

PROJECT OVERVIEW

Inspired by the film: In this selected clip from *A Climate for Change*, we are introduced to the Tyson family, who has lived for 14 generations on the banks of the Wainiha River and whose ancestors were the konohiki. They share their experiences since the 2018 Kauai Flood and the trauma of living with a river whose behavior they no longer recognize due to climate change.

ESSENTIAL QUESTION for the PROJECT:	How can we better understand and predict the behavior of our local stream, and prepare for the future?	
PROJECT OVERVIEW:	Through the experience of learning about the streams in their community watershed, students will design and present a Stream Plan prototype to address flooding in Hawaii.	KEY VOCABULARY: Konohiki Sea-level rise Climate change Flooding Stream Ahupua'a Water quality Watershed Ecosystem
SELECTED KEY SKILLS: <i>Teachers can modify the selected key skills based on scope and need.</i>	<ul style="list-style-type: none"> ● Collaboration ● Communication ● Reflection ● Story-telling ● Data analysis ● Persuasive speaking/writing ● Research ● Understanding multiple perspectives 	
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"> ● NGSS MS-LS2-1 Ecosystems: Interactions, Energy, and Dynamics Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem. ● NGSS MS-ETS1-1 Engineering Design Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions. ● C3 Framework D2.Geo.2.6-8. Use maps, satellite images, photographs, and other representations to explain relationships between the locations of places and regions, and changes in their environmental characteristics. ● C3 Framework D2.Geo.4.6-8. Explain how cultural patterns and economic decisions influence environments and the daily lives of people in both nearby and distant places. ● C3 Framework D4.2.6-8. Construct explanations using reasoning, correct sequence, examples, and details with relevant information and data, while acknowledging the strengths and weaknesses of the explanations. ● CCSS.ELA-LITERACY.RST.6-8.7 Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table). 	