



# Teaching Math with Maps

## Course Description:

Maps are a visually engaging resource with which to teach mathematics. The Norman B. Leventhal Map Center at the Boston Public Library is home to over 200,000 maps, many of which are online and accessible from home or classroom. Join us this summer for three days of activities focused on understanding maps, their connection to mathematics and how to weave them into your classroom teaching. In this course, participants will learn how to engage students with maps while teaching to the state standards through investigating key characteristics of maps, using maps to practice computational skills in a context, defining scale and representing it as a function, exploring similarity and creating coordinate planes for maps. Throughout the course, participants will create an accurate map and inset of an area, applying the content from the course through each step. To earn graduate credit, participants will submit a copy of their final map, calculations as well as a reflection detailing the mathematics they applied to their map and how they will bring activities and content from the course to their students.

**Audience:** Grades 5-10 teachers

**Instructor:** Karen Crouse, Math Content Specialist, Boston Public Schools

**Dates & Times:** July 15 & 16 (9:30 am-3:00 pm), July 17 (9:30 am –12:00 pm)

**Location:** Norman B. Leventhal Map Center at the Boston Public Library  
(Copley Square)

**Cost:** \$35

**Credit:** 22.5 PDPs & 1 graduate credit (optional \$75 fee). All participants will complete a final project.

**To register:**

<http://maps.bpl.org/content/math-maps-workshop>

For more information, contact [mleblanc@bpl.org](mailto:mleblanc@bpl.org)

[www.maps.bpl.org](http://www.maps.bpl.org)



Norman B. Leventhal Map Center  
at the Boston Public Library