

## Concept Progression for Science Cycle A & Cycle B

Key Scientific Concepts	EYFS	Years 1 and 2	Years 3 and 4	Years 5 and 6
Light & Seeing (Physics) Eyes See		<ul> <li>Animals, including humans (Body senses)</li> <li>Children identify parts of the human body, including eyes. They will understand that eyes enable you to see.</li> </ul>	<ul> <li>Light</li> <li>Children will learn that the sun is dangerous for eyes and that there are ways to protect our eyes.</li> </ul>	
Light & Seeing (Physics) Light			<ul> <li>Light</li> <li>Children learn that we need light to recognise things and that darkness is the absence of light.</li> <li>Children learn that light travels in straight lines and enters our eyes so we can see. (no diagram)</li> </ul>	<ul> <li>Light</li> <li>Children learn that light travels in straight lines and enters our eyes so we can see, (with diagram.)</li> <li>Explain that we see things because light travels from a light source to our eyes or from an object and then to our eyes. (Mirror diagrams.)</li> </ul>



			• To know how a prism changes a ray of light to show the spectrum.
Light & Seeing (Physics) Reflection		<ul> <li>Light</li> <li>Notice that light is reflected from surfaces, (shiny surfaces, mirrors,) (Don't do mirror diagrams.)</li> </ul>	<ul> <li>Explain that we see things because light travels from a light source to our eyes or to an object and then to our eyes. (Mirror diagrams.)</li> </ul>
Light & Seeing (Physics) Shadows		<ul> <li>Light</li> <li>Recognise that shadows are formed when the light from a light source is blocked by an opaque or translucent object.</li> <li>Find patterns in the way shadows change size.</li> </ul>	Light • Use the idea that light travels in straight lines to explain why shadows have the same shape as an object.
Investigate Materials including Rocks, Soils and Fossils (Chemistry)	<ul> <li>Everyday materials (Y1)</li> <li>Distinguish between objects and the material they are made of</li> </ul>	<ul> <li>Rocks and Soils</li> <li>Know about different types of soil.</li> </ul>	



Materials and their Functions		Identify and name differ materials.	ent	
Investigate Materials including Rocks, Soils and Fossils (Chemistry Properties	Use their senses in hands on exploration of natural materials. (3-4) Explore collections of materials with similar or different properties. (3-4) Talk about what they see, using a wide vocabulary (3- 4). Talk about the differences between materials	Describe the simple prop a variety of everyday my (hard, soft, rough and sm shiny and dull, rigid and absorbent and non-abso stretchy, elastic, transpa opaque and waterproo waterproof.) Compare and group tog variety of everyday mat the basis of their simple p properties. Recap properties of mar (wood, glass, plastic, me paper, cardboard, fabri To understand why parti materials are used for di purposes e.g. glass for a (Link to properties.)	<ul> <li>Describe, compare and group together different kinds of rocks on the basis of their appearance and simple physical properties, (hard soft rough, smooth, texture flexible, rigid, shiny, dull, transparent, opaque particle/grain size, crystalline or not,)</li> <li>Know that some rocks are durable.</li> </ul>	transparency, conductive properties, thermal
	materials			<ul><li>recover a substance from a solution</li><li>To show my understanding of</li></ul>



			materials and their properties.
Investigate Materials including Rocks, Soils and Fossils (Chemistry Change	<ul> <li>Use of Materials (NC Y2)</li> <li>To explore how materials can be changed by squashing, bending, twisting and stretching.</li> </ul>	<ul> <li>States of Matter</li> <li>Know that materials change state when they are heated or cooled and know the temperature at which this happens in degrees Celsius (°C) for water</li> <li>Understand the processes of melting, freezing, evaporation and condensation.</li> <li>Identify the part played by evaporation and condensation in the water cycle.</li> </ul>	<ul> <li>Materials and their properties</li> <li>To know what an irreversible change is and that it can form a new material.</li> <li>To understand the difference between heating and burning.</li> </ul>



Investigate Materials including Rocks, Soils and Fossils (Chemistry Alive or Dead	To identify and sort     objects/materials which are living,     dead, and things that have never     been alive.)	<ul> <li>Rocks and Soils</li> <li>Recognise that soil is made from rocks and organic material.</li> </ul>	
Investigate Materials including Rocks, Soils and Fossils (Chemistry Fossils		<ul> <li>Rocks and Soils</li> <li>Describe in simple terms how fossils are formed when things that have lived are trapped within rock.</li> <li>Explain Mary Anning's contribution to palaeontology.</li> </ul>	
Investigate Materials including Rocks, Soils and Fossils (Chemistry) States of Materials: Solids, Liquids and Gases		<ul> <li>States of Matter</li> <li>Identify solids, liquids and gases.</li> <li>Looking at their properties, (solids = fixed shape, cut or torn, liquids = pour, fit container, gases = no fixed shape, fill space.)</li> <li>Know that gases have mass.</li> </ul>	<ul> <li>Materials and their properties</li> <li>Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.</li> </ul>



	States of Matter	Materials and their
Investigate Materials including Rocks, Soils and Fossils (Chemistry Temperature and its Effects	<ul> <li>States of Matter</li> <li>Know that materials change state when they are heated or cooled and know the temperature at which this happens in degrees Celsius (°C) for water.</li> <li>Associate the rate of evaporation with temperature.</li> <li>Understand the processes of melting, freezing, evaporation and condensation.</li> <li>Identify the part played by evaporation and condensation in the water cycle.</li> </ul>	<ul> <li>properties</li> <li>To understand the terms thermal conductor and thermal insulators.</li> </ul>



Movement, Forces and Magnets Types of Forces	<ul> <li>Participate         <ul> <li>in small</li> <li>group, class</li> <li>and one-to-</li> <li>one</li> <li>discussions,</li> <li>offering their</li> <li>own ideas,</li> <li>using</li> <li>recently</li> <li>introduced</li> <li>vocabulary;</li> <li>ELG</li> </ul> </li> <li>Offer</li> <li>explanations         <ul> <li>for why</li> <li>things might</li> <li>happen ELG</li> </ul> </li> </ul>	<ul> <li>Forces and Magnets</li> <li>Identify the forces acting on objects, (pushes and pulls.)</li> <li>Notice that some forces need contact between two objects and that some forces act at a distance.</li> </ul>	<ul> <li>Forces</li> <li>To know what gravity and resistance are and identify balanced and unbalanced forces</li> <li>Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</li> </ul>
	for why things might		8



Movement, Forces and Magnets Using Forces: Pulleys, levers and gears.	•		<ul> <li>Forces</li> <li>Recognise that gear mechanisms allow a smaller force to have a greater effect</li> <li>Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</li> </ul>
Movement, Forces and Magnets Friction and Resistance	•	<ul> <li>Forces and Magnets</li> <li>Explore movement across different surfaces/friction</li> </ul>	<ul> <li>Forces</li> <li>Identify the effects of friction, that acts between moving surfaces</li> <li>Identify the effects of air resistance, water resistance and friction, that act between moving surfaces</li> </ul>



Movement, Forces and Magnets Magnetic Forces: Attraction and Repulsion	Forces and Ma Magnets of some materies of the nickel and Describe in having two Magnets of repel each Compassed magnets to determine	attract erials but ers, (iron, l cobalt) magnets as o poles. attract or n other. es use o
Electrical Circuits (Physics) Electrical Appliances and Safety	Electricity <ul> <li>Identify co appliance on electricity</li> <li>Electricity of dangerous</li> </ul>	es that run city. can be
Electrical Circuits (Physics) Electrical Components	<ul> <li>Electricity         <ul> <li>Construct series elec circuit, ide and namir parts, inclu batteries, v bulbs, swite buzzers.</li> </ul> </li> </ul>	trical symbols when entifying representing a ng its basic simple circuit in a uding diagram. wires,



Electrical Circuits (Physics) Circuits	<ul> <li>Electricity</li> <li>Identify whether or not a lamp will light in a simple series circuit based on whether or not the lamp is part of a complete loop with a battery.</li> <li>Recognise that a switch opens and closes a circuit and</li> </ul>	<ul> <li>Electricity</li> <li>Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit</li> <li>Compare and give reasons for variations in how components</li> </ul>
	associate this with whether or not a lamp/bulb lights in a simple circuit.	function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches
Electrical Circuits (Physics)	Electricity	
Inculators and	Recognise some	
Insulators and	common conductors and insulators and	
Conductors	associate metals with	



			being good conductors.	
Sound (Physics) Vibrations make sound	Types of Sound.		<ul> <li>Sound</li> <li>Identify how sounds are made by vibrations.</li> <li>Recognise that vibrations from sounds travel through a medium to the ear.</li> </ul>	
Sound (Physics) Hearing	Perform songs, rhymes, poems and stories with others, and – when appropriate try to move in time with music. ELG	<ul> <li>Animals, including humans (Body senses)</li> <li>Identify, name, draw and label the basic parts of the human body.</li> <li>Name the part of the body associated with each sense covering sight, hearing, touch, taste, feel.</li> </ul>	Sound • How we hear.	
<mark>Sound (Physics)</mark> Pitch	Perform songs, rhymes, poems and stories with others, and – when		Sound • High notes are made by short lengths/tight objects whereas	



	appropriate try to move in time with music. ELG	low notes are made by long lengths/loose objects.	
Sound (Physics) Volume	Perform songs, rhymes, poems and stories with others, and – when appropriate try to move in time with music. ELG	Sound • The harder you hit an object, the louder the sound. Gentle strikes make quieter sounds.	
Sound (Physics) Sound and distance		<ul> <li>Sound</li> <li>Recognise that sounds get fainter when the distance from the sound source increases.</li> <li>Identify aspects of science used within particular jobs or roles, (Alexander Bell and the telephone.)</li> </ul>	



Sound (Physics) Soundproofing		<ul> <li>Materials with air pockets such as sponge or bubble wrap insulate against sound. (Soundproofing.)</li> </ul>	
Understanding Evolution and Inheritance Human Life Cycle: Inheritance and Variation	<ul> <li>Animals, including humans (Y2)</li> <li>Notice that animals, including humans, have offspring which grow into adults.</li> </ul>		<ul> <li>Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents in the context of inheritance</li> </ul>



Understanding Evolution and Inheritance Adaption and Evolution	Living things and their habitats <ul> <li>Describe how animals are suited to different habitats.</li> </ul>	<ul> <li>Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</li> <li>Identify how adaptation may lead to evolution by examining the theories of evolution constructed by Darwin and Wallace.</li> <li>Identify the advantages and disadvantages the role of human intervention has</li> </ul>



Understanding Evolution and Inheritance Fossils and Fossilisation		<ul> <li>Rocks and Soils</li> <li>Describe in simple terms how fossils are formed when</li> </ul>	Living Things – Evolution and Inheritance • Recognize that living things have
		<ul> <li>things that have lived are trapped within rock.</li> <li>Explain Mary Anning's contribution to palaeontology.</li> </ul>	changed over time and that fossils provide information about living things that inhabited the



			Earth millions of years ago.
Understand the Earth's Movement in Space (Physics)	Use all their senses in hands on exploration of natural materials. 3-4	<ul> <li>Seasons – Autumn</li> <li>There are 4 seasons. Winter, Spring, Summer and Autumn.</li> <li>Explore local environment. Describe the changes, e.g.</li> </ul>	
Seasonal Change	Say what they can see, hear and feel when outside. R Explore the natural world around them. R Understand the effects of the changing seasons on the world around them.R Understand some important processes and	<ul> <li>colours changing etc, changing weather conditions.</li> <li>Identify and name a variety of deciduous and evergreen trees. (Plants Y1)</li> <li>To observe signs of Autumn.</li> <li>To observe signs of Winter.</li> <li>To compare and observe patterns of weather during Winter.</li> <li>To observe signs of Spring</li> <li>To compare and observe patterns of weather during Spring.</li> <li>To observe signs of Summer.</li> <li>Compare season of Summer to previous knowledge of seasons, including the weather.</li> </ul>	



	changes in the natural world around them, including the seasons and changing states of matter. (ELG)			
Understand the Earth's Movement in Space. (Physics) Day Length		<ul> <li>Seasons – Summer</li> <li>Seasonal patterns - changes in the length of a day. The length of the day is shorter in winter and longer in summer.</li> </ul>		<ul> <li>Space</li> <li>To understand why the length of day and night changes during the year.</li> </ul>
Understand the Earth's Movement in Space (Physics) Movement of Earth, Sun and Moon.			<ul> <li>Light</li> <li>Recognise that shadows are formed when the light from a light source is blocked by an opaque or translucent object.</li> <li>Find patterns in the way shadows change size over a day.</li> </ul>	<ul> <li>Space</li> <li>To know the movements of the earth, moon and sun.</li> <li>To understand how the earth faces the sun at different times of the day.</li> </ul>



Understand the Earth's Movement in Space. (Physics) Size of Spherical Bodies			<ul> <li>Space</li> <li>To understand the size differences between the earth, moon and sun and that they are spherical bodies.</li> <li>To know the different phases of the moon.</li> <li>To know the names of the planets.</li> <li>To know the order of planets</li> </ul>
Understanding Animals and Humans, (Biology) Structure and Function of the Human Body.	<ul> <li>Animals, including humans (Body senses)</li> <li>Identify, name, draw and label the basic parts of the human body.</li> <li>Name the part of the body associated with each sense covering sight, hearing, touch, taste, feel.</li> </ul>	Nutrition and the Skeleton Identify that humans have skeletons and muscles for support, protection and movement. Identify and name bones.	<ul> <li>Animals including Humans (Y6)</li> <li>Identify main parts of the circulatory system</li> <li>Identify main functions of the circulatory system</li> </ul>



<ul> <li>Identify and explain the three main functions of a skeleton.</li> <li>Know why we need muscles to move.</li> <li>Teeth and Digestion</li> </ul>	To describe and explain how nutrients are transported within animals including humans.
<ul> <li>Identify and name parts of the human digestive system: tongue, teeth, oesophagus, stomach, small and large intestines, liver, pancreas and rectum.</li> <li>Explain the functions of the digestive system.</li> <li>Identify the types and functions of teeth: incisors bite, canines rip and tear, premolars and molars grind.</li> </ul>	



Understanding Animals and Humans, (Biology)	Be increasingly independent in	Animals, including humans (Y2)	<ul> <li>Understand the causes of tooth decay.</li> <li>Know how to look after your teeth.</li> <li>Nutrition and the Skeleton</li> </ul>	Covered in PSHE • Recognise the
Staying Healthy	meeting their own care needs, eg brushing teeth, using the toilet, washing and drying hands thoroughly. (3- 4) Make healthy choices about food, drink, activity and tooth brushing. (3-4) Know and talk about different factors that support their overall health	<ul> <li>Understand the importance of staying healthy through hygiene, diet and exercise. (taught with bodies and senses unit)</li> <li>Find out about and describe the basic needs of animals, including humans, for survival. (water, food and air)</li> <li>Learn the 3 basic needs of animals for survival, including how to look after pets.</li> <li>The importance of healthy life-styles, including healthy food, hygiene and exercise. (taught with bodies and senses unit)</li> </ul>	<ul> <li>Recap that animals, including humans, cannot make their own food; they get nutrition from what they eat.</li> <li>Explain how living things obtain food.</li> <li>State why animals, including humans, need the right type and the right amount of nutrients.</li> </ul>	<ul> <li>impact of diet, exercise, drugs and lifestyle on the way their bodies function.</li> <li>Recognise the negative effect of substances on body e.g. drugs, alcohol, sugar, salt.</li> <li>Recognise the positive effects of doing exercise and eating healthily on body.</li> </ul>



	and well-being -regular physical exercise, healthy eating, tooth brushing, sensible amounts of 'screen time', having a good sleep routine, being a safe pedestrian. (R).		
Understanding Animals and Humans, (Biology) Human Change		<ul> <li>Animals, including humans (Y2) <ul> <li>Notice that humans, have offspring which grow into adults.</li> <li>Explore how animals change as they grow up, including humans.</li> <li>Learn the life-cycle of animals and a human.</li> </ul> </li> <li>Animals, including humans (Y2)</li> </ul>	<ul> <li>Covered in PSHE</li> <li>Describe the changes as humans develop to old age by drawing a timeline to indicate stages in the growth and development of humans.</li> <li>To describe the</li> </ul>
		<ul> <li>Explore how animals change as they grow up.</li> </ul>	<ul> <li>To describe the changes as humans develop</li> </ul>



		Learn the life-cycle of animals.		<ul> <li>to old age in the context of the development of babies in their first year.</li> <li>To describe the changes as humans develop to old age by comparing the changes that take place to boys and girls during puberty.</li> <li>To describe the changes as humans develop to old age by understanding the changes that take place to boys and girls during puberty.</li> </ul>
Understanding Animals and Humans, (Biology) Vertebrates Structure and Function	Explore the natural world around them, making observations and drawing pictures of	<ul> <li>Animals, including humans (NC Y1)</li> <li>Name common animals including fish, amphibians, reptiles, birds and mammals.</li> <li>Describe and compare the structure of a variety of</li> </ul>	Nutrition and the Skeleton • Identify that some animals have skeletons and muscles for support,	•



	animals and plants; (ELG)	common animals including fish, amphibians, reptiles, birds and mammals. • Look at animal young and compare them to their adults.	<ul> <li>protection and movement.</li> <li>Identify and explain the three main functions of a skeleton.</li> <li>Teeth and Digestion</li> <li>Look at other animal's teeth.</li> </ul>	
Understanding Animals and Humans, (Biology) Food Chains		<ul> <li>Living things and their habitats (cold habitats)</li> <li>Describe how animals obtain their food from plants and other animals in order to survive. (food chains)</li> </ul>	Nutrition and the Skeleton • Compare animals by their diet.	
Living Things and their Habitats. (Biology) Environments	Talk about what they see, using a wide vocabulary (3- 4). Explore the natural world around them. (R)	<ul> <li>Living things and their habitats</li> <li>Name different animals in specific environments.</li> <li>Describe how animals are suited to different habitats.</li> </ul>		



Say what they see, hear and feel when outside. (R). Describe their immediate environment using knowledge from observation, discussion, stories, non- fiction texts and maps; (ELG) Explore the natural world around them, making observations and drawing pictures of		



	Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class; (ELG)		
<mark>Living Things and their</mark>	Explore the	Living Things and their	Living things and their
Habitats. (Biology)	natural world	Habitats	habitats (Y6)
	around them,	<ul> <li>Recognise that</li> </ul>	
Classification/Similarities	making	living things can	Identify the
and Differences.	observations	be grouped in a	characteristics of
	and drawing	variety of ways.	different types of
	pictures of	<ul> <li>Explore and use</li> </ul>	<ul><li>animals.</li><li>Describe how</li></ul>
	animals and	classification keys	
	plants; (ELG)	to help group,	living things are classified into
	Kinani kanan	identify and	broad groups
	Know some	name a variety of	according to
	similarities and differences	living things in	common
	between the	their local,	observable
	Derween me	(Wicksteed Park)	characteristics
		and wider	Characteristics



	natural world around them.		environment, Sywell Park, including woodland, grassland and a pond.)	<ul> <li>and based on similarities and differences, including microorganisms, plants and animals by grouping organisms found in the local habitat.</li> <li>To understand the Linaean system for classification.</li> </ul>
Living Things and their Habitats. (Biology) Food Chains		<ul> <li>Animals, including humans (Y2)</li> <li>Find out about and describe the basic needs of animals, including humans, for survival. (water, food and air)</li> <li>Living things and their habitats (hot habitats)</li> <li>Describe how animals obtain their food from plants and other animals, using the idea</li> </ul>	Living Things and their Habitats • Construct and interpret a variety of food chains, identifying producers, consumers, predators and prey, in parkland, wooded areas and ponds.	



		<ul> <li>of a simple food chain, and identify and name different sources of food.</li> <li>Identify and name a variety of common animals that are carnivores, herbivores and omnivores.</li> <li>To use simple food chains to describe the relationship</li> </ul>	<ul> <li>Understand food chains and the role of different plants and animals within them, in parkland, wooded areas and ponds.</li> </ul>	
Living Things and their	Understand the	between animals and plants. Animals including Humans (Y2)	Living Things and their	Living Things – Life
Habitats. (Biology) Reproduction and Life Cycles	key features of the life cycle of a plant and an animal (3-4). (Butterfly)	<ul> <li>Life cycle of animal e.g. frog.</li> <li>Life cycle of a plant- e.g. oak, apple, sycamore or Silver Birch tree.</li> <li>To identify the behaviours of animals (life-cycles) during Spring, Frog life cycle)</li> </ul>	Habitats • Observe plant/tree life cycles in the park.	<ul> <li>cycles of mammals and plants</li> <li>The life process of reproduction in some plants and animals by exploring sexual reproduction in plants.</li> <li>The life process of reproduction in some plants</li> </ul>



	<ul> <li>and animals by exploring asexual reproduction in plants.</li> <li>The life cycle of a mammal by exploring the life cycles of mammals in different habitats.</li> <li>The life process of reproduction in some plants and animals by describing sexual reproduction in mammals.</li> <li>The life process of reproduction in mammals.</li> <li>The life process of reproduction in some plants and animals by exploring Jane Goodall's work with chimpanzees.</li> </ul>
	Describe the     differences in the



		life cycles of an amphibian, (newt) and an insect (dragonfly) by exploring complete and incomplete metamorphosis. • Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird by describing and Compare different life cycles, including birds.
Living Things and their Habitats. (Biology)		Living things and their habitats (Y6)
Micro-organisms		To describe and investigate
		helpful and harmful micro- organisms.



Living Things and their	<ul> <li>Begin to</li> </ul>		Living Things and their	
Habitats. (Biology)	understand		Habitats	
	the need to		Recognise that	
Environmental Change	respect and		environments can	
Littlionniciliai change	care for the		change and that	
	natural		this can	
	environment			
			sometimes pose	
	and all living		dangers to living	
	things (3-4).		things by	
			identifying	
			changes and	
			dangers in the	
			local habitat.	
			Know the	
			positives of	
			nature reserves,	
			parks, ponds and	
			the negatives of	
			development,	
			traffic and litter.	
Living Things and their	Understand	Seasons - Autumn		
Habitats. (Biology)	the effect of	• There are 4 seasons. Winter,	change in plant	
	the	Spring, Summer and Autumn.	stages over the	
Seasonal Change	changing	Seasons – Summer	year and the	
	seasons	<ul> <li>Explore local environment.</li> </ul>	changes in the	
	around	Describe the changes, e.g.	environment.	
	them. (R).	colours changing etc,		
	<ul> <li>Understand</li> </ul>	changing weather conditions.		
	some			



	important processes and changes in the natural world around them, including the seasons and changing states of matter (ELG) • Understand	<ul> <li>Identify and name a variety of deciduous and evergreen trees. (Plants Y1)</li> <li>To observe signs of Autumn/Winter/Spring/Summer</li> <li>To compare and observe patterns of weather during each season.</li> <li>To understand how animals source their food during Autumn. (e.g. squirrels/hedgehogs hibernation)</li> <li>Seasonal patterns - changes in the length of a day. The length of the day is shorter in winter and longer in summer.</li> </ul>		
Investigate Living Things/Plants Plant Variety	Explore the natural world around them. (R) Say what they see, hear and feel when outside. (R).	<ul> <li>Plants</li> <li>Identify common plants and trees in the garden and in the wild.</li> <li>Identify deciduous and evergreen trees.</li> </ul>	Plants <ul> <li>Look at a range of plants and know that some are flowering, (including grasses) and some are non- flowering.</li> </ul>	



Explore the natural world around them, making observations and drawing pictures of animals and plants; (ELG)		
Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class; (ELG)		



Investigate Living Things/Plants Structure/Function	Identify the main parts of a flowering plant eg flower, stem, root and leaf.	Plants <ul> <li>Identify the main parts of a flowering plant and tree.</li> </ul>	<ul> <li>Plants</li> <li>Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers by labelling the parts of a plant.</li> <li>Know how water is transported in plants. Know plants can make food.</li> <li>Know the parts that flowers play in the life cycle of flowering plants, including pollination</li> </ul>	Living Things – Life cycles of mammals and plants • Identify and describe the functions of different parts of flowering plants: stigma, style, ovary, ovules,
Investigate Living Things/Plants Growth	<ul> <li>Plant seeds and care for growing</li> </ul>	<ul> <li>Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. (Seed germination.)</li> </ul>	Plants <ul> <li>Understand that         plants need air,             light, water,             nutrients from soil             and room to     </li> </ul>	



	plants (3- 4).		grow. (Plant growth) • Know that plants vary in their needs.	
Investigate Living Things/Plants Life Cycles	<ul> <li>Down the Bottom of the Garden</li> <li>Understand the key features of the life cycle of a plant and an animal (3-4). (Butterfly)</li> </ul>	<ul> <li>Plants</li> <li>Recap lifecycle of a tree <ul> <li>Observe and describe how seeds and bulbs grow into mature plants.</li> </ul> </li> </ul>	<ul> <li>Know the parts that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.</li> </ul>	Living Things – Life cycles of mammals and plants • The life process of reproduction in some plants by exploring sexual reproduction in plants. • The life process of reproduction in some plants by exploring asexual reproduction in plants.
Investigate Living Things/Plants	Begin to     understand     the need to     respect and		Plants     Care and respect     plants and living     things	
Care and Respect	respect and care for the		things.	



natural environment		
and all living things (3-4).		
•		