aspects of their familiar

world.

To know that some food we eat comes from

plants.

Future Learning In year one pupils will learn to name the external body parts and about the five senses. They will learn the names of commor can be classified into different groups (amphibian, reptile, mamma, fish, bird) and by what they eat - (carnivore, herbivore, non living and will learn to name the parts of a plant (petals, stem, leaves, roots, trunk, branches) Learning Objective Substantive knowledge To ask questions about aspects of their familiar world. To talk about some things they have observed such as plants animals and natural objects. To talk about why things happen and how things work. To develop an understanding of growth decay and changes over Venture Learning: Who am I? Unit of Learning: Who am I?	
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can be classified into different groups (amphibian, reptile, mamma, fish, bird) and by what they eat - (carnivore, herbivore, non living and will learn to name the parts of a plant (petals, stem, leaves, roots, trunk, branches) Autumn 1 Learning Objective To ask questions about aspects of their familiar world. To talk about some things they have observed such as plants and natural objects. To talk about why things happen and how things work. To develop an understanding of growth decay and changes over To know that in summer the trees have green Substantive knowledge Suggested Activity Introduce 'Welly Wednesday' sessions in the school grounds. Explore the school woodland. Discuss and ask questions about what they observe. To know the parts of some plants including petals, leaves, trunk, branches. To know and identify the different animals found in our woodland and use the correct names to describe them insects, minibeasts, spider, snail, slug, ant, beetle, caterpillar, ladybird, woodlouse, earwig, harvestman, crane fly, fly, moth, bird, hedgehog, rabbit, fox. To know that in summer the trees have green	Through Provision OUTDOOR Music Area Creating sound / louder / soft CD Player
Learning Objective To ask questions about aspects of their familiar world. To talk about some things they have observed such as plants animals and natural objects. To talk about why things happen and how things work. To develop an understanding of growth decay and changes over To know that our woodland is a special place for nature. To know that our woodland is a special place for nature. To know that our woodland is a special place for nature. To know its is important to be quiet, careful and kind when exploring nature. To know its is important to be quiet, careful and kind when exploring nature. To know the parts of some plants including petals, leaves, trunk, branches. To know and identify the different animals found in our woodland and use the correct names to describe them insects, minibeasts, spider, snail, slug, ant, beetle, caterpillar, ladybird, woodlouse, earwig, harvestman, crane fly, fly, moth, bird, hedgehog, rabbit, fox. To know that in summer the trees have green	OUTDOOR Music Area Creating sound / louder / soft CD Player
for nature. To know its is important to be quiet, careful and kind when exploring nature. To know the parts of some plants including petals, leaves, trunk, branches. To know and identify the different animals found in our woodland and use the correct names to describe them insects, minibeasts, spider, snail, slug, ant, beetle, caterpillar, ladybird, woodlouse, earwig, harvestman, crane fly, fly, moth, bird, hedgehog, understanding of growth decay and changes over for nature. To know its is important to be quiet, careful woodland. Discuss and ask questions about what they observe. the school grounds. Explore the school woodland. Discuss and ask questions about what they observe.	Music Area Creating sound / louder / soft CD Player
time. To show care and concern for living things and the environment. leaves, there are flowers and fruits on plants.	Percussion Instruments Scarves, pom poms Ribbons Construction Area Gravity -falling/dinosaurs- carnivores herbivores Duplo - Dinosaurs Stickle Bricks Water Area features of animals and their habitats Number ducks and nets Number song 5 little ducks Sand Area Rocks and soils - particles Seaside Theme Spades, buckets, rakes, sieves, moulds shells, pebbles, crabs, starfish, 2 deckchairs Play tray/small world Down on the Farm Buildings, animals, fences, vehicles, artificial grass features of animals and their habitats / life cycles and baby animals
To ask questions about aspects of their familiar world. To know the parts of some plants including petals, leaves, trunk, branches. To know that in summer the trees have green leaves, there are flowers and fruits on plants. To ask questions about To know the parts of some plants including petals, leaves, trunk, branches. To know the parts of some plants including the school grounds and harvest the school produce. Harvest apples from the school orchid and make apple crumble	Gravel Construction Area Rocks and soils - particles mass / forces Large wooden brick trolley, crates, planks, tyres, pipe steering wheels

A Scheme of Work designed to make our school a vibrant learning community where all pupils are successful learners. Leaners who are valued and able to thrive. It is designed to engage pupils and motivate them to learn. It is challenging and inspirational, with meaningful outcomes and clearly defined end points, but allows flexibility, to ensure all pupils receive a broad, balanced curriculum and prepares pupils for the next stage of their education and for life in modern Britain and beyond.

Weight and Capacity Diggers, scoops, buckets,

wheelbarrows

To talk about some	To know that we can eat some plants or		Wheeled resources and track
things they have	parts of some plants (roots and fruits).		Forces
observed such as plants	To know that at the end of summer and the		Scooters, go-kart, tandem, rickshaw, road signs, cones, vests
animals and natural	start of autumn is harvest time in the UK /		Grass Area
objects.	our country.		Forces
To talk about why things	To know that harvest means collecting all the		Continuous gross motor skills Throwing and catching
	3		Kicking, rolling, dribbling patting skills
happen and how things	plants or parts of plants that we can eat.		Running, jumping, skipping, hopping skills Space hoppers
work.	To know that when we heat / cook food it		Hoops, bean bags, target games, stilts
To develop an	changes (colour /texture).		Physical Development
understanding of growth	To know the parts of some plants including	Explore the school poly tunnel – and the	Forces
decay and changes over	petals, leaves, trunk, branches.	compost bins. Look at the food that is	Gross motor development
time.	To know that in summer the trees have green	growing and what happens to the plants	Balancing, crawling, swinging, side stepping, climbing,
To show care and	leaves, there are flowers and fruits on plants.	1	coordination, strength, control Forest Climbing
concern for living things	To know that some food we eat comes from	when they die - look at the different	Grab and Grasp Net
and the environment.	plants.	levels of decay.	Discovery Area
ELG	To know that we can eat some plants or		features of animals and their habitats
To understand some	parts of some plants (roots and fruits).		Bug hotels
important processes	•		Minibeast identification posters Clipboards and pens
•	To know that when plants die they decay		Gardening equipment
and changes in the	(break down).		Trowels, rakes, forks, plant pots
natural world around			Aprons, gloves
then including seasonal			Magnifying glasses, bug catchers, minibeast fact cards
changes and changes of		100	Potion Lab
state.			INDOOR
			Role-Play
			body parts
			Home Corner
			Doctors Surgery
			Malleable Area
			forces Recipe books
			Ingredients
			Tools/rolling pins
		= =	Cutters/trays
			Play dough
			Bakery - cakes, buns and biscuits

To ask questions about aspects of their familiar world. To talk about some things they have observed such as plants animals and natural	To know that we can taste and smell food using our tongue for tasting and our nose for smelling. To know that foods taste and smell different.	Taste the food we harvest from our school grounds. Talk about the food we like and dislike and why.	Construction Area Forces Writing Box Clip boards Tape measures Toolboxes Vest/gloves/goggles Water Area
objects. To talk about why things happen and how things work. To develop an understanding of growth decay and changes over time. To show care and concern for living things and the environment. To ask questions about the things they have observed such as plants animals.	To know that different parts of our bodies have different names. To know the names and identify head, neck, shoulders, arms, hands, fingers and thumbs, chest, stomach, legs, feet, toes. To begin know we have five senses, sight, smell, taste, touch and hearing. To know that our senses help us to understand the world around us. To begin know that we use our eyes to see, our ears to hear, our nose to smell and our tongue to taste. To begin know we experience touch through our skin.	Talk about the different body parts and how we use them. Explore our 5senses through practical activities. Name and label body parts.	forces / water pressure / sinking and floating / dry and wet Fine motor: Sponges, flannels for squeezing Capacity language and experimenting Water wheels Pumps/pipettes Containers, jugs, funnels Play tray/small world features of animals and their habitats Autumn theme Woodland animal habitats

Subject: Science - The Natural Wor	ld		
Year group: Foundation 2	L	Unit of Learning: Food Glorious Food	
Future Learning	•	<u> </u>	
	ne external body parts and about the five sense	s. They will learn the names of common wild	and garden plants. Pupils will learn animals
	s (amphibian, reptile, mamma, fish, bird) and by		
<u></u>	rts of a plant (petals, stem, leaves, roots, trun	· · · · · · · · · · · · · · · · · · ·	, ,
	•	rumn 2	
Learning Objective	Substantive knowledge	Suggested Activity	Through Provision
To talk about some things they have observed such as plants, animals, natural and found objects. To have greater awareness of seasonal change. To ask questions about aspects of their familiar such as the place where they live or the natural world. To ask questions about the things they have observed such as plants animals. ELG To understand some important processes and changes in the natural world around then including seasonal changes and changes of state.	To know that our woodland is a special place for nature. To know its is important to be quiet, careful and kind when exploring nature. To know the parts of some plants including petals, leaves, trunk, branches. To know and identify the different animals found in our woodland and use the correct names to describe them insects, minibeasts, spider, snail, slug, ant, beetle, caterpillar, ladybird, woodlouse, earwig, harvestman, crane fly, fly, moth, bird, hedgehog, rabbit, fox. To know that in autumn the leaves of deciduous trees change colour and fall off, but evergreen trees do not. To know that in autumn there is less sunlight. To know that in autumn that some plants die. To know that in autumn there will be fewer animals and insects in the woodland.	Continue 'Welly Wednesday' observe and discuss autumnal changes from autumn to winter, the plants, animals and found objects.	OUTDOOR Music Area Sound CD Player Christmas songs Percussion Instruments Scarves, pom poms Ribbons and bells Construction Area Gravity / forces Lego Stickle Bricks Water Area sinking and floating Phonic ping pong balls Scissor tongs Baskets Sand Area Forces / Rocks and soils Building Site Metal digger Trucks, trowels, levels, spades, buckets, real bricks tape measures, metre stick, vests, hard hats Gravel Construction Area Forces / Rocks and soils Weight and Capacity Diggers, scoops, buckets, wheelbarrows Large wooden scales Wheeled resources and track Forces / motion / speeding up and slowing down Scooters, go-kart, tandem, rickshaw, body boards,

To talk about some things they have observed such as plants, animals, natural and found objects. To ask questions about aspects of their familiar such as the place where they live or the natural world. To ask questions about the things they have observed such as plants animals. ELG To know some similarities and differences between the natural world around them and contrasting environments and what has been read in class	To know that there are places in the world that are different to where we live. To know that polar regions are very cold and spend most of the year covered in snow. To know some animals that live there. To begin to know some similarities that polar animals share i.e many are white, some have fur, some have a thick layer of fat.	Discussing polar regions, the animals and environments through the use of the water area.	Discovery Area Features of living things and their habitats Bug hotels Minibeast identification posters Clipboards and pens Gardening equipment Trowels, rakes, forks, plant pots Aprons, gloves Magnifying glasses, bug catchers, minibeast fact cards Potion Lab INDOOR Role-Play Plants / where does food come from? Fruit and Veg shop Malleable Area Forces / changing state / reversible and irreversible changes
To talk about some things they have observed such as plants, animals, natural and found objects. To ask questions about aspects of their familiar such as the place where they live or the natural world. To ask questions about the things they have observed such as plants animals.	To know that different parts of our bodies have different names. To know the names and identify head, neck, shoulders, arms, hands, fingers and thumbs, chest, stomach, legs, feet, toes. To begin know we have five senses, sight, smell, taste, touch and hearing. To begin know that we use our eyes to see, our ears to hear, our nose to smell and our tongue to taste. To begin know we experience touch through our skin.	Continue to develop our 5 senses through practical activities such as a taste test, bonfire night videos etc.	Recipe books Ingredients Tools/rolling pins Cutters/trays Play dough Bakery - 'Little Red Hen' Construction Area Forces Writing Box Clip boards Tape measures Toolboxes Vest/gloves/goggles Fire Station Town People Stickle Bricks Water Area Floating Sinking / animals and their habitat Fine motor: Sponges, flannels for squeezing Capacity language and experimenting Polar Regions North and South Pole Animals, white rocks, iceberg, real ice Sand Area animals and their habitat - carnivore herbivore Dinosaur World Dry /Wet sand



Subject: Science - The Natural World Year group: Foundation 2 Unit of Learning:

Future Learning

In year one pupils will learn to name the external body parts and about the five senses. They will learn the names of common wild and garden plants. Pupils will learn animals can be classified into different groups (amphibian, reptile, mamma, fish, bird) and by what they eat - (carnivore, herbivore, omnivore). They will sort things in to living and non living and will learn to name the parts of a plant (petals, stem, leaves, roots, trunk, branches)

		Spring 1	
Learning Objective	Substantive knowledge	Suggested Activity	Through Provision
To understand more about growth, decay and changes over time; To explore the natural world around them; describing what they see, hear and feel whilst outside To understanding the effect of changing seasons on the natural world around them.	To know that we have four seasons. To know that it is now Winter To know that in winter the temperature is much colder. To know that in winter there may be frost because it is so cold that water freezes and turns in to ice. To know that ice melts when it gets warmer (above 0°C). To know that in winter there is less sunlight and it gets dark earlier. (but the days will start getting longer again) To know that in winter there are fewer plants so it is harder for animals to find food. To know that in winter some animals hibernate and others move to warmer places where there is more food. (migrate/migtration)	Welly Wednesday - Woodland discovery Season changes	INDOOR Malleable Area Forces / squeeze, squash, stretch play dough - Gingerbread Kitchen links to 'The Gingerbread Man' theme Construction Area Forces mechanisms Wooden dolls house Duplo Mobilo Water Area Floating and sinking Boats/people Song: Row, row, row your boat Sand area Pirate Theme Wet sand Play tray/small world Painting Area Reversible and irreversible changes Colour mixing - Powder paint: yellow, blue, then mix to make green Pastels - A wolf's head Workshop Area Materials and their properties Puppet Making Joining materials together - stick puppets and sewing a Gingerbread Man OUTDOOR

	To know that in the UK hibernating animals include, hedgehog, bats, dormouse, frogs, toads, newts and snakes To know that in winter it may snow.		Math Shed/Area Mass / comparing and classifying Scales - objects for weight/balancing Sorting objects and giving reasons for their criteria Counting objects reliably 0-20 Shapes 2D
To identify features of living things, such as animals with legs or those with wings. To understand more about growth, decay and changes over time;	To know that plants and trees are living things. To know that all plants are made up of roots stem leaves and that some have flowers petals To know that plants grow from seeds (beans) or bulbs. To know that the plant's roots will grow down and then a shoot will grow up. To know that the plant's roots and shoot will continue to grow the plant will grow leaves and possibly flowers. To know that plants need water and sunlight to grow and stay healthy.	Plant/ nurture own bean	Music Area Sound Traditional Story CD Percussion Instruments Scarves, pom poms Ribbons, claves, Construction Area Forces and mechanisms Inter Star Octons Water Area Floating and sinking Number balls Fish Nets Buckets Number song 1,2,3,4,5 Sand Area Materials / rocks and soils / particles Metal, wood and plastic containers, pans, funnels, sieves, scoops, measuring jugs Gravel Construction Area Materials / forces Building Site linked to the story: The Three Little Pigs Wheeled resources and track Forces/ speeding up slowing down/ mechanism Scooters, go-kart, tandem, rickshaw, loopies, stilts
			Discovery Area

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A be	espoke	scheme	of	learning	for	Science
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	Plants / Animals and their habitat Gardening equipment Trowels, rakes, forks, plant pots Aprons, gloves Magnifying glasses, bug catchers, minibeast fact cards Fairy Garden

Subject: Science - The N	Natural World		
Year group: Foundation 2		Unit of Learning:	
Future Learning			
can be classified into diff	· · · · · · · · · · · · · · · · · · ·		
		Spring 2	
Learning Objective	Substantive knowledge	Suggested Activity	Through Provision
To recognise some environments that are different to the one in which they live; To understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	To know that we have four seasons. To know that it is now Spring To know that in spring the temperature begins to get warmer. To know that in spring there is more sunlight and it gets dark later. To know that in spring some plants begin to grow again. To know that in spring some trees will blossom. To know that trees begin to grow leaves To know that in spring animals will be more active - we will see more on our walks To know that in spring animals may have babies and birds and insects will lay eggs	Welly Wednesday 1 - Building a habitat for a woodland creature. Look around the wood and make a collection of natural materials that can be used to create a safe warm home for a woodland creature. Welly Wednesday 2 Signs of seasonal changes Welly Wednesday 3 Feeding the birds in the school woodland and around school. Provide food, water and nesting materials YouTube clip - How to help a bird! Animal Science for Kids Welly Wednesday 4 Building a habitat for a woodland creature. Look around the wood and make a collection of natural materials that can be used to create a safe warm home for a small woodland creature. Watch the clip - How to build a twig tower - woodland activities for kids Nature Detectives (YouTube) Identifies familiar places and features. Identifies features of materials and living things.	INDOOR Malleable Area Forces / squeeze, squash, stretch Plasticine - Design and make and alien Talk about different parts and features on their Alien 3D shapes Construction Area Forces and magnetism Wooden bricks Magnetic blocks Water Area animals and their habitat / protecting the environment Sea Life Oceans Sand area Space - Solar system Outer space Dry sand Play tray/small world Space - Solar system Wooden Space Station
	To know that birds will need to build a warm safe nest for their babies and need more	Welly Wednesday 5 Number Hunt - Number recognition Finding numbers in the woodland	

food because they will use lots of energy feeding their babies. They will also need fresh water to drink/wash in

To know **new animals** are **born** e.g. **chicks**, lambs, ducklings.

To know that animals live in habitats where they can find food, shelter and be safe from predators.

To know that predators and animals that eat other animals

To know that different animals will build different homes within a habitat including nests, burrows, dens, dray, hives.

To know that a home needs to be warm and safe from predators.

To know some animals come out of hibernation e.g. hedgehogs

To know the names of some common living and non living features of woodland environment including, tree, plant, flower, leaves, blossom, stick twig, bark, grass, bench, willow den, wild flowers, minibeast, insect, etc

To know the names of some common plants, flowers, trees, animals, minibeasts

and explaining where they are e.g. on a tree, inside the willow den, next to a sign etc. Know a familiar place and describe features. Talks about the things they have observed.

Welly Wednesday What are your favourite things about nature? Create a discovery table in the woodland - in groups discuss what your favourite things about nature are; objects, smells, textures, noises, concept eg growth. Identifies familiar places and features. Develop an understanding of positional language. Talks about what they have seen.

Welly Wednesday Letter Hunt - identifying phonemes/graphemes around the school woodland.

Know a familiar place and describe features. Talks about the things they have observed

OUTDOOR

Math Shed/Area

Mass / comparing and classifying

Scales - objects for weight/balancing

Counting from a given number: forwards and back

Shapes 2D/3D

Music Area

Sound

Space song CD and Star Wars

Percussion Instruments

Scarves, pom poms

Ribbons, claves,

Construction Area

Forces and mechanisms

Duplo - Dinosaurs

Polydron

Water Area

floating and sinking / animals and their habitats

boats, people, lighthouse

Pebbles, seaweed, fish

Gravel Construction Area

Forces and mechanisms

Building Site

Trucks, diggers, trowels, levels, spades, buckets, real bricks, tape measures, metre stick, vests, hard

hats

Wheeled resources and track

Forces and mechanisms

Scooters, go-kart, tandem, signs, cones

People who help us role play

Discovery Area

Animals and their habitats / plants / mixtures / reversible and irreversible changes

Gardening equipment

Trowels, rakes, forks, plant pots

Aprons, gloves

Magnifying glasses, bug catchers, minibeast fact

Mud Kitchen

To talk about why	To know that we live on a planet called Earth.	Demonstrate the planets orbiting the sun -	
things happen and how	To know that Earth is in space and there are	school hall or outside. Talk about how planets	
things work;	other planets in space too.	have a moon, and some have more than one	
	To know that Earth and the other planets	moon?	
	are round (a sphere)	Demonstrate Earth orbiting the sun and the	
	To know that the sun is a star .	moon orbiting Earth.	
	To know that the sun gives us, light, heat		
	and helps plants to grow.	Order the planets - nearest to the furthest	
	To know that all the planets travel around	from the sun. Cut and stick activity Listen to	
	the sun. (this gives us seasons)	the Planet Song - to reinforce the correct	
	To know that Earth has a moon that travels	order. Use sequencing planet cards to create	
	(orbits) around it.	the correct order on the board.	
	To know that other planets have moons too		
	and some have more than one.	Talk about the solar system and the order of	
		the planets from the sun. Talk about what each	
		planet is like e.g. Mars is known as the red	
		planet What are the rings on Saturn made	
		of? Talks about similarities and difference	
		between different places. Begins to compare	
		different environments	
		Choose a planet Write a fact about it.	
To talk about why	To know that when we cook food it changes.	Gingerbread man experiment	
things happen and how	To know that when we cook		
things work;	biscuits/gingerbread they change from wet		
	to dry, soft to hard.		
To understand some	To know that some things soften when the		
important processes	get wet.		
and changes in the			
natural world around			
them, including the			
seasons and changing			
states of matter.			

creatures t starfish, se fish, octopu pebbles, sh	Vater Area Sea life Introduce the that live in the ocean/sea Language eahorse, dolphins, whales, tropical us, squid, seaweed, coral, rocks, ipwreck, divers Talks about and differente	•	

A bespoke scheme of learning for Science

Subject: Science - The Natural World Year group: Foundation 2 Unit of Learning:

Future Learning

In year one pupils will learn to name the external body parts and about the five senses. They will learn the names of common wild and garden plants. Pupils will learn animals can be classified into different groups (amphibian, reptile, mamma, fish, bird) and by what they eat - (carnivore, herbivore, omnivore). They will sort things in to living and non living and will learn to name the parts of a plant (petals, stem, leaves, roots, trunk, branches)

	Summer 1		
Learning Objective	Substantive knowledge	Suggested Activity	Through Provision
Explore the natural	To know that we have four seasons .	Welly Wednesday observing and discussing changes	INDOOR
world around them,		from spring to summer.	Home corner Animals and their habitat
making observations and	To know that it is now late spring		
drawing pictures of			Jungle Explorers and Jeep Malleable Area
animals and plants;	To know that in spring the temperature gets		Forces / squeeze, squash, stretch
,	warmer.		Play dough - Creating jungle creature shapes
	Wallifold.		Discovery mats links to maths
	To know that in anning them is more similable		Construction Area
	To know that in spring there is more sunlight		Forces / mechanisms
	and it gets dark later.		Garage and cars
			Road signs
	To know that in spring some plants begin to		Road workers
	grow again.		Lego
			Water Area
	To know that in spring animals will be more		Animals and their habitat
	active - we will see more on our walks		Wetlands from around the world
			River/Swamp/Marshland
	To know that in anning same enimals have		Sand area
	To know that in spring some animals have		Animals and their habitat
	babies and some birds and insects will lay		Savannah Theme
	eggs		Dry sand
			Play tray/small world
	To know that some animals will return from		Animals and their habitat
	the warmer places that they migrated to		jungle animals and landscape
	during the winter.		

Hadanakand sama	To leave the bitter white a final rate of the state of	Observe and discuss arough and door.	OUTDOOR
Understand some	To know that living things include animals,	Observe and discuss growth and decay.	
important processes	humans and plants.	To complete an experiment with food, observing the	Math Shed/Area
and changes in the		changes -growth and decay.	Mass / comparing and classifying Scales - objects for weight/balancing
natural world around	To know that all living things grow.		
them, including the			Creating repeating patterns, identify the pattern,
seasons and changing	To know that fruits and vegetables were		what comes next in the sequence?
states of matter.	_		Shapes 2D/3D
states of matter.	once part of a living thing (a plant).		Music Area Sound
	When they are picked , and no longer		
	connected to the plant they start to die.		Animal Song CD
			Percussion Instruments
	To know that after some time fruits and		Scarves, pom poms
	vegetables will decay (rot).		Ribbons, claves, shaker eggs
	1-32.35.65 11.11 4564/ (101).		Construction Area Forces and mechanisms
	To be see that do not be seen and an hands of		Stickle Bricks
	To know that decay happens when bacteria		
	breaks down parts of a living thing.		Lego
			Play people
	To know that some food can last longer by		Water Area
	treating it in special ways.		Volume and capacity / Water pressure Capacity
			Pouring and emptying a variety of different size
Know some similarities	To know that jungles, savannahs and deserts	Discuss hot climates, the jungle, savannah and the	containers
and differences	• •	desert.	Funnels, bottles, beakers, buckets
	are found in the hotter parts of the world.	Describe the differences and similarities between	Sand Area
between the natural		the jungle and the savannah.	Animals and their habitat/carnivore /herbivore
world around them and	To know jungles are hot, wet places.	The jungle and the savannan.	Dinosaur World
contrasting			Large dinosaurs, foliage, logs, wood, artificial grass
environments, drawing	To know savannahs are hot and quite dry		pebbles
on their experiences	places.		Play tray/small world
and what has been read			Animals and their habitat/ carnivore /herbivore
in class:	To know deserts are hot and very dry		Woodland Theme
in cluss,			Animals, wood, artificial grass, soil, pebbles, sticks
	places.		Gravel Construction Area
			forces and motion, speeding up and slowing down
	To know jungles are full of plants and trees .		Vehicles, ramps, pipes exploring speed and
			gradients
	To know that savannahs are mostly covered		Wheeled resources and track
	with grass.		forces and motion, speeding up and slowing down
	with grads.		Scooters, go-kart, tandem, signs, cones

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To know that jungle animals include tigers, gorillas, monkeys, snakes, crocodiles, frogs, sloths, jaguars, elephant and rhinos To know that Savanah animals include cheetahs, giraffes, elephants, lions, wildebeest, gazelles, antelopes, zebras, hyenas	Discovery Area Gardening equipment Trowels, rakes, forks, plant pots Aprons, gloves Magnifying glasses, bug catchers, minibeast fact cards Mud Kitchen Animals and their habitats / plants / mixtures / reversible and irreversible changes
To know that animals need to live in a place where they can find food and shelter. To know that animals are suited to the habitat that they live in To know that animals in hot habitats have	
ways of keeping cool. To know that animals in sandy/desert habitats are often sandy coloured to keep them safe/ camouflaged	

Subject: Science - The N	latural World		
Year group: Foundation 2		Unit of Learning:	
can be classified into diffe			
		Summer 2	
Learning Objective	Substantive knowledge	Suggested Activity	Through Provision
To explore the natural world around them, making observations and drawing pictures of animals and plants; To understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	To know that we have four seasons. To know that it is now summer To know that in summer the temperature is warm. To know that in summer there is more sunlight and it gets dark much later. To know that in summer plants are growing well and some fruits and vegetables will be ready to harvest. To know that in summer trees will be covered with green (usually) leaves. To know that in summer more babies animals might be born. To know that in summer baby animals will grow and might change To know that more animals will return from the warmer places that they visited during the winter.	Welly Wednesday 1 Go on a minibeast hunt and record what they saw on a tally chart and what its habitat was. Using ipads take a photo of the minibeast in its habitat. Welly Wednesday 2 Talk about 2 different minibeasts and discuss their similarities and differences Investigating living things in the F52 garden/school grounds. Using magnifying glasses, use a minibeast checklist to see if and where they can find the Welly Wednesday 3 Features of mini beasts, find a fact card and read to a partner. Can they find this minibeast? Where was it's habitat? Exploring outdoors using scientific equipment and recording findings mathematically.	INDOOR Home corner Animals and their habitats / plants minibeast Explorers / Garden Centre Malleable Area Materials / Forces / squash, squeeze, stretch Play dough - Creating minibeasts Play dough discovery mats - links to maths Construction Area Forces/ Small world Construction site Octons Water Area Animals and their habitat Pond Life Life cycle of a frog/duck Sand area Plants In the garden Dry soil Play tray/small world Animals and their habitat Creating minibeast habitats Minibeasts, wood, pebbles, plants, soil Workshop Area Forces Creating habitats and minibeasts using a variety of media

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To explore the natural	To know that bees, wasps, ants, beetles.	Collect and observe insects /minibeasts that	OUTDOOR
To explore the natural world around them, making observations and drawing pictures of animals and plants;	d around them, ng observations and ving pictures of als and plants; To know that insects have 6 legs, segmented bodies (2 parts) and one or two pairs of wings. To know other body-parts of minibeasts include legs body To know other body-parts of minibeasts include legs body To know other body-parts of minibeasts include legs body	Math Shed/Area Mass / comparing and classifying Scales - objects for weight/balancing Ladybird and bee activities Ordering objects and numbers Counting in 2's and 10's Music Area Sound minibeast CD Percussion Instruments Scarves, pom poms Ribbons, claves, Construction Area Forces Inter Star Stickle Bricks	
	antennae shell pedipalp (spiders) spinnerette (spiders)		Water Area Animals and their habitat/protecting the environment Under the sea theme Sea creatures, shells, pebbles, seaweed, divers Play tray/small world Animals and their habitat / carnivore herbivore
To understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	To know that all living things have a life cycle. To know that living things are born, they grow up and have babies of their own—this is a life cycle. To know that some living things have different stages in their life cycle. To know that adult butterflies lay eggs, caterpillars hatch from the eggs, then the caterpillar forms a pupa/chrysalis, after 7-10 days a butterfly comes out of the	Life cycles of frogs and butterflies Water area: Wetlands/pond/life cycles	dinosaur Land Small dinosaurs Pebbles, plants, soil, sand, artificial grass, Gravel Construction Area Materials / Forces / Rocks and soils Weight and Capacity Metal and wood containers, jugs, scoops, spades, rakes, large black buckets, wheelbarrows Wheeled resources and track Forces / speeding up and slowing down scooters, go-kart, tandem, rickshaw, body boards, loopies Discovery Area Animals and their habitat / plants gardening equipment Trowels, rakes, forks, plant pots Aprons, gloves

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pupa/chrysalis, then the butterfly lays	Magnifying glasses, bug catchers, minibeast fact
eggs of its own.	cards
	Habitat Making
To know that adult frogs lay eggs called	
frog spawn; tadpoles hatch out of the fro	g
spawn, after a few days they grow legs an	t t
their tail disappears; they can now leave	
the water and breathe on land. When the	у
become adults they will lay eggs of their	
own.	