

Portfields Primary School Medium Term Plan

* Annany school	Year Group – 2 Subject	- Science Strand – Topi	c - Living Things an	<u></u>	tats	Term – Spring 2	ARY SCHOOL
National Curriculum		Key Questions		Substantive	Knowledge	Key Vocabulary	Real-Life Links
 Pupils should be taught to: explore and compare the differences between that are living, dead, and things that have rebeen alive identify that most living things live in habitat which they are suited describe how different habitats provide for the needs of different kinds of animals and plan how they depend on each other identify and name a variety of plants and are their habitats, including microhabitats describe how animals obtain their food from and other animals, using the idea of a simple chain, and identify and name different source food. 	How are habitats suita the basic onts, and on plants in plants le food ces of	d animals live? able? able in our forest school environment?		Different animals and plants live in different places. Living things depend on each other to survive in different habitats.		Living, dead, never alive, minibeasts, food, food chai woodland, ocean, rainfores desert, arctic, conditions, d damp, shade, survive, dependency.	t, Forest school esert, Homes
Notes and guidance (non-statutory		Technical Questions					
Pupils should be introduced to the idea that all things have certain characteristics that are esse	ential for All living things do certain thing			B'- dalla -	War and a day	To the facility and the	
keeping them alive and healthy. They should ra answer questions that help them to become far the life processes that are common to all living Pupils should be introduced to the terms 'habita natural environment or home of a variety of pla animals) and 'micro-habitat' (a very small habita example for woodlice under stones, logs or leaf They should raise and answer questions about the environment that help them to identify and study variety of plants and animals within their habitate observe how living things depend on each other example, plants serving as a source of food and for animals. Pupils should compare animals in familiar habitate animals found in less familiar habitates, for example the seashore, in woodland, in the ocean, in the rainforest. Pupils might work scientifically by: sorting and of things according to whether they are living, dead never alive, and recording their findings using the things, exploring questions for example: 'Is a flat is a deciduous tree dead in winter?' and talk about of answering their questions. They could construct simple food chain that includes humans (e.g. grand human). They could describe the conditions in the habitats and micro-habitats (under log, on stone under bushes) and find out how the conditions number and type(s) of plants and animals that	are called life processes. What are the 7 life processes. What are the 7 life processes. What does living mean? Living means an organism that What does dead mean? Dead means an organism that What does dead mean? Dead means an organism was never ats with apple, on What does non-living mean A non-living organism was never ats with apple, on What is a habitat? A habitat is a place where anim What is a micro-habitat? Some habitats are very small; we stony path. What is a food chain? A food chain shows how each a depend on each other to stay and depen	Animals, including humans, do these things. Plant do too although they do them in different ways. These are called life processes. What are the 7 life processes? MRS GREN: Movement, respiration, sensitivity, growth, reproduction, excretion, nutrition. What does living mean? Living means an organism that is currently able to carry out all 7 life processes What does dead mean? Dead means an organism that used to perform the 7 life processes, but no longer does. What does non-living mean? A non-living organism was never alive doesn't carry out the 7 life processes and has never done them. What is a habitat? A habitat is a place where animals and plants live, where they can find everything they need to stay alive. What is a micro-habitat? Some habitats are very small; we call these microhabitats, these can be under a log, under bushes, on a stony path. What is a food chain? A food chain shows how each animal gets its food. Food chains are one of the ways that living things depend on each other to stay alive.		Disciplinary Knowledge Sort and classify things according to whether they are living, dead or never alive. Record findings on a chart. Construct a simple food chain. Describe conditions in different habitats and micro-habitats, research how the conditions affect the number of plants & animals that live there.		Technical Vocabula Habitats, micro-habitats, E survey, Life process, living living, dead, never alive, movement, respiration, sensitivity, growth, reproduction, excretion, no Food chain, consumer, pro predator, prey, herbivore, carnivore, omnivore.	Enquiry, g, non- David Attenborough – Life in the undergrowth. https://www.youtube.com/watch?v=kIO4W8el7Fk Butrition. Boducer,
			<u>reakdown</u>	T			
Lesson 1	Lesson 2	Lesson 3	Lesson 4			Lesson 5	Lesson 6
	<u>_earning Objective</u> O: To identify and name a variety of	<u>Learning Objective</u> LO: To identify and name a variety of	<u>Learning Objective</u> LO: To identify that most live		Learning Objectiv		<u>Learning Objective</u> LO: To use a simple food chain to describe

<u>Lesson 1</u>	Lesson 2	<u>Lesson 3</u>	<u>Lesson 4</u>	<u>Lesson 5</u>	<u>Lesson 6</u>
<u>Learning Objective</u>	<u>Learning Objective</u>	<u>Learning Objective</u>	<u>Learning Objective</u>	<u>Learning Objective</u>	<u>Learning Objective</u>
LO: To explore and compare the	LO: To identify and name a variety of	LO: To identify and name a variety of	LO: To identify that most living things live	LO: To identify how an animal is suited to	LO: To use a simple food chain to describe
differences between things that are living,	plants and animals in their habitats.	plants and animals in their habitats,	in habitats to which they are suited.	its habitat and how living things depend on	how animals obtain their food from plants
dead, and things that have never been		including micro-habitats.	(Rainforest, ocean, arctic, desert).	each other.	and other animals.
alive.	Success Criteria			(Rainforest, ocean, arctic, desert).	
		Success Criteria	Success Criteria		Success Criteria

Success Criteria

I can compare the differences between things that are living, dead and have never been alive.

I can answer questions about things that are living, dead or have never been alive.

Star Knowledge

Life processes: All living things do certain things to stay alive.

Animals, including humans, do these things. Plant do too although they do them in different ways.

7 life processes –

MRS GREN: Movement, respiration, sensitivity, growth, reproduction, excretion, nutrition.

A living organism is an organism that is currently able to carry out all these processes, a dead organism used to perform the processes, but no longer does, a non-living, an organism that was never alive doesn't carry them out and has never done them.

I can record or suggest which animals live in a specific habitat in the local environment (Forest school).

I can sort given objects into categories and give reasons for my choice.

I can classify objects as those that are living, dead and those that have never been alive within forest school.

Star Knowledge

Habitat: A habitat is a place where animals and plants live, where they can find everything they need to stay alive.

Humans are unique because we can make big changes to our habitats to make sure we have everything we need. I can identify animals in their habitats. I can use information I have gathered to answer a question.

Star Knowledge

Microhabitats: Some habitats are very big, like a woodland. Some habitats are very small; we call these microhabitats.

A large habitat contains many microhabitats.

A microhabitat can be as small as a fallen branch or the space under a stone.

Minibeasts: A minibeast is a small creature like an insect, a worm or a spider. Many different minibeasts live in many different microhabitats.

I can describe a habitat and identify animals live in it.

I can ask and answer questions about habitats.

I can describe the conditions of a habitat.

Star Knowledge

<u>Conditions:</u> Each habitat has different conditions such as the amount of light, the temperature and the amount of moisture.

Survive: animals/plants have to live somewhere that has the right conditions to help them stay alive and well. Different animals and plants all have special ways to survive in their special habitats. All of them have special features that help them to survive in their habitat.

Success Criteria

I can identify the needs of different plants and animals.

I can explain how living things in a habitat depend on each other.

I can suggest how an animal survives in its habitat.

Star Knowledge

Dependency: Living things in a habitat **depend** on each other. This means they need each other to stay alive.

I can describe how animals get their food I can name some sources of food.
I can give examples of carnivores, herbivores and omnivores.
I can order living things in a food chain.

Star Knowledge

Producer: Each food chain starts with a green plant. Green plants are called producers because they produce their own food

Consumer: All animals are called consumers because they consume their food by eating plants and other animals. **Predator:** Animals that eat other animals are called predators.

Prey: The animals that predators eat are called prey.

Assessment Statements

Working At

- Explain some of the life processes.
- Ask questions to decide if a thing is living, dead or has never been alive.
- Identify some plants and animals in global habitats.
- Draw a map of a local habitat.
- Sort objects into categories and give reasons for their choices.
- Identify and name minibeasts in microhabitats.
- Gather and record information.
- Suggest how an animal is able to survive in their habitat.
- Answer questions about habitats they have researched.
- Explain why the animals in a habitat need the plants.
 Draw a simple food chain.