

# green ecowarriors



OCTOBER TEACHER GUIDE + ACTIVITIES



Welcome to the Green Eco Warriors teachers Guide. In this lesson we focus on how Electricity is produced. This guide will help you lead your students through the lesson and activities. Let's get started.

## SEPTEMBER VOCABULARY

**Energy** - is the ability to do work. Energy can be found in a number of different forms, including chemical energy, electrical energy, heat (thermal energy), light (radiant energy), mechanical energy, and nuclear energy

**Appliance** - devices such as refrigerators, stoves, microwaves, and computers, designed to perform a specific task.

**Electricity** - the supply of electric current to a house or other building for heating, lighting, or powering appliances. Electricity is most often generated by the combustion (burning) of hydrocarbons (oil, coal, gas) or other substances that release substantial amounts of carbon dioxide, causing global warming and other pollutants such as sulphur dioxide, which produces acid rain.

**Kilowatt** - a measure of 1,000 watts of electrical power.

**CFL bulb** - a light bulb that uses one fourth less electricity than regular incandescent bulbs.

**Natural resources** - a naturally occurring resource that can be depleted, such as; forests, fish, clean water, mineral deposits, coal, gas, oil, and propane.

## RECOMMENDED IN-CLASS DISCUSSION QUESTIONS AND ACTIVITIES

1. Discuss what energy is and how the students use it daily.
2. Visit [GreenEcoWarriors.org](http://GreenEcoWarriors.org) and watch videos created by Green Eco Warriors.
3. Use the student worksheet to review the vocabulary in class.
4. Ask, "what is the source of the Phantom Draw in their home."
5. Discuss why the effects of burning coal is bad for our planet
6. Assign the Student Worksheet as a homework assignment.

## WORDSEARCH SOLUTION

C	A	X	S	R	A	D	I	O	E	G	U	I	S
H	A	N	Q	A	P	O	I	T	E	K	L	T	R
A	D	V	D	P	L	A	Y	E	R	P	D	I	R
R	A	P	P	E	N	H	I	L	E	P	O	Q	C
G	T	A	B	S	A	D	D	E	B	N	V	Z	O
E	E	C	E	E	T	O	X	V	E	G	U	X	M
R	A	E	S	V	P	V	N	I	A	G	O	P	P
S	A	N	S	I	D	P	I	S	I	B	U	O	U
M	A	N	S	R	A	U	I	X	G	U	D	T	
L	I	G	H	T	S	J	I	O	E	H	R	P	E
F	A	N	S	R	A	D	I	N	E	F	V	I	R
T	C	A	B	L	E	B	O	X	L	I	Z	A	O
L	A	P	T	O	P	I	I	O	E	J	E	P	N

Remember to have students complete the registration package and return them to you.

