Beat the Heat

Weather Data Analysis

In this activity, you will look for trends in the average temperature of various locations over the past century or more, and draw conclusions about what you have learned.

Enter the Data

1. Go to http://data.giss.nasa.gov/csci/stations*.
2. Decide which cities or areas you will collect information from and what month's temperatures you will use?
3. Click a city or location on the map.
4. Click a station in that city.
5. Look at the bottom of the second graph to see how far back the temperature data goes. If it is less than 100 years, choose a different city and station.
6. When you have clicked a station, scroll down the page to Downloads and click **data as text**.
7. Label your spreadsheet as shown in the following example.

	1910	1920	1930	1940	1950	1960
Paris						
London						
Brussels						
Hamburg						
Vienna						

8. Find the data you need and record it in the appropriate cells of your spreadsheet.

Analyze the Data

1. Use the spreadsheet tools to create a graph to display your data.

2. What, if any, trends do you see?

3. Based on what you have learned about climate change, does your data give you any more information about the topic? Why or why not?

4. What other data would help you draw more detailed conclusions about trends in temperatures?