



# Science Summer Work

## Entering Grade 5

### Climate Education: Human Impacts on Earth’s Systems (resources)

**5-ESS3-1.** Obtain and combine information about ways individual communities use science ideas to protect Earth’s resources and environment.

<b>Entering Grade 5 Activity Board</b>		
<p><b>Generation Genius:</b>  <a href="#">Water Quality &amp; Distribution</a></p> <p><b>Newsela STEM Articles:</b>  <a href="#">U.N. reports see a lonelier planet with fewer plants, animals</a></p> <p><a href="#">U.N. report days climate change is rapidly hurting the Earth's land</a></p> <p><a href="#">Humanity healed the ozone hole: can we do the same for climate change?</a></p> <p><a href="#">Indigenous communities bring knowledge and solutions to conservation efforts</a></p> <p><a href="#">Restoring ecosystems could bring back wildlife and reduce carbon</a></p> <p><a href="#">Animal endangerment and its causes</a></p> <p><a href="#">What we lose when animals become extinct</a></p>	<p><b>Science Literacy:</b> Make a claim on how humans impact the earth’s resources. Choose a Newsela STEM article to support your claim. Complete a Claim-Evidence-Reasoning template using the information in the article and your claim.</p> <p><a href="#">CER sentence starters</a>  <a href="#">CER templates</a></p>	<p><b>Community Earth Protector’s Project:</b> Students investigate how different communities protect the environment using science and technology.</p> <p><b>Topics Could Include</b></p> <ul style="list-style-type: none"> <li>• Recycling programs</li> <li>• Solar energy</li> <li>• Community gardens</li> <li>• Water conservation</li> <li>• Electric buses</li> <li>• Wind farms</li> <li>• Beach cleanups</li> <li>• Wildlife protection</li> </ul> <p><b>Student Tasks</b></p> <ol style="list-style-type: none"> <li>1. Research a real community solution</li> <li>2. Explain the science behind it</li> <li>3. Describe how it helps Earth</li> <li>4. Present findings</li> </ol> <p><b>Final Products</b></p> <ul style="list-style-type: none"> <li>• Poster</li> <li>• Google Slides</li> <li>• News report</li> <li>• Mini documentary</li> <li>• Brochure</li> </ul> <p><b>IB Connections</b></p> <ul style="list-style-type: none"> <li>• Research skills</li> <li>• Communication</li> <li>• Global awareness</li> </ul>