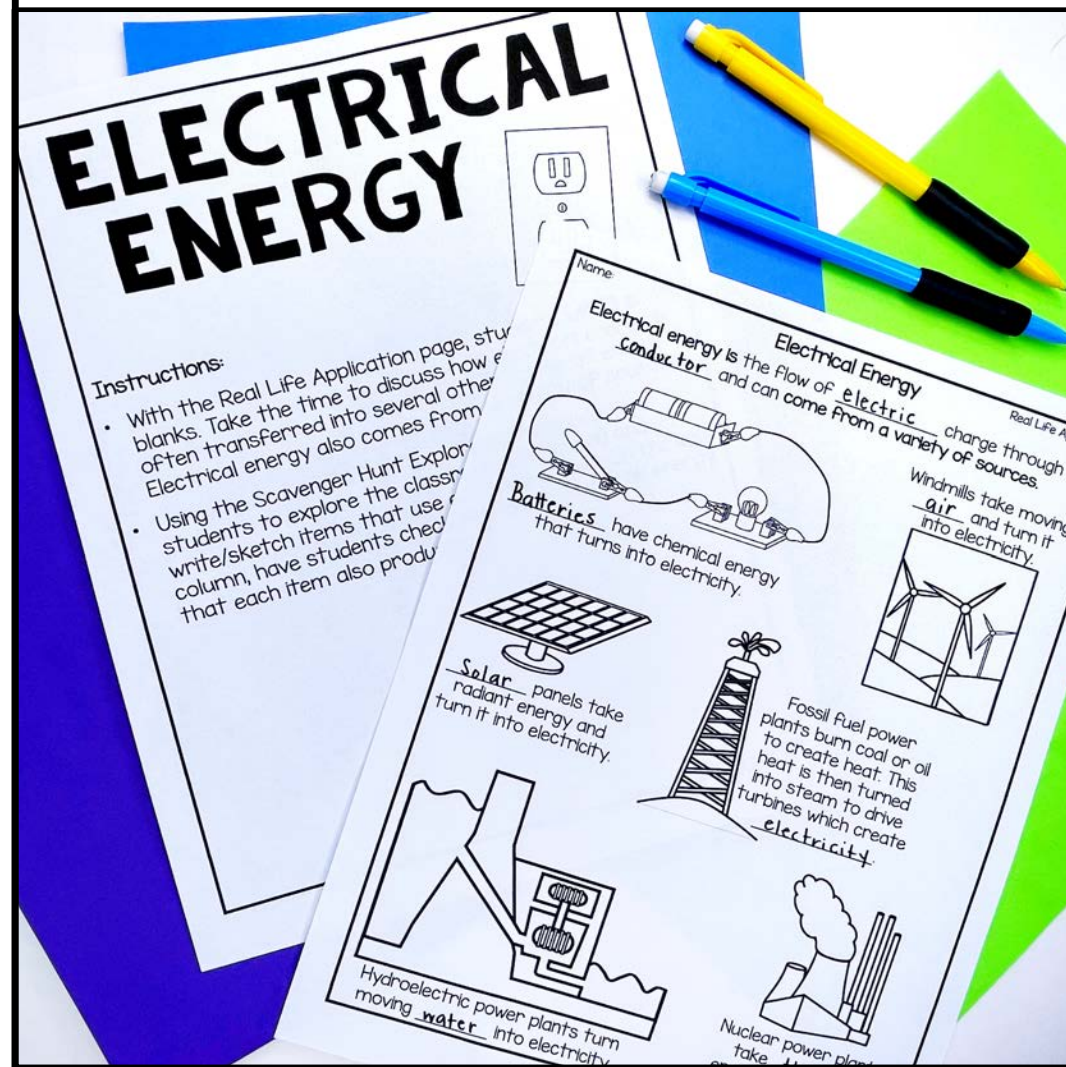


Struggling to find a hands-on way to teach electrical energy?

Don't spend any more time planning, searching, or brainstorming. Everything you need is in this easy to use download!



Electrical Energy

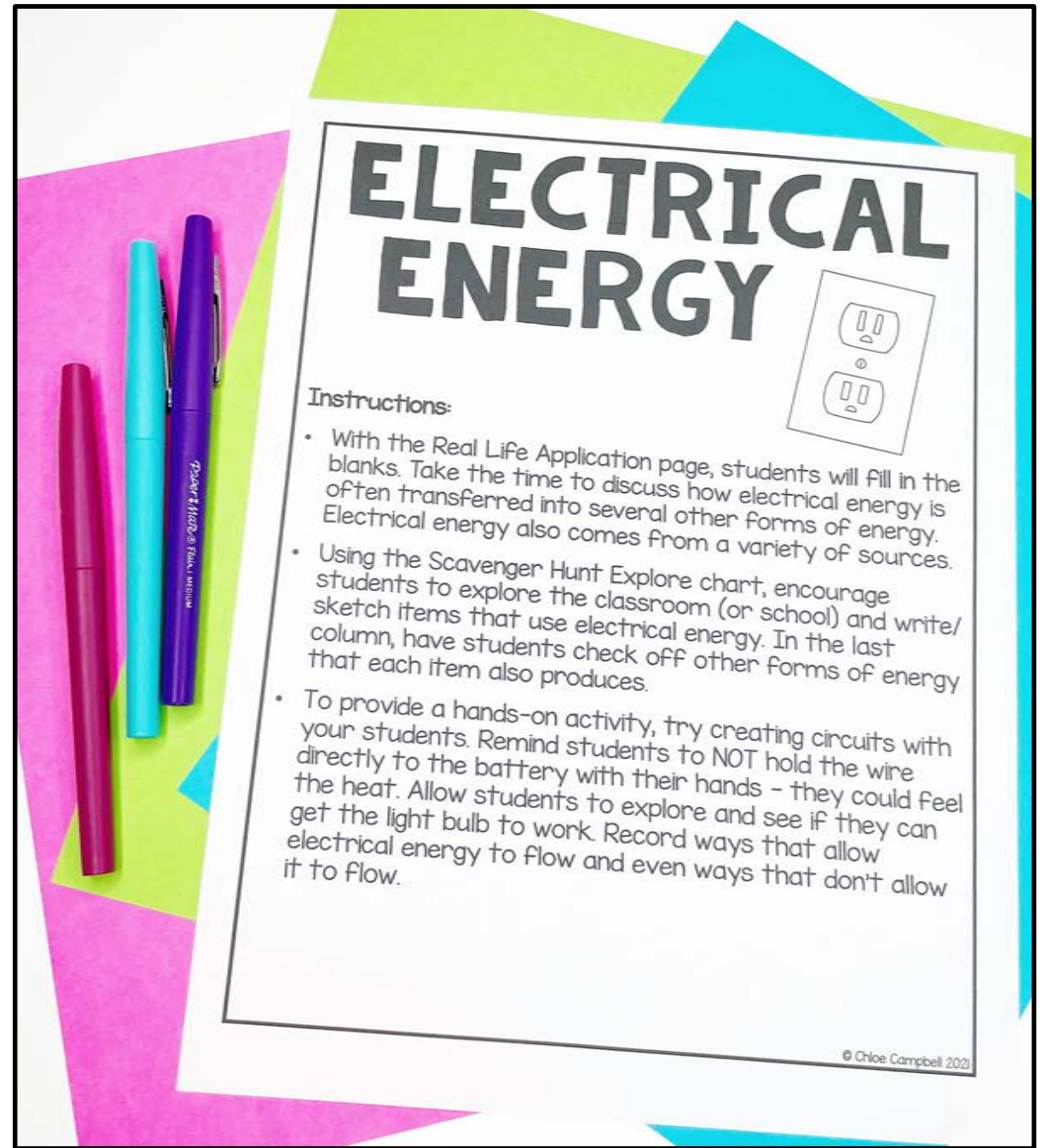
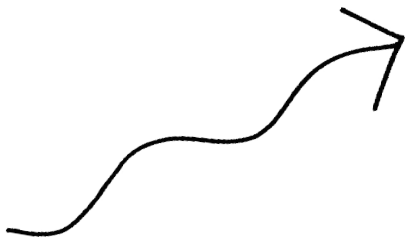


Includes:

- Teacher Directions
- Electrical Energy Real World Application
- Scavenger Hunt Activity
- Circuits Electricity Investigation
- 2 Exit Slip Options Available
- Mastery Tracking Sheet
- Answer Keys

Teacher Directions Pages

- Learning Goals
- Materials Needed
- Specific Directions for All Parts of Lesson



Hands-On Investigations

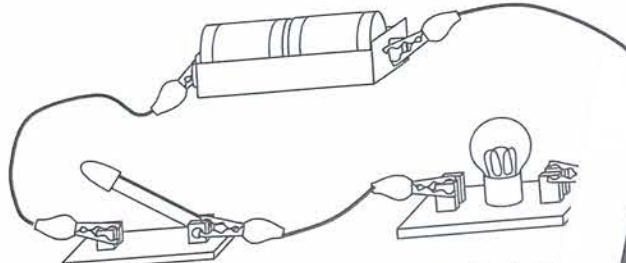
Real Life Application

Name: _____

Electrical Energy

Electrical energy is the flow of _____ charge through a _____ and can come from a variety of sources.

_____ have chemical energy that turns into electricity



Windmills take moving _____ and turn it into electricity.

Name: _____

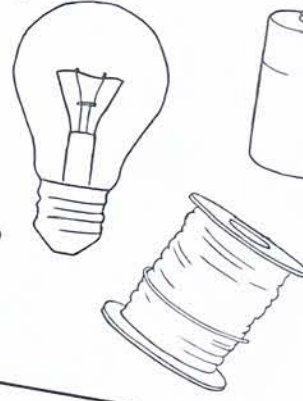
Electrical Energy: Circuits

Materials

- Small lightbulb
- Wires
- Batteries

Challenge

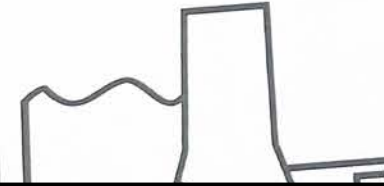
Using just two wires, a lightbulb, and a battery, can you make a lightbulb shine?



Draw a sketch of the circuit each time the lightbulb works. -->			
Draw a sketch of the circuit			



_____ panels take _____ energy and turn it into electricity.



Engaging Activities

Electrical Energy: Circuits

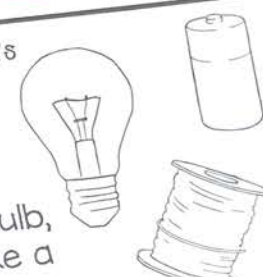
Name: _____

Materials

- Small lightbulb
- Wires
- Batteries

Challenge

Using just two wires, a lightbulb, and a battery, make a circuit that lights the bulb.



Scavenger Hunt

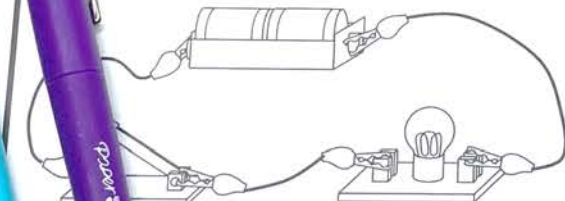
Name: _____

As you walk around your classroom, write/sketch items that use electrical energy.


Item	Sketch	Other Forms of Energy
		<input type="checkbox"/> Light <input type="checkbox"/> Heat <input type="checkbox"/> Chemical <input type="checkbox"/> Mechanical <input type="checkbox"/> Sound
		<input type="checkbox"/> Light <input type="checkbox"/> Heat <input type="checkbox"/> Chemical <input type="checkbox"/> Mechanical <input type="checkbox"/> Sound
		<input type="checkbox"/> Light <input type="checkbox"/> Heat <input type="checkbox"/> Chemical <input type="checkbox"/> Mechanical <input type="checkbox"/> Sound
		<input type="checkbox"/> Light <input type="checkbox"/> Heat <input type="checkbox"/> Chemical <input type="checkbox"/> Mechanical <input type="checkbox"/> Sound

Electrical Energy Real Life Application

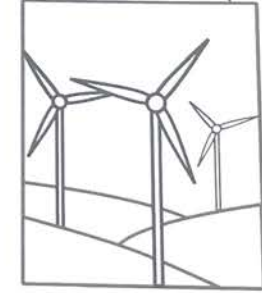
Electrical energy is the flow of _____ charge through a _____ and can come from a variety of sources.




_____ have chemical energy that turns into electricity.



_____ panels take radiant energy and _____



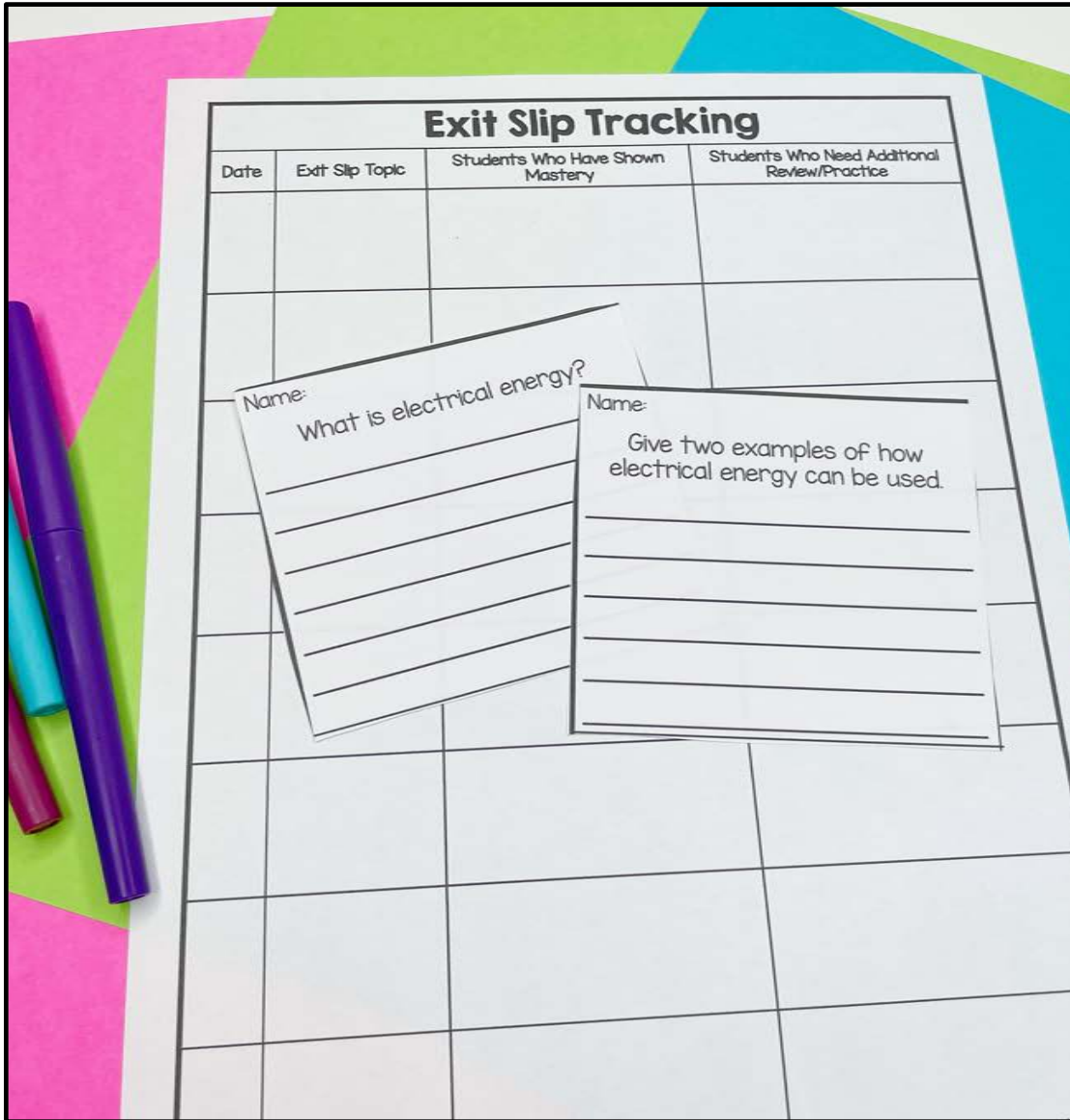
Windmills take moving _____ and turn it into electricity.



Fossil fuel power plants burn coal or oil to create heat. This heat is then turned into steam to drive _____



Quick Assessments



Exit Slip Tracking

Date	Exit Slip Topic	Students Who Have Shown Mastery	Students Who Need Additional Review/Practice

Name: _____
What is electrical energy?

Name: _____
Give two examples of how electrical energy can be used.

Use the included simple exit ticket questions to measure your students' learning at the end of the lesson.



BONUS: Includes a Mastery Checklist. You can easily keep track of students who need extra practice and students who are ready to move on to the next lesson in one easy place!