

Educators Newsletter

Spring 2022



Clean Energy Collaborations

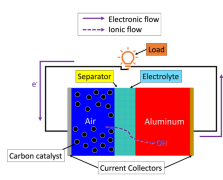
The Clean Energy Institute recently had the opportunity to collaborate with a high school earth science teacher in Great Falls, Montana, to design a week-long clean and renewable energy unit for 9th and 10th grade students. This was a learning experience for all involved, including our Clean Energy Graduate Fellows who participated in this virtual outreach event.

READY TO GO RESOURCES: THE CHEMISTRY & MATH OF CLEAN ENERGY



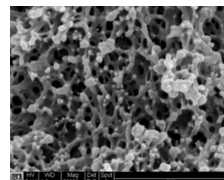
[Xiao Lab at the UW](#)

Watch a tour of Diane Xiao's Lab led by CEI graduate student researchers.



[Lesson Plan: Aluminum Air Battery](#)

Use everyday materials, including aluminum foil, salt water, charcoal, and copper foil, to build a non-rechargeable



[Video: Mathematics of Porous Materials](#)

See how extremely high surface area can be useful for making high capacity battery electrodes.

battery cell capable
of powering an LED.

SUPPORTING ENERGY EDUCATION IN WASHINGTON STATE



Clean energy ambassadors

Outreach to the university, K-12 students, and public is an important part of the CEI mission – whether in-person or virtual. Sign up for a classroom or virtual visit from our Clean Energy Ambassadors.

Clean energy lesson plans

CEI has developed 27 lesson plans that highlight clean energy science and STEM skills needed for research. These NGSS-aligned lessons for elementary, middle school and high school can be freely downloaded.

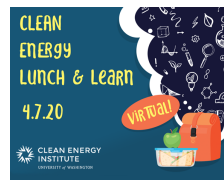
OTHER RESOURCES



Hands-On Kits [Sign up](#) to receive a free class set of SunDawg Bags to hear your students learn the science of clean energy.



The UW Molecular Engineering Materials Center (MEM-C) is still accepting applications for our summer Research Experience for Teachers (RET). Learn more here: [MEM-C RET](#)



Learn about clean energy research from UW scientists at our upcoming [virtual Lunch & Learn on April 7](#) from 11:50 am - 12:45 pm PST.

Clean energy ambassadors satellites

The Clean Energy Institute has equipped the [Science in Action](#) team at Gonzaga University with a complete solar car derby setup and desktop display signs for solar technology. Each quarter a new group of students gives back by visiting Spokane area classrooms. This expands our satellite program including the [Collins Research Group](#), at WSU which is ready to visit Pullman area schools.

CEI videos and demos



Find more [educational videos and demos about clean energy research!](#)

Get your classroom SunDawg Bag

Interested in demonstrating solar energy in your classroom? Elementary teachers in Washington State can sign up to receive a SunDawg bag. The kit contains 2 solar cars, reflectors, filters and lesson plans. [Sundawg bag sign up](#)



Visit the [Clean Energy Institute website](#) for many more lesson plans and resources.

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