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: Climate in Chicago
Goal(s): 6,8,10
Skills: Finding averages and organizing, analyzing, graphing and interpreting data

What's the context?
Climate and Geography

Which data will students use?
Monthly Average Temperature in Chicago

What will students learn from this project?

Know how – what will they be able to do better?
Find the averages of a set of numbers

Know what – what idea(s) will they clarify through the project?
Make a connection between change in season and change in temperature

What's the challenge?
1). Divide the months in the data set into four seasons using estimation skills.
   • It will be necessary to help students decide how to divide the year into seasons.
2). Calculate the average temperature in Chicago during each of the four seasons.
3). Visually represent seasonal averages on a bar graph.

Check point: Pair up with another student and compare estimates for dividing up the months into seasons, and check each other's calculations for average temperatures. Check bar graphs for clarity and precision. Write a paragraph explaining the most temperature friendly time of the year to visit Chicago.