

Here Now, Gone Tomorrow

Project Description
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6th Grade Math/Science

HTMCV & HTMNC



Project Overview

Here's the rundown, we as humans have made questionable choices regarding our energy consumption for the last 100 years. We have contributed to climate change, and now climate change is impacting our lives! In the recent years, we have experienced major droughts due to lack of rain, change of the Earth's temperature, and rising sea levels. There are over 40,000 endangered species and climate change is a big reason why this is happening.

As young scientists that you are, you will have an opportunity to help save endangered species. You will research an endangered species and find the contributing factors to their endangerment. Your extensive research and analysis will help prevent extinction!

Project Essential Questions

- How have humans contributed to climate change?
- How has climate change impacted endangered species?
- How can we educate the public about climate change, and inspire the public to protect our wildlife?

Project Objectives	NGSS Standards
<ol style="list-style-type: none">1. Explore atmospheric and oceanic currents and how they contribute to weather/climate.2. Make connections to how human actions impact the world's climates.3. Investigate, research, and compose a science article on how climate change affects endangered species.4. Create beautiful watercolor illustrations.5. 6th grade student collaboration between HTMCV & HTMNC.6. On and off site field experiences to embrace deeper learning.	<p>MS-ESS2-5: Collect data to provide evidence for how the motions and complex interactions of air masses results in changes in weather conditions.</p> <p>MS-ESS2-6: Develop and use a model to describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates.</p> <p>MS-ESS3-3: Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.</p> <p>MS-ESS3-5: Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century.</p> <p>MS-PS3-4: Plan an investigation to determine the relationship among the energy transferred, the type of matter, the mass, and the change in the average kinetic energy of the particles as measured by the temperature of the sample.</p>

Final Product

As a collaborative project between the Chula Vista and North County campuses, you and your peers will be creating and publishing a children's book detailing your chosen endangered species challenge with the impacts of climate change. You will also be creating a watercolor illustration of your endangered species that will be included in the children's book. Our created children's book will be used to help educate the youth, and the public, on how human impact has become problematic for our wildlife.

Exhibition

Exhibition Location: Site to be announced!

Date: December 8th, 2016

