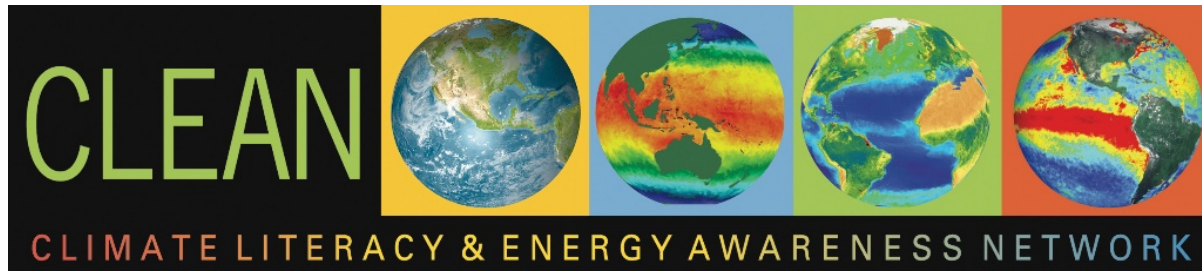
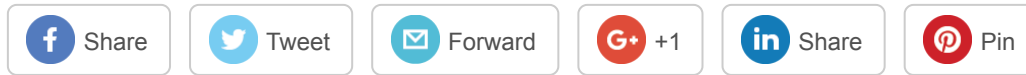


[Subscribe](#)[Past Issues](#)[Translate ▾](#)[View this email in your browser](#)

[Climate Mitigation](#) | [Climate Resiliency](#) | [Carbon Cycle](#) | [AGU Conference](#)

CLEAN STEM Flash

A Timely Climate and Energy E-Learning Series to Use and Share

December 11th, 2019

Topic: The Game is Afoot

Everyone loves to play games! That's why we created this STEM Flash where we share our favorite learning-oriented games.

CLEAN Resource Feature

Activity: [Stabilization Wedges Game](#)

This activity is perfect for any educator looking to incorporate a team-based game into their lessons on greenhouse gases and current technologies that can provide a solution to the problem at hand.

Audience: High School

Instruction Time: Three class periods, 45 minutes each

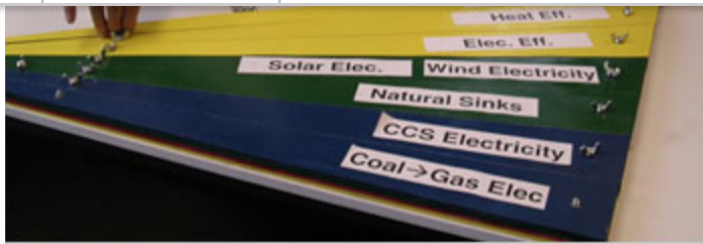
Browse CLEAN for more resources related to [climate mitigation](#).

Students fill in eight climate stabilization wedges to learn more about the current strategies available for climate mitigation. The

Subscribe

Past Issues

Translate ▾



eight different climate-cutting strategies to complete the climate mitigation portfolio.

CLEAN Resource Feature

Activity: [Beat the Uncertainty: Planning Climate- Resilient Cities](#)

This activity introduces students to the concept of climate resiliency through an interactive game where they test their resilience designs against severe impacts from climate change.

Audience: Middle School, High School

Instruction Time: One to two class periods, 45 minutes each

Take a look at some more CLEA resources focused on [climate resiliency](#).

Students role play as urban citizens, policymakers, business leaders, nonprofit leaders, and researchers in a coastal city to make smart planning designs about climate resiliency. These decisions will manifest into a resiliency plan to be matched against climate impacts such as severe weather and natural hazards.



CLEAN Resource Feature

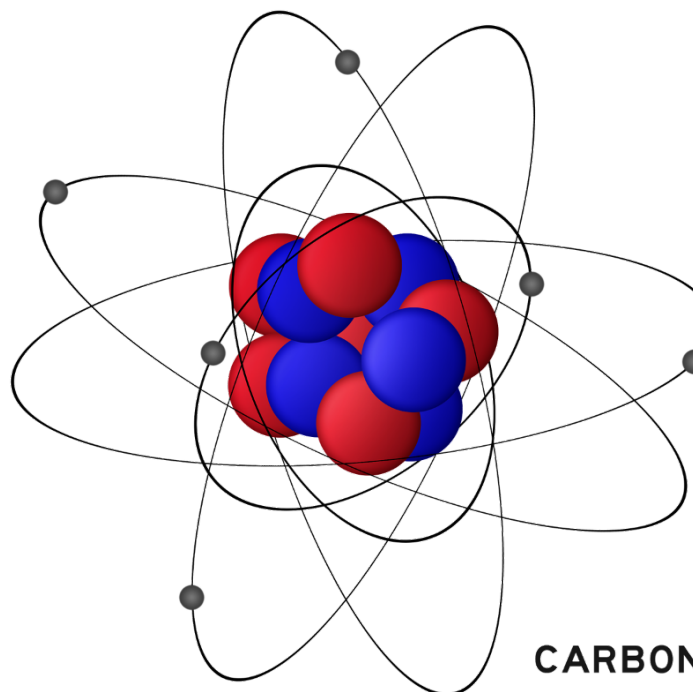
Additional Resources: [Using the Carbon Cycle Interactive Game in the Classroom](#)

Using an online platform, students learn how carbon cycles through the Earth system, and the impacts/benefits it has on the overall environment.

Audience: Middle School, High School

Instruction Time: 20 minute class time, plus additional assessment

This online game allows students to explore the carbon cycle as a carbon atom to get a more in-depth understanding of the role carbon plays. Subsequently, this lesson plan outlines discussion questions and assessment techniques once the game is completed.



AGU Conference and CLEAN Presentations

The Climate Literacy and Energy Awareness Network ([CLEAN](#)) is hosting a workshop for our community:

"Building Inclusive Strategies with Diverse Communities and Cities to Address Climate Change"

- Location: Moscone South, Lower Lobby - Room 4
- Date and Time: 12/13/2019, 8:00AM - 11:00AM

Here is more [information and a free registration](#).

Please consider registering, but you can also join us the day of the workshop even if you didn't register.

[Subscribe](#)[Past Issues](#)[Translate](#) ▼

Explore the **CLEAN** collection of climate & energy learning resources

CLEAN supports teaching and learning about climate and energy with 700+ free peer-reviewed, scientifically accurate, and classroom-ready resources.

[Browse](#) the CLEAN collection by NGSS topics.

Check out the [CLEAN STEM Flash Library](#) of past issues.

Received this as a forward? [Sign up](#) to get future issues sent to your inbox.



Science Education Resource Center @ Carleton College

Copyright © 2019 CIRES Education Outreach. All rights reserved.

clean@colorado.edu

Subscribe

Past Issues

Translate ▼

[Administration](#) (NATZORNTS10143, NATZORNTS10142), the [National Science Foundation](#) (DUE-0738031, 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.

[unsubscribe from this list](#) [update subscription preferences](#)

