PUD/ESD Energy Education Program

Fourth Grade Teacher Guide

We have provided your class with a presentation on electrical safety & hydropower along with handouts. These materials are provided to you on behalf of your county's Public Utility District (PUD) in efforts to instill vital electrical safety education to students. Our goal was to deliver this information around your *How Can We Provide Energy to People’s Homes* kit to coincide with student learning in science.

*Materials*:

The student quiz should be completed in class following the presentation to check for student understanding of electrical safety. **Please fill out teacher form with final grades and return via the provided envelope upon completion or download an electronic copy at** [**www.ncesd.org**](http://www.ncesd.org/) **(select Services, Science, Electrical Safety and Energy Education) to return via e-mail**. The student goodies are for fun interaction and to reinforce learning. We do ask you to request the return of the Parent Home Inspection Checklist to check for student/parent communication. Upon return please fill out the provided PUD Certificates and award to students**.**

These materials support the following Performance Expectations:

* 4-PS3-2. Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents.
* 4-PS3-4. Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.\*
* 4-PS4-3. Generate and compare multiple solutions that use patterns to transfer information.\*
* 4-ESS3-1. Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.

We thank you for being a part of the PUD/ESD Energy Education Program. If there are any questions regarding these materials or teaching instruction, do not hesitate to call.

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