




# Free Energy Education Offerings

## K-12 Outreach

- **What:** Active, place-based, and culturally responsive clean energy lessons; custom clean energy camps
  - **Who:** K-12 students in Alaska
  - **Where:** State-wide, in-person and virtual
  - **Duration:** From one-time lessons to semester-long projects
  - **Program Examples:**
    - Lessons taught using curricula from [AK EnergySmart \(akenergysmart.org\)](#), [Wind Wise](#), and [NEED](#)
    - Multi-year [Weather station](#) loans for place based, student-led research projects
    - Semester-long energy efficiency and engineering design challenges
    - Hands-on activities including classroom energy-use assessments, model wind turbine blade construction, model solar panel activities, and more
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- A decorative graphic located at the bottom right of the slide. It consists of a central cluster of colorful circular icons connected by thin black lines, resembling a network or molecular structure. The icons include symbols for a lightbulb, a gear, a person, a speech bubble, a magnifying glass, a leaf, a recycling symbol, a flask, and various letters like 'APC' and 'P'. The colors used are shades of blue, green, orange, and grey.

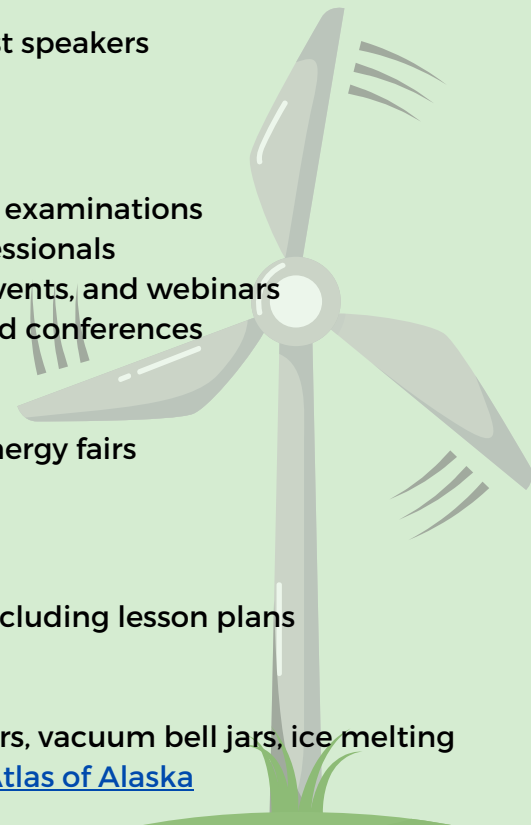


### **Educator Trainings** (continuing education credit available)

- **What:** Introduction to free curricula and practice of hands-on lessons
  - **Who:** K-12 teachers and informal educators (including parents)
  - **Where:** State-wide, in-person and virtual
  - **Duration:** From 30-minute presentations to two-day trainings
  - **Examples:**
    - Conferences
    - In-service presentations
    - Two-day teacher trainings
  - **Benefits:**
    - Intensive trainings provide continuing education credit for recertification and step promotions
    - All trainings include supplies that teachers can keep
    - In-person trainings include tours of local projects and local guest speakers
    - Virtual trainings include expert guest speakers
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## Adult Education

- **What:** Clean energy presentations from basic overviews to in-depth examinations
- **Who:** Anyone, including community leaders, business owners, professionals
- **Where:** Anywhere, including conferences, public and community events, and webinars
- **Duration:** From 30-minute presentations to intensive workshops and conferences
- **Examples:**
  - Hands-on workshops on energy efficiency and conservation
  - Presentations at community events and tables at community energy fairs
  - [Energy Speaker Series](#)



## Educator Kits

- **What:** Hands-on clean energy supplies for use in K-12 classrooms, including lesson plans
- **Who:** K-12 teachers and informal educators (including parents)
- **Where:** Statewide
- **Examples:** Model wind turbines and solar panels, electricity monitors, vacuum bell jars, ice melting blocks, multimeters, [Energy Saving Tips](#) guide, [Renewable Energy Atlas of Alaska](#)