



NGSS Standards Alignment

CHALLENGE OVERVIEW:

If you are a 9-12th grade student in the United States, your challenge is to research past and future impacts of climate-related hazards in your community, including drought, wildfire, flooding, and extreme heat, then develop a proposed action to help build a more resilient community. Your entry must be original and include a title (50 characters max), a written explanation of your proposed climate action (200 words max), and an image (max 3GB) of a “poster” that supports your climate action. The poster can be a digital design or a photo of a hand-made poster. Your climate action should explain at least one way your community can prevent, withstand, respond to, or recover from a climate-related event. Your entry should also address how you plan to make your solution a reality (ex. start an organization, a company or create/sell a product). The grand prize winner will present their poster at the in Columbus, Ohio and receive a \$5,000 STEM grant for their school, non-profit, library, or education organization. The 2nd - 5th place finalists will receive a \$1,500 STEM grant for their school, non-profit, library, or education organization. [Innovations in Climate Resilience Conference](#) in Columbus, Ohio and receive a \$5,000 STEM grant for their school, non-profit, library, or education organization. The 2nd - 5th place finalists will receive a \$1,500 STEM grant for their school, non-profit, library, or education organization.

Entries are due on February 7, 2025, by 8:59 p.m. PT.

CHALLENGE WEBSITE: www.futureengineers.org/battelleclimatechallenge

NGSS Standard	Topic and Disciplinary Core Idea/s
HS-ESS3-1	Earth and Human Activity: Natural Resources; Natural Hazards
HS-ESS3-2	Earth and Human Activity: Natural Resources; Developing Possible Solutions
HS-ESS3-4	Earth and Human Activity: Human Impacts on Earth Systems; Developing Possible Solutions
HS-ESS3-5	Earth and Human Activity: Global Climate Change
HS-ESS3-6	Earth and Human Activity: Weather and Climate; Global Climate Change
HS-ESS2-4	Earth’s Systems: Earth and Solar System, Earth Materials and Systems; Weather and Climate
HS-ESS2-6	Earth’s Systems: Weather and Climate
HS-ETS1	Engineering Design: Defining and Delimiting Engineering Problems; Developing Possible Solutions; Optimizing the Design Solution