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 Weather
**Goal(s):** 6, 8, 10
**Skills:** Subtraction and Organizing, analyzing, graphing and interpreting data.

**What's the context?**
Number of telephones used in Chicago by year from 1878 through 1933

**Which data will students use?**
Chicago telephone data 1878-1933
Chicago population 1890-1995

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

**Know how** – what will they be able to do better?
Subtract numbers and organize, analyze and graph data

**Know what** – what idea(s) will they clarify through the project?
Interpret data in order to observe patterns and trends over time.

**What's the challenge?**
1). Calculate the increase in telephone usage between the years; 1900-1910, 1910-1920, 1920-1930.
2). Calculate which decades have the greatest increase in telephone usage.
3). Calculate which decades have the least amount of increase in telephone usage.

**Check point:** Students will compare and share answers with each other, and check bar graphs for clarity.