



Hurricane Andrew

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Grade: 4

Time: 5 Days

Purpose

This activity is designed to show how hurricanes not only affect humans, but also show the impact that hurricanes can have on the ecosystems as well.

Objectives

1. Collect samples of data that describe the impact that Hurricane Andrew had on the local ecosystem. (FIRN possible research)
2. Interpret maps, air, and/or satellite photos.
 - a. Describe the path of earth-orbiting satellites.
 - b. Discuss uses of satellites.
3. Interpret data findings.

Materials

- Video: *HURRICANE: Earth's Greatest Storm*, Scott Resources 1991.
- Audio Interview: I interviewed a friend that experienced Hurricane Andrew, August, 1992.
- Satellite Maps: A satellite view of the state of Florida.
- Spaceshots Inc. P.O. Box Studio City, CA 91614-0743
- Activity Worksheet: *Andrew, Betsy, David and Donna* parts 1 & 2

- Natural Disaster Survey Report: "Hurricane Andrew: South Florida and Louisiana August 23-26, 1992," NOAA, National Weather Service, Silver Springs, Maryland.

Procedures

Day One:

1. Listen to audio: (self-made) Interview of a friend from Miami, Florida, remembering Hurricane Andrew, August 1992.
2. Discuss the impact this storm had on people of Miami.
3. On a Florida Map track the path of Andrew across Florida. Then look at the path on a satellite photo of Florida. Discuss the different views of Florida.
*Activity: Demonstrate how satellites orbit the earth.
4. Read *Super Satellites* INVESTIGATORS. Worksheet: "Uses for Satellites."

Day Two:

- Show video: *HURRICANE: Earth's Greatest Storm* (any video on the same topic would work).

Day Three:

1. Research- cooperative groups collect data on the destruction Andrew caused.
 - a. Impact on humans-
 - b. Impact on nature-
 - c. Possible benefits- examples: Improving building codes.

Day Four:

- Interpret data by writing a report on research findings.

Day Five:

- **Investigation: Activity worksheet part 1, *Andrew, Betsy, David and Donna*; a map activity that shows the paths of hurricanes that struck Florida between 1900-1993.
- Evaluation: Activity worksheet part 2, *Andrew, Betsy, David and Donna*; harmful effects of Andrew to the ecosystem.

Day Six:

- Culminating Activity: "Supplies you need during hurricane season."
*** *Sunshine State Investigators: Science Horizons 3-4*, Silver Burdett Ginn, Morristown, NJ 1994. Lesson 6: Super Satellites, and Lesson 9: Andrew, Betsy, David and Donna.

National Geography Standards

14: How human actions modify the physical environment.

15: How physical systems affect human systems.



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