



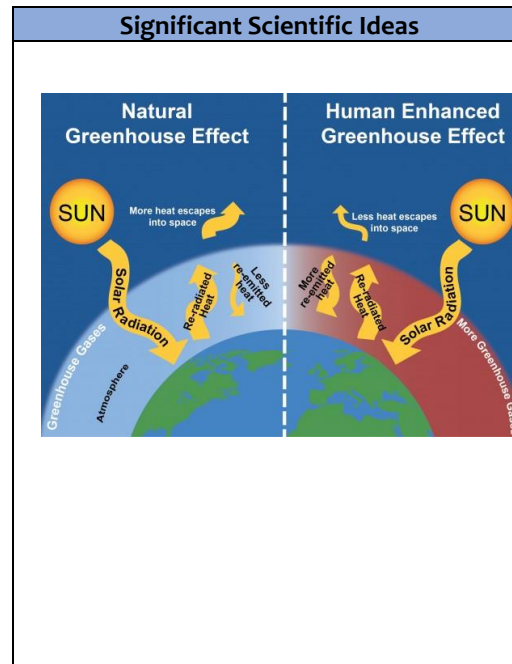
<b>Subject</b>	Science	<b>Theme</b>	Living Things and their Habitats - Environmental Changes	<b>Term</b>	Spring 2
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What should I already know?
<ul style="list-style-type: none"> <li>- Be able to identify and name a variety of common wild plants and animals.</li> <li>- Know that most living things live in habitats to which they are suited.</li> <li>- Understand the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and that these vary from plant to plant</li> </ul>

Working Scientifically
<p>Set up a fair enquiry (to find out the impact of additional layers to the temperature of an object)</p> <p>Make careful observations using a viewing window (numbers of plant species found in specific areas)</p> <p>Recording data using a grid to help answer questions (about the impact of human activity on the local environment and plant species)</p> <p>Report on results of research (into National Parks and SSSIs) using displays</p> <p>Use evidence to support ideas (numbers of plant species found in different areas)</p>

Enquiries & Investigations
<ul style="list-style-type: none"> <li>- What makes the environment change? Sort environmental changes into those that are natural, and those which are man-made.</li> <li>- How do greenhouses work? Demonstrate how the greenhouse effect affects the Earth's temperature.</li> <li>- What impact do humans have on other animals? Identify how different endangered animal species are affected by human activities.</li> <li>- Is all human impact negative? Research positive human intervention, such as nature reserves and national parks</li> <li>- What impact do humans have around school? investigate similarities and differences between the plants found in neglected and maintained areas of the school environment.</li> <li>- What could we do to improve our school environment? Research actions that can be taken to improve the environment around our school.</li> </ul>

What should I know by the end of the unit?
<ul style="list-style-type: none"> <li>- Environments around the globe can change, through natural and man-made changes.</li> <li>- These changes can sometimes cause dangers to living things within these ecosystems.</li> <li>- Humans have had an effect on the world's environment through deforestation and global warming.</li> <li>- The greenhouse effect contributes to global warming.</li> <li>- We also have an effect on the local environment around us at school, and this may cause dangers to some living things.</li> </ul> <p><b>Silver Threads:</b>  <b>Process</b> – What processes are causing climate &amp; environmental change?  <b>Changes</b> – How and why are environments changing?</p>



Key Vocabulary	
environment	The surroundings or conditions in which a person, animal, or plant lives or operates.
habitat	The natural home or environment of an animal, plant, or other organism.
ecosystem	A geographic area where plants, animals, and other organisms, as well as weather and landscape, work together to form a bubble of life.
species	A species is a kind of organism. All animals or plants that are of the same kind belong to the same species.
greenhouse effect	The greenhouse effect is a warming of Earth's surface and the air above it. It is caused by gases in the air that trap energy from the Sun.
climate	The amount of heat, wind, humidity, snow and rain measured over years, instead of weather which is day-to-day
global warming	Global warming is the term used to describe the rising of the average temperature on Earth. It has to do with climate change