

Weather Map Assignment

For this assignment, each student will be required to conduct daily weather observations using data from the National Weather Service and The Weather Channel starting Sunday and ending on Saturday. Each student will complete the observations on a daily basis, create weather maps, charts, and tables for the data and complete a 1-2 page summary paper. **The project is due:**

Observations that need to be taken:

weather.com

- National Level Map for Fronts, High/Low Pressure Systems, and Precipitation
 - Observation should be made at 10:00 AM
 - Daily High Temperature
 - Daily Low Temperature
 - Daily Mean Temperature (Will need to calculate from High and Low)

crh.noaa.gov/lix

- Daily weather data for Charleston, IL
 - Dew Point – Taken at 10:00 AM and 10:00 PM
 - Pressure Readings – Taken at 10:00 AM and 10:00 PM
 - Wind Speed and Wind Direction – Taken at 10:00 AM and 10:00 PM

All students will turn in:

- 7 Maps – One for each day showing the location of fronts, pressure systems, and precipitation
- 4 Graphs
 - Daily Precipitation Totals
 - Temperature – Should Include:
 - Daily High, Daily Low, and Daily Mean on one chart
 - Pressure Readings
 - Both Readings on One chart
 - Dew Point
 - Both Readings on One chart
- 1 Table
 - Wind Speed and Wind direction for both readings for the seven days
- 1-2 page summary paper: Should Include
 - A description of each days weather and how it changed
 - How fronts and pressure systems impacted Illinois and other U.S. regions