
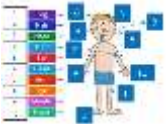

























## Long Term Plan for Science

### Havannah First School Science Topic Coverage

<p><b>R</b></p>	<p><b>Magnificent Me!</b>  <b>Our World</b>          Starting school / my new class  <b>All about me</b>          Birthdays          Halloween          PSED focus - relationships/feelings</p>	<p>Celebrations/<b>Space</b>          Bonfire Night          Diwali          Space          Christmas          Day/Night – People who help us</p>	<p><b>Winter and the Polar Regions</b>           Winter          Antarctica          Chinese New Year          Superheroes</p>	<p><b>Farm Animals</b>          Easter</p>	<p>Marvellous Minibeasts   <b>Growth Minibeasts</b>           Fairies/knights/fantasy</p>	<p>Traditional Tales  <b>Seaside</b>          Pirates</p>
<p><b>Y1</b></p>	<p><b>Plants</b>          Which plants would Little Red Riding Hood see on her way to Granny's house?</p> 	<p><b>Animals, including humans (short block)</b>          How well do you know yourself?</p>  <p><b>Everyday Materials (short block)</b>          What are our favourite toys made from?</p>	<p><b>Seasonal Change</b>          Why is it always cold in Winter?</p> 	<p><b>Animals, including Humans</b>          Could a tiger come to tea?</p> 	<p><b>Plants/ Animals, including Humans</b>          Which plants and animals will we find on Havannah Nature Reserve?</p> 	<p><b>Everyday Materials</b>          What does Beegu think of life on planet Earth?</p> 
<p style="text-align: center;"><b>Seasonal Change</b>          Observing the weather and the changing seasons in the school environment</p>						

<p><b>Y2</b></p>	<p><b>Plants</b></p> <p>How old are the trees around us?</p> 	<p><b>Uses of everyday materials</b></p> <p>Which materials were used to build our school?</p> 	<p><b>Animals, including Humans</b></p> <p>How does five-a-day keep you healthy?</p> 	<p><b>Living Things and Their Habitats</b></p> <p>Why would Dinosaurs not make good pets?</p> 	<p><b>Plants</b></p> <p>What does a seed need to grow?</p> 	
<p><b>Y3</b></p>	<p><b>Plants</b></p> <p>What makes plants and flowers flourish?</p> 	<p><b>Rocks</b></p> <p>What do rocks tell us about how the Earth was formed?</p> 	<p><b>Animal, including Humans – Skeletons and Muscles</b></p> <p>How can Usain Bolt move so quickly?</p> 	<p><b>Forces and Magnets</b></p> <p>What's the attraction?</p> 	<p><b>Light</b></p> <p>How far can I throw my shadow?</p> 	<p><b>Plants</b></p> <p>What is the role of the flower? (Life-cycles)</p> 
<p><b>Y4</b></p>	<p><b>Animals, including Humans</b></p> <p>What happens to the food I eat?</p> 	<p><b>States of Matter</b></p> <p>Will you ever see the water you drink again?</p> 	<p><b>Sound</b></p> <p>What's that racket?</p> 	<p><b>Electricity</b></p> <p>How would we cope without electricity for a day?</p> 	<p><b>Animals, including Humans</b></p> <p>What would happen if we had no teeth?</p> 	<p><b>Living Things and Their Habitats</b></p> <p>Which wild animals and plants thrive in our local environment.</p> 

## Visits, Visitors, Enrichment

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

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

## 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?	

