



OPTIONAL SOCIAL STUDIES LESSON

Lesson Three: A FOCUS ON ENERGY SUSTAINABILITY

You will:



PREPARE BY LEARNING:

- Human Interactions with renewable and non renewable resources.
- The negative consequences of being overly reliant on fossil fuels and other non renewable forms of energy.
- How life has changed since the inception of electricity-where is it now and where is it going in the future?



SELECT A TOPIC AND CREATE A MESSAGE TO INSPIRE

others to take action to seek energy sustainability.



BE EM-POWERED TO TAKE YOUR MESSAGE INTO THE COMMUNITY

and invite others to take action to be energy efficient.

Activity 1: GATHER INFORMATION AND EVIDENCE

Thomas Edison invented the light bulb in 1879. Since that time, electricity has been harnessed in different ways. Coal, water, nuclear, solar and wind are some of the many ways we generate electricity. Humans consume so much electricity that scientists are constantly looking for new ways to gather it and make sure it is sustainable. You will be looking at how these different technologies and inventions throughout history have evolved and what impact this has on the future. Think about the role humans play in this and how our daily interactions affect energy consumption.

There are many things that can be done to make us less reliant on electricity as well as ways to gather electricity in a cleaner, more responsible way. You are first going to focus on understanding the interactions between people and electricity using these terms:

INTERACTION + DEPENDENCE + MODIFY + ADAPT



Vocabulary Word Map

Directions: Define the bold-faced words in the CONTEXT of each phrase.

PHRASE: HUMANS **INTERACT** WITH THE ENVIRONMENT TO GET FOOD.

Define it in your own words	Draw or insert a picture
Example	
Use it in a sentence	

PHRASE: HUMANS **DEPEND** ON ELECTRICITY.

Define it in your own words	Draw or insert a picture
Example	
Use it in a sentence	



PHRASE: HUMANS **MODIFY LAND TO FIND RENEWABLE RESOURCES LIKE WOOD.**

Define it in your own words	Draw or insert a picture
Example	
Use it in a sentence	

PHRASE: HUMANS **ADAPT TO CLIMATE CHANGE BY DRIVING HYBRID CARS TO DECREASE RELIANCE ON FOSSIL FUELS.**

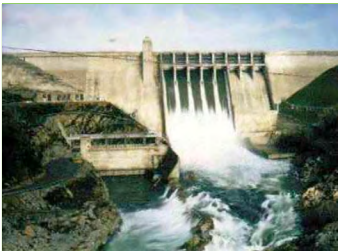
Define it in your own words	Draw or insert a picture
Example	
Use it in a sentence	



Activity 2: HUMAN-ENVIRONMENTAL INTERACTION

As you learned in Activity 1, there are many ways that humans and the environment affect each other. It is demonstrated in how people **DEPEND** on, **MODIFY** and/or **ADAPT** to the environment.

Look at each picture of Human-Environment Interaction on the chart. Decide which type of interaction is demonstrated in the description/picture and explain your choice.

INTERACTION	CIRCLE/HIGHLIGHT THE CORRECT INTERACTION SHOWN (choose one)	EXPLAIN WHY YOU CHOSE THIS RESPONSE
	Depend Modify Adapt	
	Depend Modify Adapt	
	Depend Modify Adapt	