

## Let's power education

SMUD promotes energy education and career awareness to students and teachers throughout the region. We work closely with our education partners and community stakeholders to reach thousands of students and teachers each year. Please contact us for more information about bringing any of our programs or activities to your schools.



## Additional resources for teachers and schools

### Exhibits, materials and resources

- **EnergySmart Home and Teaching Through Solar** – exhibits in the SMUD Customer Service Center are open to the public
- SMUD employees teach electrical safety and awareness using the **Safety Board** in K-6 classrooms
- **Guided tours** of SMUD facilities highlight energy efficient building design and technologies, HVAC and lighting, and energy related careers
- **Bi-annual Energy Education newsletter** highlights STEM and energy-related activities
- SMUD supports energy-themed high schools by offering **subject matter experts** to provide tools that support curriculum
- **Free residential and commercial classes** focus on new technologies and energy efficiency in lighting, building design, renewables, emerging technology and more

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### Learn more

For more information about SMUD's education outreach, please contact:

**Energy Education & Technology Center**  
6301 S Street, Mailstop A226  
Sacramento, CA 95817  
ETCmail@smud.org | 916-732-6738

**Education Relations**  
6100 Folsom Blvd., Mailstop K108  
Sacramento, CA 95819  
educationoutreach@smud.org | 916-732-6721



## Let's power education

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Our commitment to promoting energy education and career awareness.

Powering forward.  
Together.



## Teacher training and student engagement

SMUD offers professional development workshops for teachers in science, technology, engineering and math (STEM) with a focus on energy and sustainability. The following resources help teachers develop STEM-related projects.



- **Free teacher workshops** on STEM-related subjects, e.g. solar, electricity
- Hands-on **teacher externships**
- Solar Schoolhouse Summer Institute **teacher scholarships** include building various solar powered devices
- **Solar Champion Project** – teacher training and solar kits for grades K-6
- **Online video lessons** about basic energy auditing and solar
- Support from **SMUD's Subject Matter Experts** to highlight changes in the industry so that students can stay competitive in the workplace
- **Conduct mock interviews** to help students prepare for their first interview



## Career awareness and support

SMUD programs encourage students to connect their interests today and career possibilities tomorrow so that they are more interested in attending and succeeding in school.

**Career exploration activities offered by SMUD include:**

- **Career Ambassadors** provide employee-inspired learning to help students connect their current classes with potential careers
- High school and college **internships**
- **Job shadowing**
- **Hands-on UC Davis STEM** summer camp (Tech Trek) for rising 8th grade girls
- **Careers in Energy Week Competition** helps high school and college students learn about our industry
- **SMUD's Energy Efficiency and Career Exploration Program** helps students learn about energy efficiency concepts and careers and conduct an energy audit on a local business
- **SMUD Scholarships** – students can receive up to \$5,000

## Signature energy and conservation events and project-based learning

SMUD provides support and resources to help develop the next generation of energy leaders.

- Northern **California Solar Regatta** – high school and college students design, build and race solar powered boats
- **Solar Car Race** – high school students build and race model sized solar power cars
- **Tiny House Competition** – college level competition to design and build the best net-zero, off-grid, 100-400 sq.ft. solar house
- **Electricity Fair** – attendees learn about power and electricity through interactive booths and displays

