

**Science Overview Year A 2021-22**

We started using Snap Science as our basis in Term 3; therefore some of the units are repeated to ensure coverage. The overview will be amended in Year B.

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<b>Year Group</b>	Marvellous Mablethorpe	Our Wonderful World	A Step back in time.	Once Upon a time	Take One Picture	Little People big Dreams
		DT / Enterprise Week			Science Week	Careers Week
<p><b>Year 1</b></p> <p>Seasonal changes <i>(to be taught across the year)</i></p> <p>Children will observe changes across the 4 seasons, as well as describing the associated weather for each season and how day length varies.</p> <p>Our changing world: plants <i>(to be taught across the year)</i></p> <p>Children will look at how trees, leaves and plants change throughout the year, in addition to discovering which flowers we can find in different seasons.</p>	<p>Seasonal changes</p> <p><b>Humans</b></p> <p>The children will learn about their bodies and the five senses.</p>	<p>Seasonal changes</p> <p><b>Animals</b></p> <p>The children will study and name different animals, learn about which group the animal belongs to and discover what they need to survive.</p>	<p>Seasonal changes/Our changing world: plants</p> <p><b>Everyday materials</b></p> <p>The children will identify, name, compare and group together different everyday materials using their simple properties, in addition to distinguishing between an object and the material from which it is made.</p>	<p>Seasonal changes/Our changing world: plants</p> <p><b>Plants</b></p> <p>The children will identify and name a variety of common wild and garden plants, as well as describing the basic structure of flowering plants including trees.</p>	<p>Seasonal changes/Our changing world: plants</p> <p><b>Animals</b></p> <p>We will use this unit to ensure all content has been covered on animals this year. This will include looking at the different animal groups including fish, amphibians, reptiles, birds and mammals. Also children will learn the difference between carnivores, herbivores and omnivores.</p>	
<p><b>Year 2</b></p>	<p><b>Animals including Humans</b></p> <p>Children will learn how animals, including humans, have offspring which grow into adults. They will describe the basic needs of animals, including humans, to survive and study the importance for humans to exercise, eat the right amounts of different</p>	<p><b>Living things and their habitats</b></p> <p>Children will compare the differences between things that are living, dead and things that have never been alive. They will look at how different habitats are suitable for kinds of animals and plants. Children will also identify and name a variety of</p>	<p><b>Uses of everyday materials</b></p> <p>Children will identify and compare the suitability of a variety of everyday materials for particular uses. They will also discover how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</p>	<p><b>Plants</b> <b>(short recap on animals including humans)</b></p> <p>Children will observe and describe how seeds and bulbs grow into mature plants. Additionally, they will find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</p>		

	types of food and be hygienic.	plants and animals in their habitats, including microhabitats and they will explore food chains.			
<p><b>Year 3/4</b> <b>(Year 3 curriculum on 2 year rolling cycle)</b></p> <p><b>Our changing world</b> <i>(to be taught across the year from next year)</i></p> <p>Children will learn about how leaves and flowers change throughout the year, as well as which seeds we can find at different times and they will grow sunflowers from seeds.</p>	<p><b>Light</b></p> <p>Children will understand light and dark, learn about how light is reflected and recognise that light from the sun can be dangerous. They will also study shadows: how they are formed and the patterns as shadows change size.</p>	<p><b>Forces and magnets</b></p> <p>Children will compare how things move on different surfaces and learn all about magnets, including how they attract and repel some materials.</p>	<p><b>Rocks</b></p> <p>Children will compare and group different kinds of rocks by appearance and simple physical properties. They will learn how fossils and soils are formed.</p>	<p><b>Our changing world</b></p> <p><b>Animals including humans</b></p> <p>Children will learn about the nutrition of animals, including humans, as well as studying the skeletons and muscles that humans and some animals have for support, protection and movement.</p>	<p><b>Our changing world</b></p> <p><b>Plants</b></p> <p><b>(including investigations over time)</b></p> <p>Children will identify and describe the functions of different parts of flowering plants, in addition to exploring what plants need to survive and grow and how water is transported within plants. They will learn about how flowers are important for pollination, seed formation and seed dispersal.</p>
<p><b>Year 5/6</b> <b>(Year 5 curriculum on 2 year rolling cycle)</b></p>	<p><b>Earth and space</b></p> <p>Children will describe the movement of the Earth and other planets relative to the sun in the solar system, as well as the movement of the moon relative to the Earth. They will also use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.</p>	<p><b>Properties &amp; changes of materials</b></p> <p>Children will compare, group together and give uses for everyday materials based on their properties, know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution. They will learn about how mixtures might be separated, including through filtering, sieving and evaporating. Children will investigate reversible and irreversible changes.</p>	<p><b>Forces</b></p> <p>Children will learn about gravity, air resistance, water resistance and friction through carrying out different investigations. They will also recognise that some mechanisms allow a smaller force to have a greater effect.</p>	<p><b>Animals including humans (reproduction)</b></p> <p>Children will describe the changes as humans develop to old age, including the changes experienced in puberty and how reproduction occurs.</p>	<p><b>Living things and their habitats</b></p> <p>Children will describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird, as well as learning about reproduction in some plants and animals.</p>