

Centered around our schools School-Met weather data:

I. Purpose: To practice graphing skills

1. Students will collect temp. information and graph the data.
2. Students will collect wind information and graph the data.
3. When students are comfortable collecting data and have learned about different weather fronts they will attempt to correlate the data together to predict the type of weather we will experience.

II. Purpose: To predict weather at Page Middle School football games and other outdoors sporting events.

1. Students will keep weather journal for several days.
(2 weeks at least)
2. Students will then attempt to predict the weather for two days in advance. Including, temp., wind speed and directions.
This will be presented in a graph format.
3. Students will then check their predictions with our School-Met weather data. This will also be presented in a graph format showing temp., wind speed and directions.
4. Designate a "weather student" at the game to check the weather conditions.

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Centered around other schools School-Met weather data:

I. Purpose: To practice graphing skills

1. Students will collect temp. information and graph the data from various schools in the state connected to the MesoNet system.
2. Students will compare data over several days and try to identify patterns in various regions of our state.
3. Students will collect wind information and graph the data from various schools in the state connected to the MesoNet system.
4. Students will compare data over several days and try to identify patterns in various areas of our state. They can compare this to the actual patterns created on the School-Met web site.
5. When students are comfortable collecting, compiling and analyzing data from these different areas they will attempt to correlate the data to predict the type of weather the specific areas will experience.

II. Purpose: To predict the weather at outdoors sporting events.

1. Students will keep weather journal for several days referring to their designated areas of the MesoNet system.
(2 weeks at least)
2. Students will then attempt to predict the weather for two days in advance in these areas. Including, temp., wind speed and directions. This will be presented in a graph format.

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3. Students will then check their predictions with our School-Met weather data.
This will also be presented in a graph format showing temp., wind speed and directions.
4. When the students are comfortable making these predictions, they can move this into the field and attempt to predict the weather conditions of the area Page Middle School's team will be playing.
5. Designate a "weather student" at the game to check the weather conditions in that area to see how close they came to a correct prediction.

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