








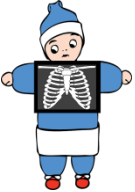






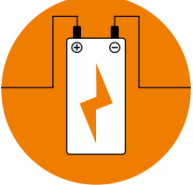
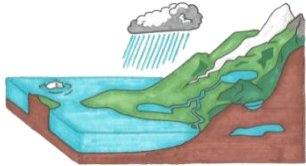
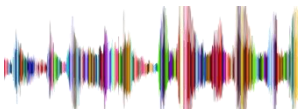



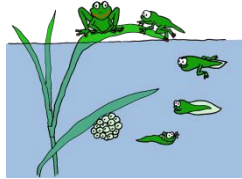
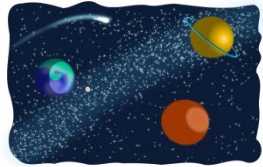







Science at Morningside We are scientists @ Morningside							
'Most people say that it is the intellect which makes a great scientist. They are wrong: it is character.' Albert Einstein 'People who say it cannot be done should not interrupt those who are doing it.' George Bernard Shaw							
Autumn 1		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>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 		<p>What would a plant put on its wish list?</p> <ul style="list-style-type: none"> Compare plants and their habitats Compare plants Label parts of a plant and understand how plants reproduce 		

Curriculum Overview: Science

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3							
		<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>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>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 <p>Understand that not all forces require contact</p>		<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 <p>Understand pollination</p>	<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
		Autumn 1	Autumn 2		Spring		Summer
Year 4							
		<p>Do we just need our teeth to eat?</p> <ul style="list-style-type: none"> Construct basic food chains Identify parts of the digestive system Identify different types of teeth and their functions 	<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 	<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 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 		<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 <p>Recognise the relationship between sound and distance</p>

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>How different will you be when you are as old as the Queen?</p> <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 	<p>What would you need to be a CSI investigator?</p> <ul style="list-style-type: none"> • Compare and group every day materials. • Explain dissolving • Identify reversible and irreversible changes 	<p>Do all species start as an egg?</p> <ul style="list-style-type: none"> • Understand the stages in a human life cycle. • Describe the process of animal reproduction • Describe plant reproduction 	<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 <ul style="list-style-type: none"> • Identify broken circuits • 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 	<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 <ul style="list-style-type: none"> • Design a creature 	