

A Mathematical Scavenger Hunt at the Library

Go to the Free Library of Philadelphia - either the main library at Logan Square or a branch library. Do the following activities and record all of this information in an attractive booklet or on a poster. Plan ahead since you may need more than one visit to do everything on the list.

- 1) Draw a sketch of the front of the library on 8.5 x 11 paper. Show the windows and doors. Estimate the width and height of the building and show these dimensions on your sketch. Explain the strategy you used to make your estimate.
- 2) Go to a room in the library. Make a sketch of the floor plan of the room. Estimate the length and width of the room. What is your estimate of the area of the room? Explain the strategy you used to make your estimate.
- 3) Find a section of books that you like. Write down the types of books you chose. Place your forearm along the shelf and count how many books there are from the tip of your elbow to the tip of your fingers.
- 4) Estimate the number of books in this room. Explain what strategy you used to come up with your estimate.
- 5) Find a chart showing the Dewey decimal numbers for the categories of books in the library. Copy the information in the chart.
- 6) If you do not already have one, sign up for a library card.
- 7) Check out a non-fiction book that you would like to read. List its title, author and Dewey decimal number.

Bring the project to school on the first day. Your teacher will use the data you have collected for class.

ENJOY YOUR SUMMER! READ SOME BOOKS!