



Explore: “Electrical Energy Users & Sources”

Electrical Energy Module

This hands-on activity provides students with the opportunity to reveal prior knowledge while generating interest in and curiosity about electrical energy by using the internet to research objects that use electricity.

This offline hands-on activity can be completed after participation in the online Explore.

Objective: Upon completion of this activity, students will have explored key concepts by examining their understanding of electrical energy and formulating ideas and questions to investigate as the module proceeds.

Estimated time for activity: 20 minutes

Materials:

- Student handout “Electrical Energy Users & Sources,” one copy per student
- Computers with internet access, enough for students to access them individually, at a center, or as a whole group

Procedure:

1. Distribute student handout “Electrical Energy Users & Sources,” one copy per student.
2. Search the internet for images of objects that use electricity and images of electrical energy sources.
3. Lead students in the completion of the student handout.
4. Use completed handouts to lead a group discussion about electrical energy users and sources.

Accommodations:

If students have difficulty completing the activity, a variety of accommodations can be employed.

- The activity can be completed at a center with an aide or with the teacher.
- The activity can be completed with the assistance of a peer buddy.
- The activity can be completed with a science buddy from an older grade.



Name: _____

Date: _____

Electrical Energy Users & Sources

What uses electricity?

Search the internet to find examples of objects that use electricity as an energy source.

Draw a picture of each electrical energy user you find. Be sure to label your pictures.

Where does electricity come from?

Search the internet to find examples of electrical energy sources.

Draw a picture of each electrical energy source you find. Be sure to label your pictures.
