

Science Curriculum Map 2014-2015

	Year 1		Year 2		Year 3
Autumn 1	<p><b>Who Am I?</b> In this unit the children will identify, name, draw and label the basic parts of the human body. They will identify which part of the body is associated with each sense.</p>	Seasonal Changes	<p><b>Healthy Me</b> This unit is all about keeping fit and healthy. The children will learn about the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</p>	Seasonal Changes	<p><b>Earth Rocks</b> In this topic children work scientifically on a variety of quick challenges and longer tasks to learn about rocks. This topic covers the properties and uses of rocks, the rock family, soils and finally fossils.</p>
Autumn 2	<p><b>Celebrations</b> The children will think about what type of materials, food, sound and light are used in different celebrations. They will distinguish between an object and the material from which it is made. They will identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock and describe the simple physical properties of everyday materials.</p>		<p><b>Materials Monster</b> In this unit the children will identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. They will find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</p>		<p><b>Food and Our Bodies</b> In this topic children work scientifically on a variety of quick challenges and longer tasks to learn about food and their bodies. This topic looks at where animals get food from and why it is important, as well as skeletons and muscles.</p>
Spring 1	<p><b>Polar Adventurers</b> The classroom will become a polar camp in this unit as the children name, describe and compare animals that are birds, fish and mammals and common animals that are carnivores, herbivores and omnivores. They will describe, compare and group everyday materials that are transparent, translucent, opaque, waterproof, flexible.</p>		<p><b>Mini Worlds</b> This unit involves identifying and comparing the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. The children will learn how to use a microscope and hand lens.</p>		<p><b>Mirror Mirror</b> In this topic children work scientifically on a variety of quick challenges and longer tasks to learn about the wonders of light, including reflections and shadows.</p>
Spring 2	<p><b>Treasure Island</b> In this unit the children will be thinking about survival on a desert island. The children will identify and name a variety of plants and animals including fish, amphibians, reptiles, birds and mammals. They will describe the simple</p>		<p><b>Move it</b> In this unit the children will find out how different objects move and what forces are involved. They will compare and test different model vehicles and make their own kites and rockets.</p>		<p><b>How Does Your Garden Grow?</b> In this topic children work scientifically on a variety of quick challenges and longer tasks to learn about plants. They learn about the different parts of plants, what plants need to live, water transportation in plants and pollination.</p>

	physical properties of a variety of everyday materials and consider how they could use materials to make a shelter.			
Summer 1	<p><b>On safari</b> The children will be going on an invertebrate safari in this unit. They will identify and name a variety of common invertebrates and common animals that are carnivores, herbivores and omnivores. They will learn about habitats and food chains.</p>		<p><b>Young Gardeners</b> The children will become gardeners as they learn to identify and name a variety of plants and observe and describe how seeds grow into mature plants. They will find out and describe how plants need water, light and a suitable temperature to grow and stay healthy, and will plant their own vegetables, herbs and flowers.</p>	<p><b>Opposites Attract</b> This topic looks at magnets and their uses and what makes magnetic poles special.</p>
Summer 2	<p><b>Holiday</b> The children will identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals and use the terms carnivore, herbivores and omnivores. They will distinguish between an object and the material from which it is made and will identify and name and describe the properties of a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.</p>		<p><b>Little Masterchefs</b> The children will learn about the importance of eating the right types of food and how different foods keep the body healthy. They will choose their own food for menus and use their own garden produce in cooking.</p>	<p><b>We Are Astronauts</b> This Super Science topic continues to develop essential scientific working skills. In this topic children become astronauts. First they look at the Moon, how humans have visited it and then plan their own mission by designing a Moon lander, making space suits and eating space food!</p>