Weather Data Log

Name:_____ **Date:**_____

Use the Weather Data Logs to record weather data: (1) at different times throughout the day, or (2) at the same time of day on different days. Learn first-hand how the weather changes from the morning to the afternoon and from day to day. Before going outside, record your local Weather Forecast below using the internet and/or an almanac.

Local Weather Forecast

Temperature

How warm is it supposed to be today? _____ *(in Fahrenheit)* _____ *(in Celsius)*

How cold is it supposed to be today? _____ *(in Fahrenheit)* _____ *(in Celsius)*

Barometric Pressure

What is the Barometric Pressure? _____

Wind Speed & Direction

What is today's estimated Wind Speed?_____

From which direction should the wind blow? _____

Relative Humidity

What is today's estimated Relative Humidity?_____

Precipitation

What is the percentage chance of precipitation forecasted for today? _____

After you have recorded the local weather forecast, go outside to record your weather station data in the outdoor classroom: (1) at different times throughout the day, or (2) at the same time of day on different days. If possible, record data from a thermometer, barometer, psychrometer, anemometer, wind sock/wind vane, and/or rain gauge.

Outdoor Classroom Weather Station Data

Time of Day: _____ Temperature: _____ *(in Fahrenheit)* _____ *(in Celsius)*

Barometric Pressure: _____ Relative Humidity:_____

Wind Speed:_____ Wind Direction:_____

Amount of Precipitation *(if any)*:_____ Type of Precipitation *(if any)*:_____

Describe the sky conditions *(in a few words)*:_____

For more information about weather, visit http://www.weatherwizkids.com.

Weather Data Log

Make copies of this Weather Data Log as needed.

Name:_____

After you have recorded the local weather forecast, go outside to record your weather station data in the outdoor classroom: (1) at different times throughout the day, or (2) at the same time of day on different days. If possible, record data from a thermometer, barometer, psychrometer, anemometer, wind sock/wind vane, and/or rain gauge.

Outdoor Classroom Weather Station Data

Date:_____ Time of Day:_____

Temperature:_____ *(in Fahrenheit)* _____ *(in Celsius)* Relative Humidity:_____

Barometric Pressure:_____ Wind Speed:_____ Wind Direction:_____

Amount of Precipitation *(if any)*:_____ Type of Precipitation *(if any)*:_____

Describe the sky conditions *(in a few words)*:_____

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Date:_____ Time of Day:_____

Temperature:_____ *(in Fahrenheit)* _____ *(in Celsius)* Relative Humidity:_____

Barometric Pressure:_____ Wind Speed:_____ Wind Direction:_____

Amount of Precipitation *(if any)*:_____ Type of Precipitation *(if any)*:_____

Describe the sky conditions *(in a few words)*:_____

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Date:_____ Time of Day:_____

Temperature:_____ *(in Fahrenheit)* _____ *(in Celsius)* Relative Humidity:_____

Barometric Pressure:_____ Wind Speed:_____ Wind Direction:_____

Amount of Precipitation *(if any)*:_____ Type of Precipitation *(if any)*:_____

Describe the sky conditions *(in a few words)*:_____

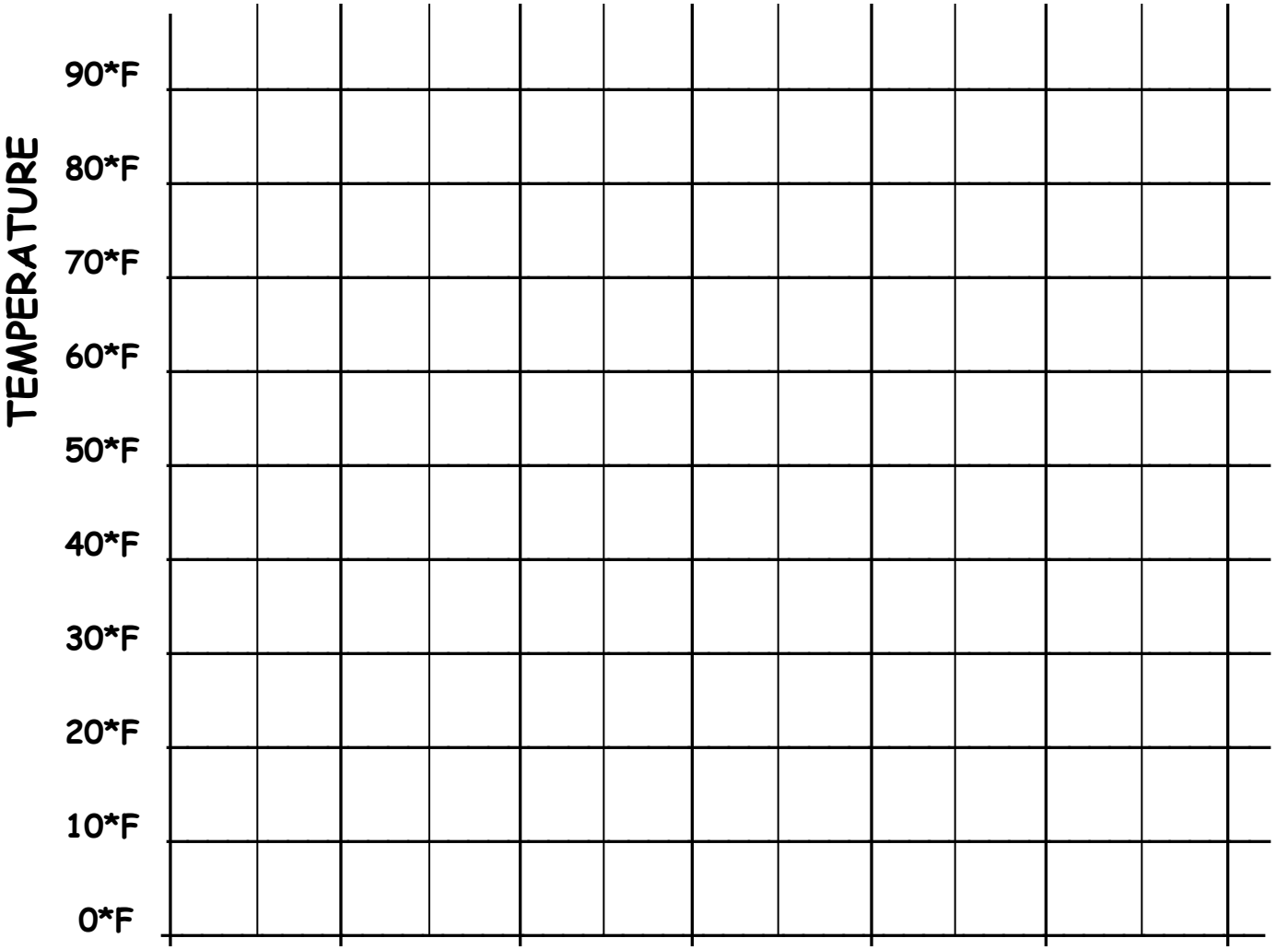
Weather Data Chart

Fill out the Weather Data Chart below with the data you collected from different times of day and/or different days so that you can compare the data and look for weather trends.

Date & Time	Forecasted High & Low Temperature	Actual Temp (°F)	Barometric Pressure	Relative Humidity	Wind Speed	Precipitation	Sky & Clouds
Example March 1 1:30 pm	*65-83° F*	*75° F*	*29.94 in*	*30%*	*5 mph*	*0.0 inches*	*Partly Cloudy*

Temperature Graph

Log your weather data into the graph below.



Day/Time: _____ _____ _____ _____ _____ _____

Look at the chart to answer the following questions:

1. Did the temperature increase or decrease?_____
2. How many degrees did it change?_____
3. On what date &/or time did you record the highest temperature?_____