



BREEZY energy

S C I E N C E A N D V I S U A L A R T



| CONTENT | FINE ARTS |
|---|---|
| Science: Students will use scientific skills and processes to describe and compare weather elements. | Art: Students will develop, identify, describe, contrast and compare artworks to develop a personal statement. |

Materials:

- “Wind Energy” text from <http://www.energyquest.ca.gov/story/chapter16.html>
- photographs of wind farms, wind mills, wind turbines
- provided directions and worksheets (comprehension questions and pinwheel template)
- crayons
- scissors
- hole punch
- straws
- paper fasteners

References:

adapted from lesson “Playful Pinwheels” submitted to Education World by Cara Bafle @ http://www.educationworld.com/a_lesson/03/lp305-01.shtml

<http://www.energyquest.ca.gov/story/chapter16.html>

Pre-assessment:

All students have had prior experience in Science learning about wind and weather instruments that measure wind. They have completed Science packet worksheets to assess this knowledge.

Engagement:

Students will examine photographs of various types of windmills, wind turbines, and wind farms. The students will answer/chart what they see, wonder, know about the photographs, farms, energy, electricity sources.

Activity:

This is an independent learning center. Students will read the text from an Energy website to learn more about wind farms. The students will follow up the reading with a comprehension worksheet that allows them to express their understanding and make connections between wind farms and their communities, energy use and other wind instruments.

Transition:

Students will read to perform a task and create a pinwheel, using a template for the form, but designing and decorating it themselves.

Closure: Students will make connections between their art product (pinwheels) and wind turbines. Students will express the pros and cons of wind farms and state their opinions on the issue.



Reading Comprehension and Art:

Student-created pinwheels will demonstrate an understanding of the text that was read for informational purposes and will reflect connections between various artwork representations of wind objects.

