



Educators Newsletter

January 2023

CLEAN ENERGY RESEARCH



Discovering new materials using computers

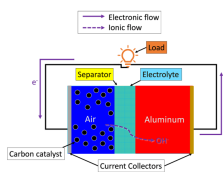
Learn from CEI Graduate Fellows Doris Hung and Xiaofeng Xiang about how they use computers to discover new materials for solar energy and battery storage.

CLASSROOM RESOURCES



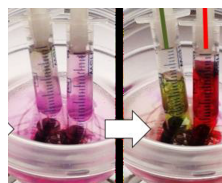
Handout: English/Spanish Climate Science Handout

Detailed English/Spanish glossary focused on climate sciences and clean energy terms to help students within Spanish speaking communities to



Lesson Plan: Aluminum Air Battery

Use everyday materials, including aluminum foil, salt water, charcoal, and copper foil, to build a non-rechargeable battery cell capable of powering an LED.



Lesson Plan: Electrochemical Chameleon

Perform an electrolysis reaction, a reaction that separates water into hydrogen and oxygen, the products of which can be used in hydrogen fuel cells.

better communicate
these topics.

OPPORTUNITIES



Classroom visits from 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.



Summer research opportunities for teachers

The UW Molecular Engineering Materials Center ([MEM-C](#)) is accepting applications for its summer research experience for middle and high school teachers and [CEI](#) is accepting applications for its **program** for local community college teachers.

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

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