

The Woodland Federation of Peak District Schools – Science KS1 and EYFS Long Term Plan

	Autumn Term	Spring Term	Summer Term
Year A 2021-22	<p>KS1</p> <p><b>Animals including humans (humans)</b></p> <ul style="list-style-type: none"> <li>• Notice that humans, have offspring which grow into adults</li> <li>• Find out about and describe the basic needs of humans, for survival (water, food and air)</li> <li>• Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</li> </ul>	<p>KS1</p> <p><b>Materials</b></p> <ul style="list-style-type: none"> <li>• Distinguish between an object and the material from which it is made</li> <li>• Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</li> <li>• Describe the simple physical properties of a variety of everyday materials</li> <li>• Compare and group together a variety of everyday materials on the basis of their simple physical properties.</li> </ul>	<p>KS1</p> <p><b>Plants</b></p> <ul style="list-style-type: none"> <li>• Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</li> <li>• Identify and describe the basic structure of a variety of common flowering plants, including trees.</li> </ul> <p><b>Living things and their habitats</b> (inc. Local (pond, woodland and moorland and microhabitats))</p> <ul style="list-style-type: none"> <li>• Explore and compare the differences between things that are living, dead, and things that have never been alive</li> <li>• Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other</li> <li>• Identify and name a variety of plants and animals in their habitats, including microhabitats</li> </ul>
	EYFS Humans	EYFS Materials, including changing materials	EYFS Plants
<p>EYFS units are taken from the PLAN Science EYFS document: <a href="#">EYFS PLAN Science</a></p>			
<p>Ongoing throughout the year:</p> <p><b>Seasonal Change</b> – throughout the year to enable children to</p> <ul style="list-style-type: none"> <li>• Observe the changes through the seasons</li> <li>• Observe changes across the four seasons</li> <li>• EYFS: Seasonal Changes</li> </ul>			

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<p><b>Plants</b> - throughout the year to enable children to see how plants grow through the seasons                  Time is planned throughout the year for all children to use the garden and woodland area to enhance learning in the science curriculum from Early Years upwards.</p>				
	Autumn		Spring	Summer
Year B 2022-23	<p><b>Animals</b></p> <p>notice that animals have offspring which grow into adults § find out about and describe the basic needs of animals, for survival (water, food and air)</p>	<p><b>Materials</b></p> <p>identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses § find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</p>	<p><b>Plants</b></p> <p>observe and describe how seeds and bulbs grow into mature plants § find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</p>	<p><b>Living things and habitats</b>                  (different habitats e.g. Link to Cold topic – virtual habitats for cold                  Visit to Butterfly House as a tropical habitat)</p> <ul style="list-style-type: none"> <li>• Explore and compare the differences between things that are living, dead, and things that have never been alive</li> <li>• Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other</li> <li>• Identify and name a variety of plants and animals in their habitats, including microhabitats</li> <li>• Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.</li> </ul>
	EYFS Animals excluding humans	EYFS Materials including changing materials	EYFS Plants	EYFS Living things and their habitats
	<p>EYFS units are taken from the PLAN Science EYFS document:  <a href="https://peakforest.sharepoint.com/:b:/s/WoodlandFederationStaffArea/Ef2MgbnwRgtMs2X005A91oIB9VttMggTnNVyLEPDuAPHUw?e=Ao7BpK">https://peakforest.sharepoint.com/:b:/s/WoodlandFederationStaffArea/Ef2MgbnwRgtMs2X005A91oIB9VttMggTnNVyLEPDuAPHUw?e=Ao7BpK</a></p>			
<p>Seasonal Change – throughout the year to enable children to observe the changes through the seasons</p> <ul style="list-style-type: none"> <li>• Observe changes across the four seasons</li> <li>• Observe and describe weather associated with the seasons and how day length varies.</li> </ul> <p>Plants – throughout the year to enable children to see how plants grow through the seasons</p>				

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**Biology**

**Chemistry**

**Physics**