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Lesson Plans: Weather

Weather Reporter

Submitted by Jessica Larkin, Alford Elementary, Lawrenceville, Georgia.

Grade Level : Fourth Grade

Length of Time to Complete : 3 - 5 Class Periods and time at home to complete

Supplies Needed : Information Sheet, Student Rubric, Blank Map of the USA - (about 8 1/2 by 17), Colored Pencils, Markers, Crayons, Atlas, Weather Chart from Newspaper, and Writing Paper.

Instructions: This is a culminating activity for a weather unit. The students will be able to use the knowledge gained to locate and mark cities on a map, read information and create a chart, place appropriate weather and temperatures on a map, all to create a weather map. The students will also write a script using the information given to relay the weather to the class. The students will need to present the final project to the class as a weather reporter. I used the weather maps from the newspapers to allow the students to see how a weather map should look. We reviewed and discussed different types of terms and symbols used. We also watched a news weather cast to get ideas of how to present. The following attachments are the informational sheets used to guide the students in creating their report. There are 3 sheets with the same directions, but different cities and weather. There is also an attachment for the student rubric to guide the students with the planning of the project so they know what they will be graded on. This was a fun activity to end the unit with. The students really hammed it up as weather news reporters!

For this activity – see documents below for additional information, rubric, etc.

Name _____ Date _____

Science Weather Report Rubric

Weather Map Score

1. Cities labeled correctly /15
2. Symbols correctly drawn and placed /15
3. Temperature correctly colored and placed /15

Weather Chart

1. Title /10
2. Labels /10
3. Information filled in correctly /10

Weather Report Script

1. All information correctly presented in a script using creative voice /25

Total Score /100

Weather Reporter (1)

Your job is to do the job of a TV weather reporter. Prepare a weather report for a newscast.

What to Do:

1. You should watch the news or the weather channel to see how they relay the weather.
2. You will need to use the data given to create a chart. Then, you will need to use the information from the chart and weather symbols to create a weather map. This should be labeled with the appropriate states and weather symbols according to the data. You will also need to add color to your map.
3. Write a script for a weather report to present to the class. Tell about the weather in the area assigned to you. Discuss any large storms or weather forming in that area. This script should be at least 2 paragraphs. You should write the report just as you would say it to the class.
4. Practice presenting your weather report. The report should last about 3 minutes.
5. The reports are due Friday, May 14. NO EXCEPTIONS! We will have class time to work on this project. We will present the reports during the week of the 17th.

What you need to turn in: for the chart:

1. Weather script – 2 paragraphs moving in with rain, 50 degrees
2. Weather map – colored and labeled degrees
3. Weather chart – neat and organized sunny, 88 degrees

Your information

Atlanta – cold front

Miami – rain and 70

San Francisco –

Detroit – cold front moving in bringing snow, 28 degrees

Weather symbols:

thunderstorms, 78 degrees
Cold Front –

Warm Front –

Stationary Front –

Map:

Sunny –

Thunder Storms –

Rain –

Snow –

Sleet –

Texas – warm, with

Temperature Colors for

0 – 30 degrees – purple

31 – 50 degrees – blue

51 – 70 degrees – orange

71 – 100 degrees – red

Weather Reporter (2)

Your job is to do the job of a TV weather reporter. Prepare a weather report for a newscast.

What to Do:

1. You should watch the news or the weather channel to see how they relay the weather.
2. You will need to use the data given to create a chart. Then, you will need to use the information from the chart and weather symbols to create a weather map. This should be labeled with the appropriate states and weather symbols according to the data. You will also need to add color to your map.
3. Write a script for a weather report to present to the class. Tell about the weather in the area assigned to you. Discuss any large storms or weather forming in that area. This script should be at least 2 paragraphs. You should write the report just as you would say it to the class.
4. Practice presenting your weather report. The report should last about 3 minutes.
5. The reports are due Friday, May 14. NO EXCEPTIONS! We will have class time to work on this project. We will present the reports during the week of the 17th.

What you need to turn in: for the chart:

4. Weather script – 2 paragraphs
front moving in with rain, 50 degrees
5. Weather map – colored and labeled
86 degrees
6. Weather chart – neat and organized
degrees

Your information

Philadelphia – cold

Miami – sunny and

Seattle – rain, 30

Minneapolis – sleet, 35
degrees

Weather symbols:

thunderstorms, 82 degrees
Cold Front –

Warm Front –

Stationary Front –

Map:
Sunny –

Thunder Storms –

Rain –

Snow –

Sleet –

Albuquerque – warm, with

Temperature Colors for

0 – 30 degrees – purple

31 – 50 degrees – blue

51 – 70 degrees – orange

71 – 100 degrees – red

Weather Reporter (3)

Your job is to do the job of a TV weather reporter. Prepare a weather report for a newscast.

What to Do:

1. You should watch the news or the weather channel to see how they relay the weather.
2. You will need to use the data given to create a chart. Then, you will need to use the information from the chart and weather symbols to create a weather map. This should be labeled with the appropriate cities and weather symbols according to the data. You will also need to add color to your map to show the temperature for the area.
3. Write a script for a weather report to present to the class. Tell about the weather in the area assigned to you. Discuss any large storms or weather forming in that area. This script should be at least 2 paragraphs. You should write the report just as you would say it to the class.
4. Practice presenting your weather report. The report should last about 3 minutes.
5. The reports are due Friday, May 14. NO EXCEPTIONS! We will have class time to work on this project. We will present the reports during the week of the 17th.

What you need to turn in: for the chart:

Your information

- | | |
|--|--------------------|
| 7. Weather script – 2 paragraphs
stationary front between Tulsa, 45 degrees | Memphis– |
| 8. Weather map – colored and labeled | Tulsa – 46 degrees |
| 9. Weather chart – neat and organized
degrees | Chicago – snow, 25 |

Portland – rain, 52
degrees

Weather symbols:

moving in, 89 degrees

Phoenix – warm front

Cold Front –

Warm Front –

Stationary Front –

Map:

Sunny –

Thunder Storms –

Rain –

Snow –

Sleet –

Temperature Colors for

0 – 30 degrees – purple

31 – 50 degrees – blue

51 – 70 degrees – orange

71 – 100 degrees – red