



Broward County Public Schools Videoconference

Reading Rascals

Lesson: Energy from the Sun
Instructor: Dr. Evelyn Nelson-Weaver
BECON Distance Learning Teacher

Grade Level: First Grade

Sunshine State Standard: SC.B.1.1 and SC.E.1.1

Benchmark: SC.B.1.1.1 and SC.E.1.1.2

Objective(s):

1. Students will identify the sun as a source of heat and light energy.
2. Students will recognize that the appearance of sunrise and sunset is due to the rotation of the Earth every 24 hours.

SCIENCE SKILL EMPHASIS: Gather Information.

LITERATURE CONNECTION:

Book Title: Energy from the Sun

Author: Allan Fowler

Publisher: Children's Press, New York, NY (1997).

Summary: Defines energy and examines how energy from the sun provides us with heat, light, plants, food, and other things necessary for life on Earth.

Student questions: *Read pages 12 - 29 only.*

1. How did energy from the sun produce the food you eat? *Plants need the sun for energy to turn water and air into food. Animals eat plants.*
2. How does the sun's energy help you breathe? *Sun's energy works inside a plant to make food and as this happens the plant releases oxygen into the air. We need oxygen to breathe.*
3. How does energy from the sun help run our cars and heat our homes? *Forests grew because of the sun's energy and slowly the plants turned to coal, petroleum or natural gas.*

MEDIA CONNECTION: The Sun's Energy from *Solar Energy*. TV Ontario

(1992). Retrieved April 29, 2008, from Discoverystreaming: <http://streaming.discoveryeducation.co>

LITERATURE CONNECTION:

Book Title: Sun up, Sun down

Author: Gail Gibbons

Publisher: Harcourt, Inc, Orlando, FL (1983).

Summary: Describes the characteristics of the sun and the ways it regulates life on earth.

1. The sun rises in which direction? *East* And sets in the _____. *West*
2. At noon in the summer where is the sun located in the eastern United States? *Directly overhead*
3. *True* or *False* The sun is really a big star.
4. What makes a rainbow? *The light if the sun shining through the raindrops.*
5. What does the earth do to cause the sun to rise in the east and set in the west? *The earth spins around making a complete turn once every 24 hours.*

MATERIALS NEEDED: None

EXTENSION: Energy from the Sun from *Exploring Energy*. United Learning (1995). Retrieved April 29, 2008, from Discoverystreaming: <http://streaming.discoveryeducation.com/>