



Renewable Energy Proposal

Warm Springs Middle School
Murrieta Valley Unified School District, Murrieta, CA

Overview: This is a follow up lesson for students who have some knowledge about energy and electricity. Students will research a type of renewable energy and write a persuasive proposal encouraging the use of their energy.

Objectives: The objective of this lesson is for students to understand the implications of using nonrenewable energy as a source of electric energy.

Subjects: Earth Science, Language Arts

Suggested Grade Level: 5th through 8th

California Standards Addressed:

6th Grade

Earth Science

- 6. Sources of energy and materials differ in amounts, distributions, usefulness, and the time required for their formation. As a basis for understanding this concept:
 - a. Students know the utility of energy sources is determined by factors that are involved in converting these sources to useful forms and the consequences of the conversion process
 - b. Students know the different natural energy and material resources, including air, soil, rocks, minerals, petroleum, fresh water, wildlife, and forests, and know how to classify them as renewable or non-renewable

Language Arts

- 2.5 Write persuasive compositions:
 - a. State a clear position on a proposition or proposal
 - b. Support the position with organized and relevant evidence

Time: 2-3 class periods

Materials:

- Direction sheet with rubric
- Computer lab
- Colored paper
- Textbook
- Other resource books about energy

Procedure:

Anticipatory Set: Pose to the class that it is the year 2050 and all of the world's nonrenewable fuels are used up. Have a discussion about what would happen to mankind as what the world could use for energy.



1. Students choose a type of renewable energy (solar, wind, hydroelectric, geothermal, or biomass)
2. Students research their type of energy in the computer lab (what it is, how it converts into energy, what the benefits are, where it works well, etc...)
3. Students will create a typed or written proposal promoting the use of their energy type. The proposal will begin as "Dear Secretary General," and should be signed at the end.
4. Students will create an energy brochure of their type, including information, pictures and diagrams.