Title: Weather Watchers

Activity
Suggested Season: Any
Suggested Grade Level: K-2
Indoors or Outdoors: Indoors
Theme: Weather
Topic: Cloud Identification, Observing Season Change

Objective: Observe weather trends; make predictions; create graphs with data

Time: The first time each month will take 7-10 minutes. Every day after that, only 1-2 minutes is necessary.

Materials Needed: Weather Watcher Chart (Blackline master on CD); markers

Directions for first day of each month:

1. Introduce new calendar to students.
2. Review the Freshwater Society Weatherguide Environment™ Calendar or other resources to examine typical weather patterns or trends for the month.
3. Make predictions of how many days will occur for each weather occurrence. Example: How many clear days do you think we will have this month? Write prediction in corresponding weather occurrence box.
4. Post calendar in a spot where all students can see.

Directions for each day:

1. Go through each weather occurrence asking the students if it is occurring for that day. If so, have a student color in a square to create a bar graph next to the corresponding weather occurrence box.

Directions for the end of the month:

1. Count the colored squares for each weather occurrence and write the number in the correct box.
2. Compare and contrast the predicted number with the actual number for each weather occurrence.

Discussion Questions:

1. As students make predictions, ask if their predictions are realistic. Discuss what this means.
2. Look at patterns and trends.

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Standards Addressed:

Science: 0.3.2.2.1.; 2.1.1.2.1.; 2.3.2.2.1.; 3.1.1.2.3.; 3.1.3.2.1.; 5.1.3.4.1.; 5.1.3.4.2.; 6.1.3.4.1.; 8.3.2.2.3.
Language Arts: K.I.B.; K.II.B.; K.III.A.; 1.III.A.; 1.III.B.1.; 2.III.A.; 3.III.A.2.
Math: 3.4.1.1
Social Studies:

Background Information:

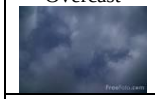
- **Cirrus Clouds** are located high in the sky and look as though someone took a paint brush and made light wisps across the sky.
- **Cumulus Clouds** are located middle to low in the sky and are big, white and puffy.
- **Stratus Clouds** are located low in the sky and blanket the sky blocking out the blue sky and sun at times.

Additional Resources:

- *Clouds* by Marion Dane Bauer
- *Peterson First Guide to Clouds and Weather* by John A. Day, Vincent J. Schaefer, and Roger Tory Peterson
- *Cloud Dance* by Thomas Locker
- *The Cloud Book* by Tomie dePaola

Correlates with:

Greeting – Good Morning Cirrus
News and Announcements – Cloud Drawing

Weather	Prediction	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Actual
Clear 																		
Rainy 																		
Windy 																		
Snowy 																		
Partly Cloudy 																		
Overcast 																		
Cirrus 																		
Cumulus 																		
Stratus 																		

Weather Watchers Chart for Activity – Weather Watchers
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