

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

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**Topic: Real-estate prices in Chicago Neighborhoods**

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

**Skills: Calculating percents and proportions and graphing data.**

**What's the context?**

Comparing real-estate prices in Chicago neighborhoods

**Which data will students use?**

Housing Prices in Chicago Neighborhoods 1988 -1998

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

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

Analyze, organize, graph and interpret data

Locate places on a map

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

Create line graphs to view changes and patterns in data over time.

Make comparisons and correlations between different areas in Chicago and housing costs.

**What's the challenge?**

1). Analyze housing prices in different areas of Chicago over the four year period 1998-2001 to find visible patterns in the numbers.

2). Look at the data and choose the three Chicago neighborhoods with the greatest increase in real-estate prices over the four year period. Add up the average sale prices for each of these neighborhoods for each year and use this information to create a line graph to show change over time.

- For example, if you have chosen Uptown, Near West Side and Logan Square, you would add up the average sale price for all three neighborhoods for 1998,1999,2000 and 2001. The years 1998 through 2001 would be posted along the bottom horizontal edge of the line graph, and the totals for average sales prices would be posted along the left vertical edge of the graph.

**Checkpoint:** Students can check each other's methods for choosing their neighborhoods and check line graphs for clarity. Working in pairs, students can complete the same exercise for the three neighborhoods with the lowest increase in housing prices.