



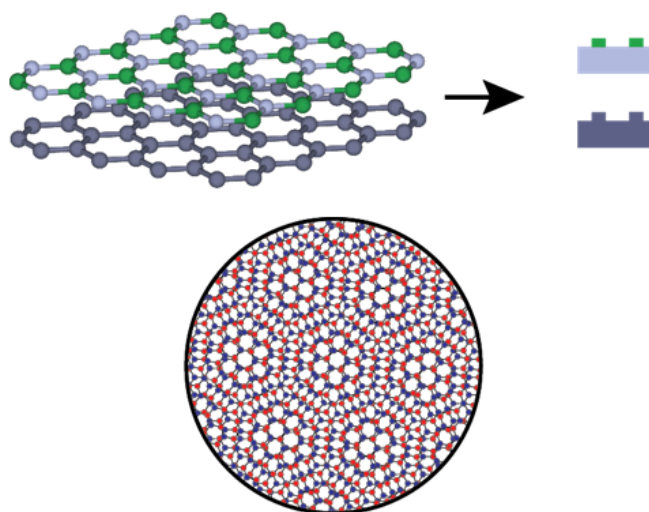
UNIVERSITY of WASHINGTON



CLEAN ENERGY
INSTITUTE

Educators Newsletter

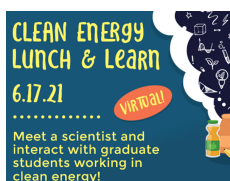
Fall 2021



LAYERING DOWN TO THE 2D LIMIT

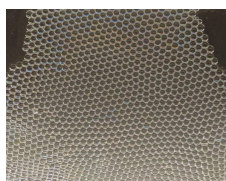
Read about the history and applications of 2D materials, written by CEI graduate fellow, [Kyle Hwangbo](#). You can learn more about 2D materials concepts at our upcoming [lunch and learn](#) on Dec. 14th at 11:45 am.

READY TO GO RESOURCES: EXPLORATION OF LOW-DIMENSIONAL MATERIALS AND THEIR APPLICATIONS



Lunch & Learn

UW CEI fellows discuss electron microscopy, crystals, waves, and their path to becoming a scientist.



Lesson Plan: Bubble raft

Visualize 2D crystals with a bubble raft model.



Video: Lab Tour

Learn how UW CEI researchers test materials for quantum computing.



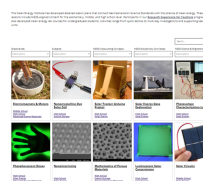
Clean energy ambassadors

Outreach to the university, K-12 students, and public is an important part of the CEI mission – whether in-person or virtual. Please [complete this short survey](#) to help us learn how we can support you and your students with virtual outreach this year.

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



Applications for CEI's [Research Experience for Teachers](#) are due February 15, 2022. Please encourage community college teachers or [undergrads](#) you know to apply!

Applications for the UW Molecular Engineering Materials Center (MEM-C) Research Experience for Teachers (RET) are due February 15, 2022. Get paid to do summer research and create lessons! [MEM-C RET](#)

[We updated our website.](#) You can now search for lessons by grade, subjects, and NGSS connections!

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 signup](#)

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