

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.