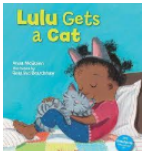

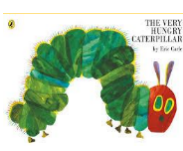




Curriculum Overview: Science - A Sense of Discovery


Rainbow Nursery (2 Year Olds)

					
Autumn Understanding the World <i>The Natural World</i>	Polar Bear, Polar Bear Understanding the World <i>The Natural World</i>	Winter Understanding the World <i>The Natural World</i>	Spring and Easter Understanding the World <i>The Natural World</i>	Animals Understanding the World <i>The Natural World</i>	Animals (wild) Understanding the World <i>The Natural World</i>


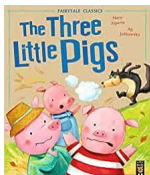

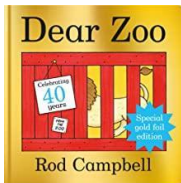

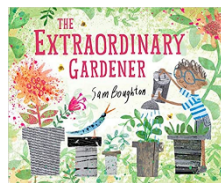



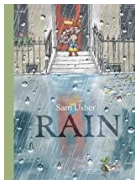

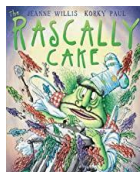

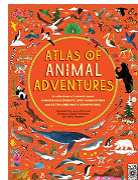


School Nursery (3 Year Olds)

						
Pets Understanding the World <i>The Natural World</i>	Autumn Understanding the World <i>The Natural World</i>	Winter Understanding the World <i>The Natural World</i>	Farm Animals Understanding the World <i>The Natural World</i>	Spring Understanding the World <i>The Natural World</i>	Minibeasts Understanding the World <i>The Natural World</i>	Plants & Growing Understanding the World <i>The Natural World</i>

Reception










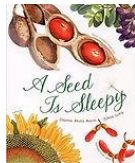
						
Autumn Understanding the World <i>The Natural World</i>	Materials Understanding the World <i>The Natural World</i>	Winter Understanding the World <i>The Natural World</i>	Animals Understanding the World <i>The Natural World</i>	Spring Understanding the World <i>The Natural World</i>	Plants Understanding the World <i>The Natural World</i>	Minibeasts Understanding the World <i>The Natural World</i>

Morningside Curriculum Overview: Science


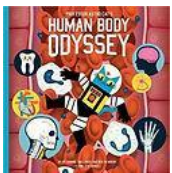

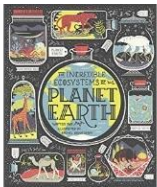

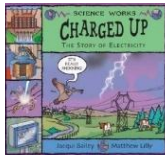
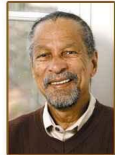


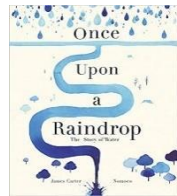
Year 1							
							
<p>Chemistry Materials Why is plastic useful?</p> <ul style="list-style-type: none">Identify and name different materialsGroup different materialsDescribe simple properties of materials		<p>Biology Animals How are animals different?</p> <ul style="list-style-type: none">Name and identify animalsOmnivores, carnivores and herbivoresName and label basic body parts		<p>Biology Plants Are all plants the same?</p> <ul style="list-style-type: none">Identify and name plants and treesIdentify and label parts of a plantDiscover how plants have changed over time		<p>Physics Seasons (inc. light) Why is it cold and dark in December?</p> <ul style="list-style-type: none">Observe changes across the 4 seasonsObserve and describe weather across the seasonsDescribe how day length varies	
Year 2							
							
<p>Chemistry Materials What material would make the best wellies?</p> <ul style="list-style-type: none">Identify & compare everyday materialsExplore how to change the shape of solid objectsChoose suitable materials for purpose		<p>Biology Animals How do animals survive?</p> <ul style="list-style-type: none">Compare animals over timeThe importance of a balanced dietThe importance of personal hygiene		<p>Biology Habitats Who lives where?</p> <ul style="list-style-type: none">Understand living things live in habitats to which they are suitedIdentify plants and animals in a microhabitatDiscover how animals obtain food		<p>Biology Plants What does a plant need to grow?</p> <ul style="list-style-type: none">Compare plants and their habitatsCompare plantsLabel parts of a plant and understand how plants reproduce	

Morningside Curriculum Overview: Science

Year 3

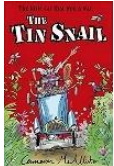
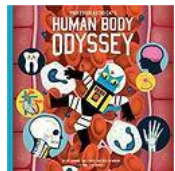
									
Biology Animals How are our bodies special? <ul style="list-style-type: none"> Classify foods into groups Understand that nutrition comes from food Understand the function of the skeleton 	Physics Forces Does the size and the shape of the magnet matter? <ul style="list-style-type: none"> Compare how things move on different surfaces Understand that magnets attract some materials but not others Understand that not all forces require contact 			Physics Light Why can't we see in the dark? <ul style="list-style-type: none"> Recognise that light is needed for sight Understand how light travels to the eye Explain how a shadow is formed 	Chemistry Rocks Why did the wise man build his house upon the rocks? <ul style="list-style-type: none"> Compare rocks according to their properties Discover how different rocks are formed Find out what rocks are made from 	Biology Plants How does your garden grow? <ul style="list-style-type: none"> Explore the requirements of a flowering plant Explain how water travels in plants Understand pollination 			

Year 4

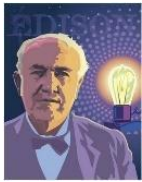
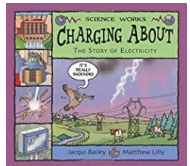

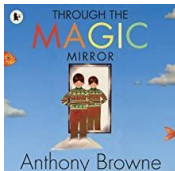
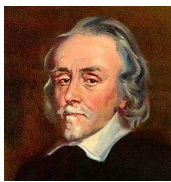
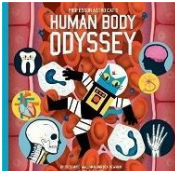




									
Biology Animals (inc. Humans) Do we only need our teeth to eat? <ul style="list-style-type: none"> Construct basic food chains Identify parts of the digestive system Identify different types of teeth and their functions 	Biology Habitats How can we tell the difference between living things? <ul style="list-style-type: none"> Group living things Use classification keys Explore our local environment 		Physics Electricity What do we need to create a circuit? <ul style="list-style-type: none"> Identify appliances that run off electricity Construct a simple circuit Identify conductors and insulators 	Physics Sound Can we block sound? <ul style="list-style-type: none"> Understand that sound is created by vibrations Understand how sound travels to the ear Recognise the relationship between sound and distance 		Chemistry States of Matter Where does all the water go? <ul style="list-style-type: none"> Observe changes of state Understand evaporation and condensation Describe the stages in the water cycle 			

Morningside Curriculum Overview: Science

Year 5

									
Physics Forces How useful are forces? <ul style="list-style-type: none"> Explain why objects fall to the Earth Investigate air resistance Investigate the effect of water on gravity 		Biology Human development How do I change as I grow? <ul style="list-style-type: none"> Explain how humans have changed through time Understand the human life stages Predict how humans will change over time 		Biology Life Cycles Do all species start as an egg? <ul style="list-style-type: none"> Understand the stages in a human life cycle. Describe the process of animal reproduction Describe plant reproduction 		Chemistry Materials How do we choose the materials we need for special jobs? <ul style="list-style-type: none"> Compare and group every day materials. Explain dissolving Identify reversible and irreversible changes 		Physics Earth and Space How and why do the spherical bodies move in our solar system? <ul style="list-style-type: none"> Describe the planets in the solar system Describe the movement of the moon Explain day and night 	

Year 6

									
Physics Electricity How can circuits be changed? <ul style="list-style-type: none"> Design circuits for a burglar alarm Identify broken circuits Create a circuit diagram using symbols 		Physics Light Why can't I see round corners? <ul style="list-style-type: none"> Identify the factors that affect shadows Understand light is reflected Investigate light phenomena 		Biology Human Biology What does my blood do? <ul style="list-style-type: none"> Name the main parts of the circulatory system Understand pulse and blood pressure Describe the function of blood 		Biology Classification How and why do we classify living things? <ul style="list-style-type: none"> Classify organisms using keys Design a classification key Design a creature for a specific environment 		Biology Evolution and Inheritance What is evolution & how does it help survival? <ul style="list-style-type: none"> Identify animals from fossils Understand variation Understand how adaptation leads to evolution 	