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