ERITARY SCHOOL	Cycle	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1/2	A	Living things and their habitats Identify that most living things live in habitats to which they are suited Describe how different habitats provide for basic needs of different kinds of animals and plants, and how they depend on each other Identify and name a variety of plants and animals in their habitats, including microhabitats Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain Identify and name different sources of food Explore and compare the differences between things that are living, dead, and things that have never been alive		Plants Identify and name a variand garden plants, incluevergreen trees Identify and describe the variety of common flow including trees Observe and describe he grow into mature plants Find out and describe he water, light, and a suital grow and stay healthy	e basic structure of a ering plants, ow seeds and bulbs	Animals including humans Identify and name a variety of common animals including, fish, amphibians, reptiles, birds and mammals Identify and name a variety of common animals that are carnivores, herbivores and omnivores Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets)	Seasonal Changes Observe changes across the 4 seasons Observe and describe weather associated with the seasons and how day length varies
	Steve to Investion What to Design Mini-b Compa	friends can we find for a habitat for Steve. seast hunt-have the are findings.					

В	Everyday materials	Being Scientists	Animals including	Animals including
	Distinguish between an object and the	Asking simple questions and recognising that	humans	humans
	material from which it is made	they can be answered in different ways	Identify, name, draw	Understand that
			and label the basic	animals, including
	Identify and name a variety of everyday	Performing simple tests	parts of the human	humans have offspring
	materials, including wood, plastic, glass,		body and say which	which grow into adults
	metal, water, and rock	Pushes, pulls and their effects	part of the body is	
			associated with each	Describe the basic
	Describe the simple physical properties of	How things move	sense.	needs of animals,
	a variety of everyday materials			including humans, for
		How forces can change		survival (water, food
	Compare and group together a variety of			and air)
	everyday materials on the basis of their	How things move		
	simple physical properties			Describe the
		Making forces bigger		importance for
	Identify and compare the suitability of a			humans to exercise,
	variety of everyday materials, including	Forces change shapes		eating the right
	wood, metal, plastic, glass, brick, rock,			amounts of different
	paper and cardboard for different uses			types of food and
				hygiene
	Compare how things move on different			
	surfaces.			
	Find out how the shapes of solid objects			
	made from some materials can be changed			
	by squashing, bending, twisting and			
	stretching			

Fairy Garden- Which flowers will make the forest look the nicest?

Why would fairies like different flowers?

Design a fairy forest.

Make and plant the fairy forest.

Maintain the forest- what do you have to do to look after the plants?

Evaluate the gardens- Which do you think the fairies liked the most and why?

3/4	Humans	C			Plants
		Compare and group	Recognise that living	Identify that animals,	Identify and describe
	Describe the	materials together,	things can be grouped	including humans,	the functions of
	simple functions	according to whether	in a variety of ways	need the right types	different parts of
	of the basic parts	they are solids, liquids		and amount of	flowering plants:
	of the digestive	or gases	Explore and use	nutrition, and that	roots, stem/trunk,
	system in		classification keys to	they cannot make	leaves and flowers
	humans	Observe that some	help group, identify	their own food; they	
		materials change state	and name a variety of	get nutrition from	Explore the
	Identify the	when they are heated	living things in their	what they eat	requirements of plants
	different types of	or cooled, and	local and wider		for life and growth
	teeth in humans	measure or research	environment	Identify that humans	(air, light, water,
	and their simple	the temperature at		and some other	nutrients from soil,
	functions	which this happens in	Recognise that	animals have	and room to grow)
		degrees Celsius (°C)	environments can	skeletons and muscles	and how they vary
	Construct and		change and that this	for support,	from plant to plant
	interpret a	Identify the part	can sometimes pose	protection and	
	variety of food	played by evaporation	dangers	movement	
	chains,	and condensation in			
	identifying	the water cycle and			
	producers,	associate the rate of			
	predators and	evaporation with			
	prey	temperature			

Bug Supermarket.

Predictions and checking local area for different minibeasts.

Research what they need to survive.

Change of season- what will change outside?

Design Mini-Beast Hotels.

Fruit flies on different colours card- picking the correct colour.

Make the hotel.

В	Rocks	Forces and Magnets	Sound	Light	Electricity
	Compare and	Compare how things	Identify how sounds	Recognise that	Identify common
	group together	move on different	are made, associating	he/she needs light	appliances that run on
	different kinds of	surfaces Notice that	some of them with	in order to see	electricity
	rocks on the basis	some forces need	something vibrating	things and that	
	of their	contact between two		dark is the absence	Construct a simple
	appearance and	objects, but magnetic	Recognise that	of light	series electrical circuit,
	simple physical	forces can act at a	vibrations from		identifying and
	properties	distance	sounds travel through	Notice that light is	naming its basic parts,
			a medium to the ear	reflected from	including cells, wires,
	Describe in	Compare and group	Find patterns between	surfaces	bulbs, switches and
	simple terms how	together a variety of	the pitch of a sound		buzzers
	fossils are formed	everyday materials on	and features of the	Recognise that light	
	when things that	the basis of whether	object that produced	from the sun can	Identify whether or
	have lived are	they are attracted to a	it	be dangerous and	not a lamp will light in
	trapped within	magnet Identify some		that there are ways	a simple series circuit,
	rock	magnetic materials	Find patterns between	to protect eyes	based on whether or
			the volume of a sound		not the lamp is part of
	Recognise that	Describe magnets as	and the strength of	Find patterns in the	a complete
	soils are made	having two poles	the vibrations that	way that the size of	
	from rocks and	Predict whether two	produced it	shadows changes	
	organic matter	magnets will attract or			
		repel each other,	Recognise that sounds		
		depending on which	get fainter as the		
		poles are facing	distance from the		
			sound source		
			increases		

Manage the Meadow.

Looking at overgrown areas around the school- what currently lives there?

Tally different species of plants and minibeasts.

Plan a meadow- what would you include to attract different types of wildlife?

Investigation to see how hard-wearing different plants can be.

Evaluate and share ideas.

Letter to governors- what should we plant around the school and why?

Year	Α	Forces	Electricity	Properties and	Light	Living things
5/6		Explain that	Associate the	Changes of materials	Recognise that light	and habitats
		unsupported	brightness of a lamp	Compare and group	travels in straight	Describe the life process of reproduction in
		objects fall	or the volume of a	together everyday	lines	some plants and animals
		towards the	buzzer with the	materials on the basis		
		earth because of	number and voltage of	of their properties,	Use the idea that	Describe the differences in the life cycles of a
		the force of	cells used in the circuit	including their	light travels in	mammal, an amphibian, an insect and a bird
		gravity acting		hardness, solubility,	straight lines to	
		between the	Compare and give	transparency,	explain that objects	
		earth and the	reasons for variations	conductivity and	are seen because	
		falling object	in how components	response to magnets	they give out or	
		_	function, including the		reflect light into	
		Recognise that	brightness of bulbs,	Recognise that some	the eye	
		Some	the loudness of	materials will dissolve		
		mechanisms,	buzzers and the on/off	in liquid to form a	Explain that we see	
		including levers,	position of switches	solution, and describe	things because	
		pulleys and gears,		how to recover a	light travels from	
		allow a smaller	Use recognised	substance from a	light sources to our	
		force to have a	symbols when	solution	eyes or from light	
		greater effect	representing a simple circuit in a diagram	Use knowledge of	sources to objects and then to our	
		Identify the	Circuit in a diagram	solids, liquids and		
		effects of air		gases to decide how	eyes	
		resistance, water		mixtures might be	Use the idea that	
		resistance and		separated, including	light travels in	
		friction that act		through filtering,	straight lines to	
		between moving		sieving and	explain why	
		surfaces		evaporating	shadows have the	
				- 26-1-1-10	same shape as the	
					objects that cast	
					them	
	Longit	udinal Study	L	L	<u> </u>	

Are we all under the same sky?

They will make use of first hand and photographic evidence to analyse the phases of the moon, light pollution, and star charts and constellation change.

They will make use of a range of equipment to take accurate measurements of shadows, daylight hours, and moon and tide comparatives.

В	Earth and Space	Animals	Living Things and	Properties and	Evolution and
	Describe the	including	Their Habitats	Changes of	inheritance
	movement of the	Humans	Describe how living	materials	Recognise that living things have changed over
	earth, and other	Describe the ways in	things are classified	Give reasons, based	time and that fossils provide information about
	planets, relative	which nutrients and	into broad groups	on evidence from	living things that inhabited the Earth millions of
	to the sun in the	water are transported	according to common	Comparative and	years ago
	solar system	within animals,	observable	fair tests, for the	
		including humans	characteristics and	particular uses of	Recognise that living things produce offspring of
	Describe the		based on similarities	everyday materials,	the same kind, but normally offspring vary and
	movement of the	Identify and name the	and differences,	including metals,	are not identical to their parents
	moon relative to	main parts of the	including	wood and plastic	
	the earth	human circulatory	microorganisms,		Identify how animals and plants are adapted to
	_ ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	system, and describe	plants and animals	Demonstrate that	suit their environment in different ways and
	Describe the sun,	the functions of the		dissolving, mixing	that adaptation may lead to evolution
	earth and moon	heart, blood vessels	Give reasons for	and changes of	
	as approximately	and blood	classifying plants and	state are reversible	
	spherical bodies	December the immed	animals based on	changes	
	Use the idea of	Recognise the impact of diet, exercise, drugs	specific characteristics	Evalain that same	
	the earth's	and lifestyle on the	Characteristics	Explain that some changes result in	
	rotation to	way their bodies		the formation of	
	explain day and	function		new materials, and	
	night and the	Tunction		that this kind of	
	apparent			change is not	
	movement of the			usually reversible,	
	sun across the			including changes	
	sky			associated with	
	,			burning and the	
				action of acid on	
				bicarbonate of soda	
Longit	tudinal Study				

Do we all start and end life in the same way?

Measuring groups of children throughout the school year and at the end of the year.

Compare the growth of the children. Link to work completed in Reception.