










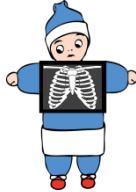




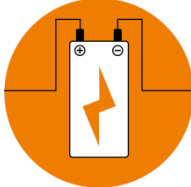

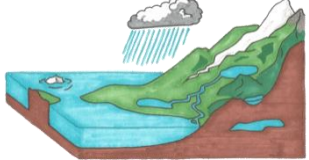



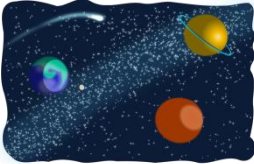








Science at Morningside We are scientists @ Morningside											
<p>'Most people say that it is the intellect which makes a great scientist. They are wrong: it is character.' Albert Einstein 'People who say it cannot be done should not interrupt those who are doing it.' George Bernard Shaw</p>											
Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1		Summer 2	
Year 1											
	<p>Why did the third little pig build his house out of bricks?</p> <ul style="list-style-type: none"> Identify and name different materials Group different materials Describe simple properties of materials 		<p>How are animals different?</p> <ul style="list-style-type: none"> Name and identify animals Omnivores, carnivores and herbivores Name and label basic body parts 		<p>Why is it cold in winter?</p> <ul style="list-style-type: none"> Observe changes across the 4 seasons Observe and describe weather across the seasons Describe how day length varies 		<p>How does your garden grow?</p> <ul style="list-style-type: none"> Identify and name plants and trees Identify and label parts of a plant Discover how plants have changed over time 		<p>How are animals different?</p> <ul style="list-style-type: none"> Name and identify animals Omnivores, carnivores and herbivores Name and label basic body parts 		
Year 2											
	<p>What would a plant put on its wish list?</p> <ul style="list-style-type: none"> Identify and name plants and trees Identify and label parts of a plant Discover how plants have changed over time Compare plants and their habitats Compare plants Label parts of a plant and understand how plants reproduce 		<p>Which material would make the best wellies?</p> <ul style="list-style-type: none"> Identify & compare everyday materials Explore how to change the shape of solid objects Choose suitable materials for purpose 		<p>How do animals survive?</p> <ul style="list-style-type: none"> Compare animals over time The importance of a balanced diet The importance of personal hygiene 		<p>Who lives where?</p> <ul style="list-style-type: none"> Understand living things live in habitats to which they are suited Identify plants and animals in a microhabitat Discover how animals obtain food 				

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3						
	<p>How does your garden grow?</p> <ul style="list-style-type: none"> • Explore the requirements of a flowering plant • Explain how water travels in plants • Understand pollination • Compare plants and their habitats • Compare plants • Label parts of a plant and understand how plants reproduce 	<p>Why can we see in the dark?</p> <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 	<p>Why are our bodies special?</p> <ul style="list-style-type: none"> • Classify foods into groups • Understand that nutrition comes from food • Understand the function of the skeleton 	<p>Do all forces involve contact?</p> <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 	<p>Why did the wise man build his house upon the rock?</p> <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 	
Year 4						
	<p>How does your garden grow?</p> <ul style="list-style-type: none"> • Explore the requirements of a flowering plant • Explain how water travels in plants • Understand pollination 	<p>How can we tell the difference between living things?</p> <ul style="list-style-type: none"> • Group living things • Use classification keys • Explore our local environment • Construct basic food chains • Identify parts of the digestive system • Identify different types of teeth and their functions 	<p>What do we need to create power?</p> <ul style="list-style-type: none"> • Identify appliances that run off electricity • Construct a simple circuit • Identify conductors and insulators 	<p>Why do objects make different sounds?</p> <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 	<p>Why do materials change state?</p> <ul style="list-style-type: none"> • Observe changes of state • Understand evaporation and condensation • Describe the stages in the water cycle 	

Curriculum Overview: Science

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 5						
	<p>How could forces keep us safe?</p> <ul style="list-style-type: none"> Explain why objects fall to the Earth Investigate air resistance Investigate the effect of water on gravity 	<p>Do all species start as an egg?</p> <ul style="list-style-type: none"> Explain how humans have changed through time Predict how humans will change over time Describe the process of animal reproduction Describe plant reproduction 	<p>What would you need to be a CSI investigator?</p> <ul style="list-style-type: none"> Observe changes of state Understand evaporation and condensation Describe the stages in the water cycle Compare and group everyday materials. Explain dissolving Identify reversible and irreversible changes 		<p>Would you ever want to live in space?</p> <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						
	<p>Circuit breaker or circuit fixer?</p> <ul style="list-style-type: none"> Design circuits for a burglar alarm Identify broken circuits <ul style="list-style-type: none"> Create a circuit diagram using symbols 	<p>Why can't I see round corners?</p> <ul style="list-style-type: none"> Identify the factors that affect shadows Understand light is reflected Investigate light phenomena Describe the movement of the moon Explain day and night 	<p>Why aren't there any dinosaurs in Hackney?</p> <ul style="list-style-type: none"> Identify animals from fossils Understand variation Understand how adaptation leads to evolution 	<p>Which bits of my body could I live without?</p> <ul style="list-style-type: none"> Name the main parts of the circulatory system Understand pulse and blood pressure Describe the function of blood 	<p>How do we know a camel is a mammal?</p> <ul style="list-style-type: none"> Classify organisms using keys Design a classification key Design a creature 	<p>Revision of previous units</p>