

PROJECT OVERVIEW

Inspired by the film: In this selected clip from *A Climate for Change*, we are introduced to Professor Camille Mora, who is on a mission to plant 5,000 trees on Oahu to combat Climate Change, with a long-term goal of planting 1 million trees annually. With the help of volunteers, we follow his journey of hosting the first volunteer event where thousands of trees were planted in one day.

ESSENTIAL QUESTION for the PROJECT:	How can carbon sinks offset carbon emissions in our community?	
PROJECT OVERVIEW:	Students will create a carbon sink to offset carbon emissions in their community. They will calculate the emission offset to see what their impact is over time.	KEY VOCABULARY: Carbon sink Carbon emissions Carbon offset Carbon dioxide Sequestration
SELECTED KEY SKILLS: <i>Teachers can modify the selected key skills based on scope and need.</i>	<ul style="list-style-type: none"> ● Reflection ● Collaboration ● Communication ● Research ● Data Collection ● Observation 	
SELECTED KEY CONTENT & PERFORMANCE: <i>Teachers can modify the selected key content based on scope and need. All projects are designed to be interdisciplinary and to address multiple content performance standards.</i>	<ul style="list-style-type: none"> ● CCSS.ELA-LITERACY.WHST.6-8.1 Write arguments focused on discipline-specific content. ● CCSS.ELA-LITERACY.WHST.6-8.9 Draw evidence from informational texts to support analysis, reflection, and research. ● CCSS.MATH.CONTENT.7.RP.A.2 Recognize and represent proportional relationships between quantities. ● CCSS.MATH.PRACTICE.MP4 Model with mathematics. ● NGSS MS-ESS3-3. Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment. ● NGSS MS-ESS3-4. Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems. ● NGSS MS-ESS3-5. Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century. 	