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, hygrometer, 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)*:_____

****

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)*:_____

****

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 at different times of day and/or on different days
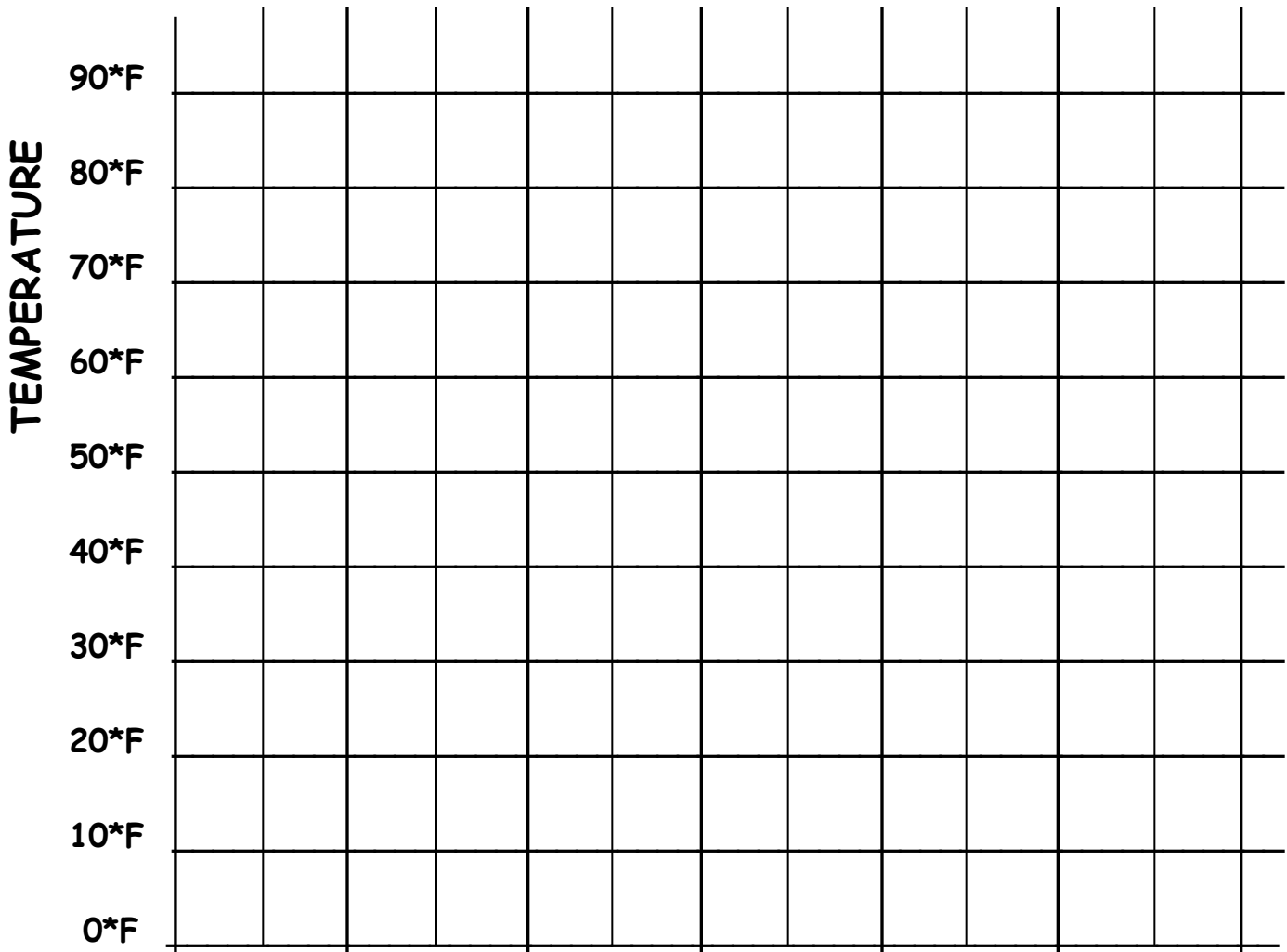so that you can compare the data and look for weather trends.

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.

.

TEMPERATURE

90*F
80*F
70*F
60*F
50*F
40*F
30*F
20*F
10*F
0*F

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?_____

_____