

CLEAN ENERGY

Educators Newsletter

Winter 2020



Research Experience for Teachers

Science teachers head back to the lab to bring state-of-the-art research to their classrooms. Apply for the summer Research Experience for K-12 Teachers ([MEM-C RET](#)) or the Research Experience for Community College Instructors ([CEBR RET](#)).

[READ THE FULL STORY HERE](#)



READY TO GO RESOURCES: ENERGY FOR TRANSPORTATION

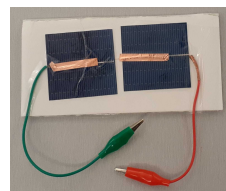
Transportation of people and goods consumes 28% of the energy used in the US each year. Researchers are trying to find ways to replace fossil fuels with renewable energy sources.



**Science Reading:
Energy for
Transportation**



Solar Car Derby



How can we find another energy source for transportation?

Model cars, solar panels, a race track and lights or a sunny day makes for an exciting classroom event.

Make a Mini Solar Panel

With some loose solar cells and copper tape, you can make a panel to power a model solar car.

SUPPORTING ENERGY EDUCATION IN WASHINGTON STATE



CLEAN ENERGY LESSON PLANS

Clean Energy Ambassadors

Outreach to the university, K-12 students, and public is an important part of the CEI mission. We want to get students interested in STEM careers by connecting them with our graduate fellows who share their enthusiasm for science and engineering.

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, and high school can be freely downloaded.

OTHER RESOURCES

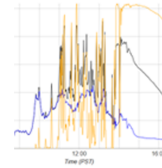


Have your students consider possible clean energy careers and how to get there.

[Careers Link](#)



The Molecular Engineering Materials Center (MEM-C) at UW has a Research Experience for Teachers (RET) program. Get paid to do summer research and create lessons. [MEM-C RET](#)



Today's solar energy in Seattle in a real time graph. The gold line is the direct radiation and the blue is the indirect.

[CEI Radiometer](#)

Clean Energy Ambassadors Satellites

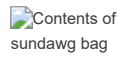
The Clean Energy Institute has equipped the [Science in Action](#) team at Gonzaga University with a complete solar car derby setup and desktop display signs for solar technology. Each quarter, a new group of students gives back by visiting Spokane-area classrooms. This expands our satellite program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

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