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CLEAN STEM Flash

A timely climate and energy e-learning series to use and share

Topic: Food for Thought

With Thanksgiving around the corner, check out these CLEAN climate and energy resources that focus on food.

CLEAN Resource Feature

Activity: How Much Energy is on My Plate?

This activity leads students through a sequence of activities that highlight the embodied energy that is necessary to produce various types of food.

Audience: High school through college students

Learn more about teaching energy topics at CLEAN.

The topic of the energy requirements of food production could fit into a course on energy, environmental science, policy, or human health. The activity contains several parts which can be

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CLEAN Resource Feature

Video: Science for a Hungry World: Agriculture and Climate Change

This video explores the relationship between climate and agriculture and how satellite observations and climate models track and predict the challenges farmers face.

Video length: 5:12 min.

Learn more about teaching climate topics at CLEAN.

This NASA-produced video discusses the variability of climate impacts in different regions, as well as the effects of population growth and higher demands for food in areas that already struggle to supply food for the people.

Climate & Energy in the News

Watch "Wasted Food is Wasted Energy" from Popular Science and learn what we can do to solve this growing problem.



Explore the CLEAN collection of climate & energy learning resources

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

Browse the CLEAN collection by NGSS topics.

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