
**Synergistic
Activities**

Mathematician reviewer for the Illustrative Math Project.

This project of the University of Arizona seeks to provide effective educational material to teachers to support the Common Core standards in mathematics.

January 2012-present

Co-PI on NC Department of Public Instruction MSP Grant providing professional development experiences for K-12 teachers. \$900,000.

September 2007 to November, 2010.

PI on a AT&T Community Foundation gift to develop a math tutor training certification program. \$35,000.

January 2008 to present.

Organizer for the Math Literacy Summit,
a community event that celebrates the connection of math with workforce development, public health, personal finance, social justice and the arts.

Feb. 28-29, 2008, Mar. 21, 2009

October 24, 2009 and October 2, 2010

Mentor for NSF-sponsored Research Experience for Undergraduates, UNC, Asheville.

Summers 2007, 2009 and 2010.

Directed thirty-five undergraduate research projects since 1997 in a variety of topics, including differential equations, voting theory, music composition, and math literacy.

Developed and taught “Math, Community and Social Class” for HON179, Fall 2008 and later as a math special topics Fall 2010, Spring 2010 and Fall 2011

Developed and co-taught “Math and Fabric Art” for the Integrated Liberal Studies program, Fall 2009

Initiated and coordinated Public Lecture Series involving five departments on the book, “Flatland”

by Edwin Abbott, Bowdoin College, April 1998

Produced student concert of music based on mathematical ideas Bowdoin College, March, 1998

Curated public exhibition on Differential Equations and Art in conjunction with differential equations course

Bowdoin College Museum of Art, October, 1997

**Experience with
Grades 6-12**

Three summers of teaching math to middle and high school students at science camp (18 weeks total)

One year of teaching high school math

Tutoring middle school students in math (130 hours) from 2008 to 2011