

**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 Area Population

Goal(s): 8,10

Skills: Graphing and interpreting Data

What's the context?

Chicago Area Population Data

Which data will students use?

Chicago area population data for 1990/ 1995/ 2020

What will students learn from this project?

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

Read, interpret, and organize information from a table.

Visually represent data on a line graph

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

Assessing current population trends in the Chicago area to predict future growth patterns

What's the challenge?

- 1). Choose 4 counties surrounding Chicago you would like to live in.
- 2). Create a line graph with years posted along the horizontal axis and population numbers posted along the vertical axis.
 - *Note: students will need help in numbering the vertical axis. It is recommended that students round off population numbers to make graphing easier. It is also recommended that students color-code each county on the line graph to avoid confusion.
- 3). Compare the growth of different counties in their relation to location to Chicago
- 4). Predict what will happen in the year 2030, 2040 and beyond.

Checkpoint: Students should report their findings to other students in small groups or present to the class. Graphs should be checked for accuracy and readability, and predictions can be compared among students.