muffler, ear muffs, boots, coat, umbrella, wellies, kite, windmill, sunglasses, thick, thin, woolly, furry, warm, waterproof</p>	<p>fish, amphibian, reptile, bird, mammal, goldfish, tropical fish, budgerigar, parrot, rabbit, gerbil, hamster, mouse, chinchilla, lizard, snake, dog, cat, tail, paws, legs, feet, nose, ears, eyes, feather, fur, scales, fins, fish, tail, gills, scales, eyes, mouth, bill, beak, head, eye, legs, claws, wings, feather, down quill, webbed feet, legs, smooth skin, big eyes and mouth, nose, scaly skin, claws on feet, long tongue, big teeth, mackerel, trout, hake, sea bass, whitebait, flat fish, plaice, robin, blackbird, blue tit, hawk, peacock, seagull, magpie, eagle, jump, hop, leap, climb, clamber, swing, pad, pace, prowl, pounce, spring, flap, fly, flutter, flop, splash, splosh, dive, swim, slither, slide, hedgehog, fox, bat, badger, night, nocturnal, senses, sight, smell, sonar, food, feeding, roost, sett, burrow, tunnel, nest, hospital, surgery, nurse, vet, patient, care, look after, treat, accident, injury, injured, illness, sick, medicine, bandage, stethoscope, gloves, face mask, overalls, cow, sheep, pig, horse, pony, goat, duck, chicken, cockerel, goose, harvest mouse, barn owl, rabbit, cat, dog, moo, baa, oink, neigh, bleat, quack, cluck, cock-a-doodle-do, honk, squeak, purr, miaow, woof, eat, healthy, meat, insects, fish, vegetables, plants, trees, grass, seeds, nuts, carnivore, herbivore, omnivore, goat, beard, hoof, hooves, horns, troll, ugly, big eyes, big pointed ears, big nose, big mouth with sharp teeth, small, medium, big, smallest, biggest, dinner, meal, meat, lamb, beef, ham, chicken, vegetables, plants, trees, bushes, grass, menu, hamper, appetite</p> <p>plant (verb and noun), leaf, leaves, bud, twig, branch, tree, roots, stem, shoot, bud, flower, leaf, rough, smooth, shiny, glossy, wrinkled, crinkled, crunchy, crisp, soft, green, olive, brown, orange, red, yellow, rust, flower, blossom, petals, stem, stalk, small, little, big, large, single, lots, deciduous, evergreen, plug plant, soil, compost, manure, dig, prepare, water, watering, vegetable, fruit, names of vegetables and fruits, salad, wash, clean, peel, cut, chop, grate, mix, sprinkle, combine</p>	<p>materials, wood, wooden, plastic, metal, glass, water, rock, brick, paper, writing, wrapping, shiny, drawing, display, greaseproof, kitchen towel, handkerchief, wallpaper, sand paper, fabric, wool, nylon, silk, fleece fibre, properties, hard, soft, fluffy, rough, smooth, shiny, dull, light, heavy, transparent (see-through), opaque (can't see-through), translucent (see something through), harder, lighter, rougher, stretch, stretchy, elastic, stiff, bend, bendy, not bendy, press, squash, twist, shape, waterproof, absorb, absorbent, soak up, mop up; frozen, freeze, melt, salt, tissue paper, button, glass bead, marble, pebble, pasta butterfly, fly, wasp, bee, frog, spider, woodlice, worm, ant, ladybird, fl y, squirrel, fox, dog, puppy, cat, kitten, hedgehog, bird, blackbird, house sparrow, starling, pigeon, seagull, robin, thrush, wagtail, blue tit, chaffinch, great tit, collared dove, magpie, wood pigeon, bird table, feeder, nuts, seed, types of seed, fat ball, snail, shell, foot, slime, slimy, striped, stripy, ridged, spiral, terrarium, dandelion, feed, food, leaves, lettuce, paws, claws, fur, whiskers, tail, furry, fluffy, silky, smooth, rough, thick, thin, long, short, big, small, brush, comb, lead, collar, toys, biscuits, chews</p>	<p>pansy, geranium, busy Lizzie, petunia, begonia, daisy, snapdragon, fuchsia, lily, daffodil, tulip, buddleia, weed, buttercup, thistle, nettle, foxglove, poppy, dandelion, daisy, cornflower, periwinkle, bluebell, leaf, stem, flower, bud, root, root system, tap root, fibrous roots, tree, trunk, branch, twig, tall, short, taller, shorter, tallest, shortest, similar, different, compare, group, measure seasons, autumn, winter, spring, summer, evidence, similar, different, group, compare, change, names of the months of the year, temperature, hot, warm, cold, cool, freezing, frosty, wet, dry, sunny, cloudy, showery, stormy, windy, breeze, gale, rainy, sunny, snow, shower, drizzle, puddle, breeze, gale, thunder, lightning, sleet, fog, mist, hat, gloves, mittens, scarf, muffler, ear muffs, boots, coat, umbrella, wellies, kite, windmill, sunglasses, thick, thin, woolly, furry, warm, waterproof</p>	<p>fish, amphibian, reptile, bird, mammal, goldfish, tropical fish, budgerigar, parrot, rabbit, gerbil, hamster, mouse, chinchilla, lizard, snake, dog, cat, tail, paws, legs, feet, nose, ears, eyes, feather, fur, scales, fins, fish, tail, gills, scales, eyes, mouth, bill, beak, head, eye, legs, claws, wings, feather, down quill, webbed feet, legs, smooth skin, big eyes and mouth, nose, scaly skin, claws on feet, long tongue, big teeth, mackerel, trout, 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	<h2>Working scientifically statements.</h2>
<p>Planning</p>	<ul style="list-style-type: none"> ● Asking simple questions and recognising that can be answered in different ways.
<p>Observing</p>	<ul style="list-style-type: none"> ● Observing closely, using simple equipment. ● Performing simple tests.



Working scientifically statements.

- Identifying and classifying.

Recording

- Gathering and recording data to help in answering questions.

Concluding

- Using their observations and ideas to suggest answers to questions.

Evaluating