

# **Long Term Plan for Science**

# **Havannah First School Science Topic Coverage**

	Magnificent Me!	Celebrations/Space	Winter and the Polar	Farm	Marvellous Minibeasts	Traditional Tales
	Our World	Bonfire Night	Regions	Animals		Seaside
	Starting school / my	Diwali		Easter	Growth	Pirates
<b>D</b>	new class	Space	Winter		Minibeasts	
R	All about me	Christmas	Antarctica			
	Birthdays	Day/Night – People	Chinese New Year		Fairies/knights/fantasy	
	Halloween	who help us	Superheroes			
	PSED focus -					
	relationships/feelings					
		Animals, including				
		humans (short				
	Plants	block)	Seasonal Change	Animals, including	Plants/ Animals,	Everyday Materials
	Which plants would Little	•	Why is it always cold in	Humans	including Humans	What does Beegu
	Red Riding Hood see on	How well do you	Winter?	Could a tiger come to	Which plants and	think of life on planet
	her way to Granny's	know yourself?	vviiitei:	tea?	animals will we find on	Earth?
	house?			lea:		Editii:
	eding Hood		V VP 1074 APANASA	No.	Havannah Nature	Section 1
					Reserve?	1 (3) III
<b>Y1</b>			PYTA Z			照信5 大學學
		<b>Everyday Materials</b>				THE REAL PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COL
		(short block)			A SHAPE OF THE PARTY OF THE PAR	- 7
		NAVID DE LOUIS EN LOUIS DE LOU				
		What are our favourite				
		toys made from?				
		<u> </u>	Seasonal	Change	<u> </u>	

Observing the weather and the changing seasons in the school environment

	Plants	Uses of everyday	Animals, including Hu	umans	Living Thi	ngs and Their Habitats	Plants
<b>Y2</b>	How old are the trees around us?	which materials were used to build our school?	How does five-a-day ke healthy?	eep you	Why wou	ld Dinosaurs not make good pets?	What does a seed need to grow?
	Plants	Rocks	Animal, including	Forces an	d Magnets	Light	Plants
<b>Y3</b>	What makes plants and flowers flourish?	What do rocks tell us about how the Earth was formed?	Humans – Skeletons and Muscles  How can Usain Bolt move so quickly?		attraction?	How far can I throw my shadow?	What is the role of the flower? (Life-cycles)
<b>Y4</b>	Animals, including Humans  What happens to the food I eat?	States of Matter  Will you ever see the water you drink again?	Sound What's that racket?	How woul	Id we cope ectricity for lay?	Animals, including Humans  What would happen if we had no teeth?	Living Things and Their Habitats  Which wild animals and plants thrive in our local environment.

## Visits, Visitors, Enrichment

R	Magnificent Me! Our World Starting school / my new class All about me Birthdays Halloween PSED focus - relationships/feelings	Celebrations/Space Bonfire Night Diwali Space Christmas Day/Night – People who help us	Winter and the Polar Regions  Winter Antarctica Chinese New Year Superheroes	Farm Animals Easter Hall Hill Farm Visit	Growth Minibeasts  Fairies/knights/fantasy Working in our locality – Havannah Nature Reserve, School Grounds	Traditional Tales Seaside Pirates Beach Visit		
<b>Y1</b>	Plants  Which plants would Little Red Riding Hood see on her way to Granny's house?  Working in our locality – Havannah Nature Reserve, School Grounds	Animals, including humans (short block)  How well do you know yourself?  Everyday Materials (short block)  What are our favourite toys made from?	Seasonal Change  Why is it always cold in Winter?	Animals, including Humans  Could a tiger come to tea?  Identify and classify animals at the Great North Museum	Plants/ Animals, including Humans  Which plants and animals will we find on Havannah Nature Reserve?  Working in our locality – Havannah Nature Reserve, School Grounds	Everyday Materials  What does Beegu think of life on planet Earth?		
	Seasonal Change  Observing the weather and the changing seasons in the school environment							
Y2	Plants  How old are the trees around us?	Uses of everyday materials Which materials were used to build our school?	Animals, including H How does five-a-day k healthy?		uld Dinosaurs not make good pets?	Plants What does a seed need to grow?		

	Working in our locality – Havannah Nature Reserve, School Grounds	Working in our School Grounds	School nurse/ denti (hygiene)	st visit		
<b>Y3</b>	Plants  What makes plants and flowers flourish?  Working in our locality – Havannah Nature Reserve, School Grounds	Rocks  What do rocks tell us about how the Earth was formed?	Animal, including Humans – Skeletons and Muscles  How can Usain Bolt move so quickly?	Forces and Magnets  What's the attraction?  Engineer into school	Light  How far can I throw  my shadow?	Plants  What is the role of the flower? (Lifecycles)  Working in our locality – Havannah Nature Reserve, School Grounds
<b>Y4</b>	Animals, including Humans  What happens to the food I eat?  www.pizzaexpress.com/kids /school-visits	States of Matter  Will you ever see the water you drink again?	Sound What's that racket?	Electricity  How would we cope without electricity for a day?	Animals, including Humans What would happen if we had no teeth?  A visit from a dentist/School health	Living Things and Their Habitats  Which wild animals and plants thrive in our local environment?  Working in our locality – Havannah Nature Reserve, School Grounds  RSPB

## **Enquiry Maps**

### Year One

Enquiry type Science Topic	Observing changes over time	Noticing patterns	Grouping and classifying	Comparative or fair tests	Research using secondary sources
Plants: Which Plants will Little Red Riding Hood see on her way to Granny's?	*observing plants in the locality		*grouping flowers *grouping trees (deciduous/evergreen)		
Animals, including humans: How well do you know yourself?		*Does the tallest person have the largest feet?			
Materials: What are your favourite toys made from?			*Grouping toys by material		
Seasonal Changes: Why is it always cold in Winter?	*Weather charts *Observing plants in the locality			*Polar Bear blubber experiment (Focus unit)	*Looking at weather data
Animals, including Humans: Could a Tiger come to Tea?		Addressing misconceptions? Eg.*Are only the biggest animals carnivores?	*animals by group *animals by diet (carnivores, herbivores, omnivores)		*Researching animal groups eg. Amphibians
Materials: What does Beegu think of life on planet Earth?				*How can we help Beegu to stay dry?	