LESSON NAME: RECORDING THE WEATHER

CHANGES TO LESSON:

* Have students use the Kentucky Mesonet website ([www.kymesonet.org](http://www.kymesonet.org)) to monitor and record the weather
* To incorporate geographic knowledge, before first recording the weather, go the KY Mesonet homepage and ask which station is closest to their location. Use this station for making records
* Use the climate graph on the Mesonet website for your station to show students how scientists collect long term weather data and compare to your weather calendar

LESSON NAME: COMPARING FORECASTS TO TODAY’S WEATHER

CHANGES TO LESSON:

* Instead of using a newspaper for you forecast source, utilize the NWS website for your ZIP Code ([www.weather.gov](http://www.weather.gov))
* Continue to utilize the Kentucky Mesonet for observations
* Using the daily graphs available on the Mesonet website, have students predict when the high and low temperature will occur
* Compare observations with NWS forecasts for your ZIP Code

LESSON NAME: SUMMARIZING OUR WEATHER OBSERVATIONS

CHANGES TO LESSON:

* Have students compare the class summary to the monthly climate tables/graphs on the Mesonet website. See if they can pick out trends or clusters of weather data in the graphs (long period of high temperatures, clusters of rainy days).
* Compare the class temperature graph to the Mesonet graph. Discuss the differences due to more sensitive and accurate instruments, as well as the continuous record instead of a daily high/low.

Feel free to contact the Kentucky Geographic Alliance with question regarding the use or navigation of the Kentucky Mesonet website at kga@wku.edu