

**Project FOCUS
Best Lessons
FOURTH GRADE**

Title of Lesson: Meteorologists for a Day

Theme: Earth/Space Science

Unit Number: 2 **Unit Title:** Weather

Performance Standard(s) Covered (enter codes):

S4CS1

S4CS5

S4E3

S4E4

Enduring Standards (objectives of activity):

Habits of Mind

- Asks questions
- Uses numbers to quantify
- Works in a group
- Uses tools to measure and view
- Looks at how parts of things are needed
- Describes and compares using physical attributes
- Observes using senses
- Draws and describes observations

Content (key terms and topics covered):

Understand basic information about weather
Learn about different weather maps
Temperature
Precipitation(rainfall, snowfall, sleet, hail)
Humidity
Wind speed

Learning Activity (Description in Steps)

Abstract (limit 100 characters): Students will be able to interpret different weather maps and tell the different conditions.

Details:

1. Start with a discussion on weather. Ask the following questions:

Where does weather come from?

How does it happen?

When does weather change?

2. Ask the class to come up with a definition of weather, collectively. Discuss how temperature, precipitation, wind speed and humidity affect the weather.

3. Ask who a meteorologist is? Then establish that we're all going to be meteorologists today!

4. Print out temperature, front maps, and doppler radar weather maps for the United States. Then randomly divide the students into pairs to interpret the weather conditions for an assigned city using both maps. After about 5mins of evaluating the maps, the partners will come up to the smart board and be meterologists for their assigned city. Pull up a map of the United States on the smartboard. Students will report on conditions such as temperature, humidity, precipitation. Students should be creative with word choices and behave just like the meterologists they see on an actual weather report.

5. After all the presentations, discuss why we used different maps to report the weather. Where some maps more helpful than others? Also discuss the importance of each map.

Materials Needed (Type and Quantity):

Internet access

Print resources about weather

Paper

Pencils

Notes and Tips (suggested changes, alternative methods, cautions):

Do not group known friends as partners, they will distract eachother from their assign tasks.

Sources/Referenes:

1) weather.com

2) Georgia HPS Science (the science textbook)

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