

**DePaul Center for Urban Education  
Chicago Math Connections**

This project is funded by the Illinois Board of Higher Education through the  
Dwight D. Eisenhower Professional Development Program.

**Topic: Chicago Climate**

**Goal(s):6,8,10**

**Skills: Subtraction, and analyzing, graphing and interpreting data.**

**What's the context?**

Chicago climate throughout the year

**Which data will students use?**

Climate & Geography of Chicago

**What will students learn from this project?**

**Know how** – what will they be able to do better?

Subtract numbers with more precision

**Know what** – what idea(s) will they clarify through the project?

Data analysis and change over time.

**What's the challenge?**

- 1). Analyze the weather data, and for each month calculate the difference in average maximum and minimum temperature in Chicago
- 2). Find which month has the greatest difference in temperature, and which month has the smallest difference in temperature?
- 3). Create a bar graph to show temperature variation for each month of the year in Chicago.

**Checkpoint:** Ask a neighbor to look at your results and use them to explain which month of the year would be the easiest to pack for while visiting Chicago.