

Curriculum Unit Title

Renewable Energy-Blowing in the wind

Author

Lisa M. Currie

KEY LEARNING, ENDURING UNDERSTANDING, ETC.

People utilize a variety of resources to meet the basic and specific needs of life. Some of these resources cannot be replaced. Other resources can be replenished or exist in such vast quantities they are in no danger of becoming depleted. Often the energy stored in resources must be transformed into more useful forms and transported over great distances before it can be helpful to us

Recognize that solar energy, an inexhaustible source, is an alternative energy source to fossil fuels, an exhaustible source. Using books, computers and other resources, search for ways that we can use sunlight to heat and light our homes, and generate electrical energy...

ESSENTIAL QUESTION(S) for the UNIT

What is the importance of alternative energy?

CONCEPT A

Alternative

CONCEPT B

Renewable

CONCEPT C

Sustainable

ESSENTIAL QUESTIONS A

What is Energy?

What are some possible ways to save energy at a personal, community and global level?

ESSENTIAL QUESTIONS B

What are the five renewable energy sources?

What are the advantages and disadvantage of renewable energy?

ESSENTIAL QUESTIONS C

How is human activity impacting our society?

VOCABULARY A

Nonrenewable

Renewable

VOCABULARY A

Sustainable

Alternative

VOCABULARY A

Biomass, Geothermal, Hydropower, Solar, Wind

ADDITIONAL INFORMATION/MATERIAL/TEXT/FILM/RESOURCES

Technology- Computer, or Ipads

Smartboard, Lego Energy Kits, Chart paper, Markers