

## Whole School Progression Document for Science (KS2)



### Planning – scope, coherence, sequencing and Rigour

	Autumn	Spring	Summer
EYFS	<p><b>Biology</b> <b>Animals Including Humans</b> <b>Curriculum Goal:</b> To describe some animal habitats</p> <p><b>Chemistry</b> <b>Everyday materials</b> <b>Curriculum Goal:</b> To describe some similarities and differences between textures</p> <p><b>Physics</b> <b>Seasonal Changes</b> <b>Curriculum Goal:</b> To identify some of the seasonal changes that occur in Autumn</p>	<p><b>Biology</b> <b>Animals Including Humans</b> <b>Curriculum Goal:</b> To describe what animals give us</p> <p><b>Chemistry</b> <b>Everyday materials</b> <b>Curriculum Goal:</b> To describe basic properties of materials</p> <p><b>Physics</b> <b>Seasonal Changes</b> <b>Curriculum Goal:</b> To identify some of the seasonal changes that occur in Winter <b>Curriculum Goal:</b> To identify some of the seasonal changes that occur in Spring</p>	<p><b>Biology</b> <b>Animals Including Humans</b> <b>Curriculum Goal:</b> To describe what a minibeast is</p> <p><b>Plants:</b> <b>Curriculum Goal:</b> To know the lifecycle of a plant (bean)</p> <p><b>Physics</b> <b>Seasonal Changes</b> <b>Curriculum Goal:</b> To identify some of the seasonal changes that occur in summer</p>
	Autumn	Spring	Summer
	Biology	Chemistry	Biology
Y1	<p><b>Animals Including Humans</b></p> <p><b>Curriculum Goals:</b> To identify and name a variety of animals, including what they eat</p> <p>To know the five senses and the basic parts of the human body</p>	<p><b>Everyday Materials</b></p> <p><b>Curriculum Goal:</b> To explain the basic properties of a material</p>	<p><b>Plants</b></p> <p><b>Curriculum Goal:</b> To explain the main parts of a plant</p> <p>To explain similarities and differences between plants</p>
Throughout the Year			
Physics – Seasonal Changes			
Curriculum Goal: To explain the main characteristics of a season			

**Whole School Progression Document for Science (KS2)**



**Planning – scope, coherence, sequencing and Rigour**

	Autumn	Spring	Summer	
	Biology	Chemistry	Biology	
Y2	<p><b>Animals Including Humans</b></p> <p><b>Curriculum Goal:</b> To explain that animals and humans have offspring</p> <p>To describe the basic needs of animals for survival and the role exercise, diet and hygiene have in staying healthy</p>	<p><b>Everyday Materials</b></p> <p><b>Curriculum Goal:</b> To explain the practical uses for a variety of everyday materials</p>	<p><b>Living Things and their Habitats</b></p> <p><b>Curriculum Goal:</b> To identify and name a variety of different habitats</p> <p>To explain how animals and plants get their food</p>	<p><b>Plants</b></p> <p><b>Curriculum Goal:</b> To explain what a plant needs to grow and how it grows</p>

	Autumn		Spring	Summer	
	Biology Physics		Chemistry	Biology	Physics
Y3	<p><b>Animals Including Humans</b></p> <p><b>Curriculum Goal:</b> To explain how the skeleton and muscles work</p> <p>To explain why animals need to eat</p>	<p><b>Forces and Magnetism</b></p> <p><b>Curriculum Goal:</b> To explain what a magnet is and how it works</p>	<p><b>Rocks</b></p> <p><b>Curriculum Goal:</b> To identify different types of rock using their properties</p> <p>To explain how fossils are formed</p>	<p><b>Plants</b></p> <p><b>Curriculum Goal:</b> To explain the functions of a flowering plant</p> <p>To understand the role of the flower in the life cycle of</p>	<p><b>Light</b></p> <p><b>Curriculum Goal:</b> To explain what light is</p> <p>To know ways we can observe light</p>

**Whole School Progression Document for Science (KS2)**



**Planning – scope, coherence, sequencing and Rigour**

	Autumn		Spring	Summer	
Y4	Chemistry	Physics	Physics	Biology	
	<b>States of Matter</b>  <b>Curriculum Goal:</b> To explain how a liquid can be a solid, liquid and gas	<b>Electricity</b>  <b>Curriculum Goal:</b> To create a simple electrical circuit	<b>Sound</b>  <b>Curriculum Goal:</b> To explain what sound is and how we hear it	<b>Animals Including Humans</b>  <b>Curriculum Goal:</b> To describe the simple function of the digestive system	<b>Living Things and their Habitats</b>  <b>Curriculum Goal:</b> To be able to group living things in a variety of ways  To explain the dangers of changing environments to living things

	Autumn		Spring	Summer	
Y5	Physics		Chemistry	Biology	
	<b>Forces</b>  <b>Curriculum Goal:</b> To identify forces and how they interact with the world around us	<b>Earth and Space</b>  <b>Curriculum Goal:</b> To explain the shape of the planets and sun and how the planets move within the solar system	<b>Properties and Changes in Materials</b>  <b>Curriculum Goal:</b> To explain the properties of materials including reversible and irreversible change	<b>Living thing and their habitats</b>  <b>Curriculum Goal:</b> To explain how animals and plants reproduce and their life-cycles	<b>Animals Including Humans</b>  <b>Curriculum Goal:</b> To explain the main changes in the human life cycle

**Whole School Progression Document for Science (KS2)**

**Planning – scope, coherence, sequencing and Rigour**



	Autumn		Spring	Summer	
	Physics	Biology	Biology	Biology	Physics
Y6	<p><b>Electricity</b></p> <p><b>Curriculum Goal:</b></p> <p>To explain how an electric circuit and how its components work</p>	<p><b>Living Things and their Habitats</b></p> <p><b>Curriculum Goal:</b></p> <p>To be able to classify animals and plants using the classification table</p>	<p><b>Animals Including Humans</b></p> <p><b>Curriculum Goal:</b></p> <p>To explain the purpose of the heart in a living creature To explain the ways we can live a healthy life</p>	<p><b>Evolution and Inheritance</b></p> <p><b>Curriculum Goal:</b></p> <p>To explain what evolution is and how it can be seen in animals and plants today</p>	<p><b>Light</b></p> <p><b>Curriculum Goal:</b></p> <p>To explain how light moves, including reflection</p>

**Whole School Progression Document for Science (KS2)**

**Planning – scope, coherence, sequencing and Rigour**

