



CLIMATE INNOVATION CHALLENGE

New Mexico CLIMATE INNOVATION CHALLENGE

The first annual Climate Innovation Challenge will kick off in the beginning of the 2019/2020 school year providing New Mexico teachers with a climate adaptation curriculum that meets both Next Generation and NM STEM Ready Science Standards while encouraging civic-minded and creative solutions to climate change at the local level.

Teacher video production and curriculum training September 7th 10-5pm at Bosque School, Albuquerque NM.
Register for the training at cavu.org/CIC



Students will produce a three minute video or presentation that evaluates a specific climate vulnerability or impact and presents a creative adaptation solution.



Free resources for teachers and students, including supplemental curricula and tutorial videos, are available at CAVU.org/CIC. Additionally, CAVU staff will mentor select schools (based on need for equitable access) to supplement classroom lessons with video/editing instruction, project development/guidance and guest speakers.



In January of 2020, videos will be showcased for community leaders across New Mexico and evaluated by a panel of judges for awards at the elementary, middle and high school levels. Winning projects will also be shared with the State Legislature during the 2020 session!



Students will learn leadership and storytelling skills while gaining a comprehensive understanding of small and broad-scale climate adaptation science and programs.



This project aims to reshape the discourse about climate change, empowering today's children to envision their positive impact on tomorrow's planet—creating both hope and resiliency.



The Video Challenge

CAVU will be working directly with interested teachers to provide an overview of our climate adaptation lesson plans and video-making tutorials using low-cost equipment and techniques. CAVU will provide tutorial and example videos for use in the classroom in both English and Spanish, as well as bilingual curriculum.

GUIDELINES

- * Students will create a short video (3 minutes max) that explains an adaptation idea they have or project they have done that has made them, their home, their family, their community, and/or their environment more resilient.
- * Submissions will be accepted from groups of 1-5 students.
- * Projects will address adaptation specifically.
- * Projects can have a mitigation component, but they must primarily target adaptation. For example, solar panels can be used to reduce a home's carbon footprint, but they can also make sure that the occupants have access to air conditioning during summer blackouts. If that were your project, you can mention the mitigation effect but you must focus on the adaptation goal.

CURRICULUM

- * Climate Vulnerability Assessments
 - ESS 3.D
 - HS LS 2.C
 - HS ESS 3-5
 - HS ESS 3-1
- * Climate Adaptation Planning
 - LS 4.D
- * Generating Adaptation Ideas
 - Crosscutting ideas: Cause and effect, systems and models
- * Implementing Climate-Smart Management (*Integrating adaptation into decisionmaking*)
 - ETS 1. B
 - HS SS-2 NM
 - HS LS 2-7
- * Digital Storytelling
 - CCSS ELA WHST.11-12.1

EXAMPLES

- * Resilience to natural disasters
Example: Creating home "wildfire preparedness kits"
- * Human systems
Example: Organizing a community emergency response team
- * Species and wildlife adaptation
Example: Planting pollinator-friendly species
- * Urban adaptation
Example: Painting pavement white to reduce urban heat island effect
- * Community/society/culture
Example: Finding culturally permissible substitutes for plants or trees needed for a particular ritual or cultural function (eg. Christmas trees)
- * Food and agriculture
Example: Determining more efficient ways to use irrigation water
- * Hydrology and soil
Example: Erecting check dams and swales to improve infiltration in backyard/sidewalk
- * Transportation
Example: Placing a rock rundown on the downstream side of a culvert



Technical specifications for video entries, releases, and official rules and resources can all be downloaded at CAVU.org
Sponsorship opportunities available! Please inquire at Maria@cavu.org

REGISTER NOW AT CAVU.ORG/CIC