Committed to Climate and Energy Education

CLEAN STEM *FLASH*

Extreme Heat

A Timely "Extreme Heat" E-Learning Series to Use and Share
June 15, 2022

- Activity: Rooftop Gardens
- Video: Chicago Fights Extreme Urban Heat With Greener Ideas
- Article: Heat Waves and Climate Change

Hello {First Name},

Extreme heat has been rising due to climate change, impacting health and ecosystems. Here are resources you can use to teach about heat-related topics in your classroom, including extreme urban heat, how the increase in heat waves is impacting communities, and how to build resilience in response to these challenges.

Explore the CLEAN Collection

New Newsletter for the CLEAN Network

CLEAN is introducing a new newsletter! The **new CLEAN Network Newsflash** will be tailored toward members of our CLEAN Network, including upcoming events from Network members, the CLEAN community calendar, webinars, teleconferences, social media highlights, and more.

This existing CLEAN STEM Flash newsletter will be rebranded as the **CLEAN Teacher Newsflash**, with classroom-ready resources from our Collection developed specifically for teachers. Follow the link

below to subscribe to the new CLEAN Network Newsflash!

Sign up for the Network Newsflash

CLEAN Resource Feature: Activity

TeachEngineering
Ignite STEM learning in K-12

HANDS-ON ACTIVITY
Rooftop Gardens

What are the benefits of green roofs?

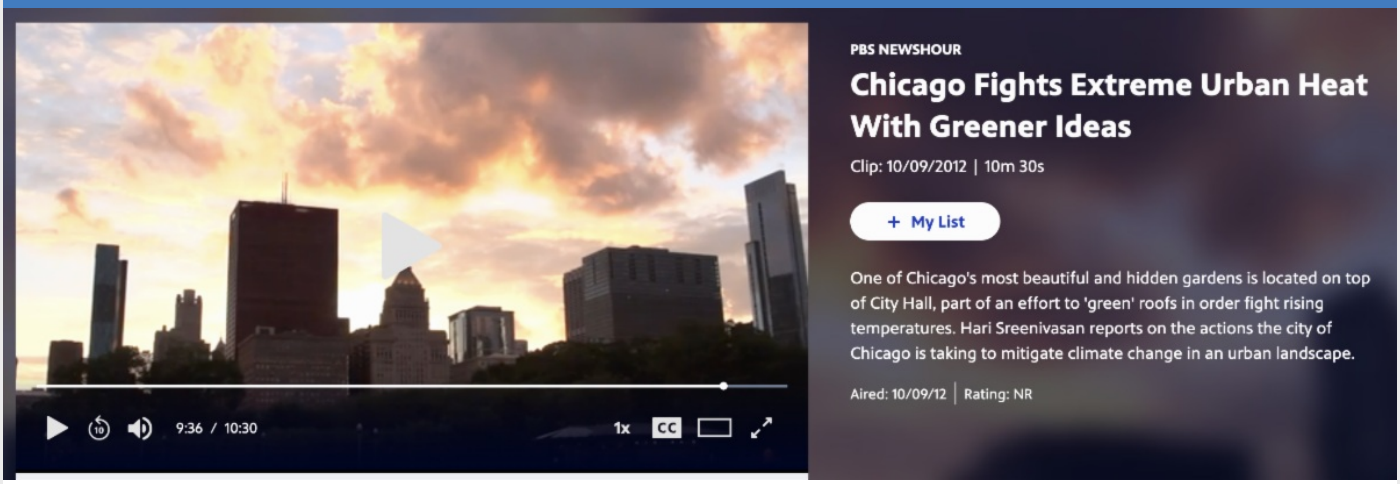
Students record the temperatures of their two model buildings, one with a black roof and the other covered with plants.

Activity: Rooftop Gardens
Audience: Middle School, High School, College (Lower)

This activity allows students to explore whether rooftop gardens are a viable option for combating the urban heat island effect. The guiding question is: Can rooftop gardens reduce the temperature inside and outside of houses? The activity takes about 2 hours with extra time for students to gather materials and develop design plans.

Learn More

CLEAN Resource Feature: Video



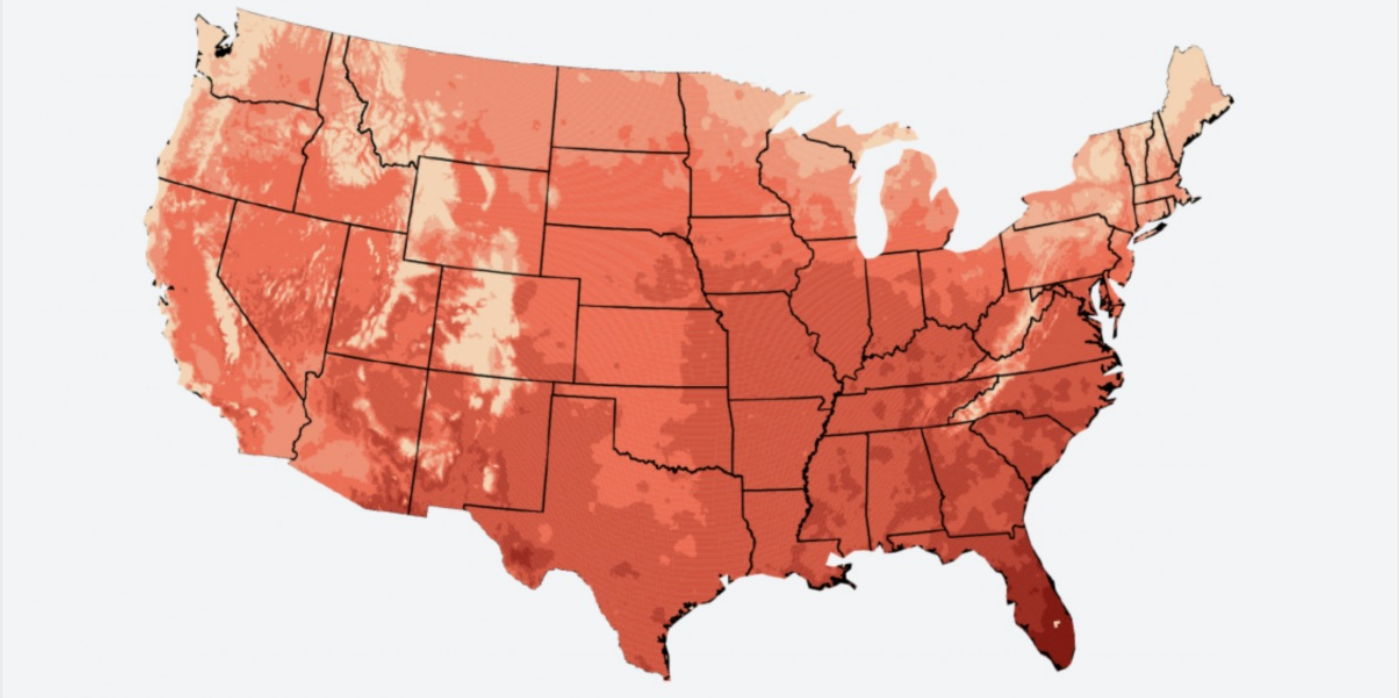
Video: Chicago Fights Extreme Urban Heat With Greener Ideas

Audience: Middle School, High School, College (Lower & Upper)

This segment from PBS's Coping with Climate Change series reports on the actions the city of Chicago is taking to mitigate climate change in an urban landscape. This piece is narrated by Hari Sreenivasan.

Learn More

Read: Heat Waves and Climate Change

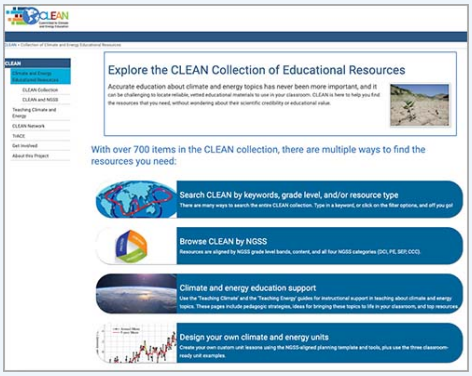


Article: Heat Waves and Climate Change

"Over the past decade, daily record high temperatures have occurred twice as often as record lows across the continental United States, up from a near 1:1 ratio in the 1950s. Heat waves are becoming more common, and intense heat waves are more frequent in the U.S.," says the Center for Climate and Energy Solutions.

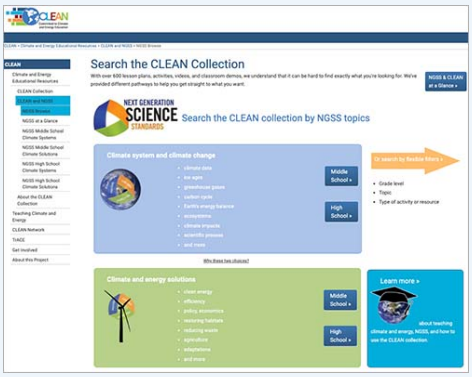
Read More

Other CLEAN Resources



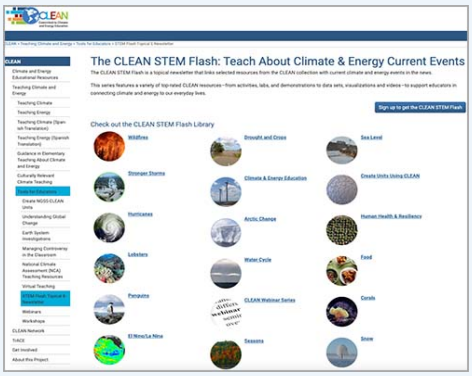
Accurate education about climate and energy topics has never been more important, and it can be challenging to locate reliable, vetted educational materials to use in your classroom.

Explore the CLEAN collection of climate & energy learning resources



CLEAN supports teaching and learning about climate and energy with 850+ free peer-reviewed, scientifically accurate, and classroom-ready resources.

Browse the CLEAN collection by NGSS topics



CLEAN supports teaching and learning about climate and energy with 850+ free peer-reviewed, scientifically accurate, and classroom-ready resources.

Check out the CLEAN STEM Flash Library of past issues

CLEAN is funded by grants from the National Oceanic and Atmospheric Administration (NA12OAR4310143, NA12OAR4310142), the National Science Foundation (DUE-0938051, DUE-0938020, DUE-0937941) and the Department of Energy.

Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

Received this as a forward? Sign up to get future issues sent to your inbox.

CIRES Education & Outreach | University of Colorado Boulder, Boulder, CO 80309

Unsubscribe ciresoutreach@colorado.edu

Update Profile |Constant Contact Data Notice

Sent byclean@colorado.edupowered by

Constant Contact

Try email marketing for free today!