

HELPING
YOUR CHILDREN
LEARN AND ENJOY
MATHEMATICS

MATH *at* HOME

- **MAKING MATH PART OF YOUR FAMILY'S LIFE**
- **GIVING YOUR CHILD A GOOD START IN MATH**
- **UNDERSTANDING THE MATH STANDARDS**
- **HELPING WITH MATH HOMEWORK**
- **BUILDING A MATH TOOL-KIT**
- **ENGAGING ENGLISH LEARNERS IN MATH**
- **MEETING THE ALGEBRA CHALLENGE**
- **PREPARING FOR COLLEGE AND CAREER**

*A public service publication of the
Sonoma County Office of Education and
North Bay Mathematics Project*

ABOUT THIS PUBLICATION

Math at Home: Helping Your Children Learn and Enjoy Mathematics was developed by the Sonoma County Office of Education. The text was written by Paul Giganti, Jr. of Paul Giganti & Associates, Mathematics Professional Development and Consulting, pgiganti@berkeley.edu. Suzanne Gedney served as editor. Art design services were provided by Sue Schreiner, with photography by Patty Bernstein. The publication was first distributed in 2001, then revised, expanded, and reissued in 2010 through a partnership of the Sonoma County Office of Education and the North Bay Mathematics Project.

SONOMA COUNTY OFFICE OF EDUCATION

The mission of the Sonoma County Office of Education (SCOE) is to foster student success through service to students, schools, and the community. As one of 58 county offices of education in California, SCOE functions as an educational service agency and strategic partner to the



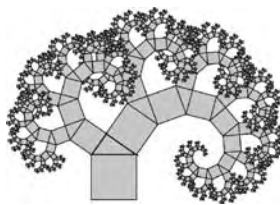
40 school districts in Sonoma County and their 175 schools.

SCOE supports local districts in building strong, effective educational systems. The agency designs and develops services to help districts operate cost-effectively, provides assistance to schools so that all students receive the best possible education, identifies new program opportunities that will benefit Sonoma County students, and works in partnership with schools and the community to improve public education. Under the direction of the elected county superintendent of schools, the Sonoma County Office of Education:

- Assists schools in improving instruction and raising student achievement;
- Provides classroom instruction for groups of students not served by local districts, including severely disabled students, wards of the court, pregnant and parenting teens, and youth who are seriously at risk of school and/or societal failure;
- Offers centralized services to districts, including fiscal accounting, library and technology resources, and staff development;
- Provides leadership and support for middle school and high school career education;
- Supports and supervises districts in complying with state law and maintaining financial solvency;
- Leads and organizes efforts to bring increased educational resources to Sonoma County;
- Initiates projects to engage parents and the community in the education of children.

NORTH BAY MATHEMATICS PROJECT

Established in 2001 with a mission of deepening teachers' understanding of mathematics and strengthening their ability to communicate mathematical concepts, the



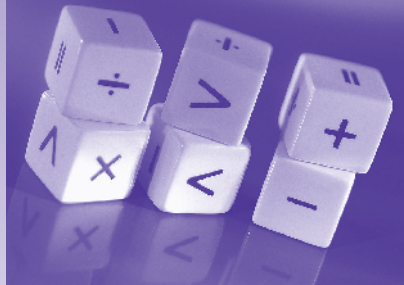
North Bay Mathematics Project (NBMP) is now an integral part of mathematics education in Northern California's kindergarten through grade 12 schools. NBMP is led by Sonoma State University mathematics faculty

and SCOE mathematics specialists, joined by faculty at Humboldt State University, elementary and secondary school administrators, and teachers from every grade level. The Project serves Sonoma, Lake, Mendocino, Humboldt, and Del Norte counties.

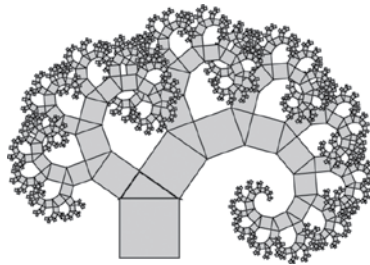
The goals of the North Bay Mathematics Project are to:

- Provide opportunities for teachers to increase their knowledge and understanding of mathematics;
- Design programs that meet the unique mathematics needs of schools, teachers, administrators, students, and parents;
- Provide assistance and materials that support mathematics and literacy learning among English learners;
- Assist teachers in developing effective strategies to help students understand the mathematics in the content standards;
- Identify, develop, and sustain mathematics leadership in education communities;
- Develop regional opportunities for mathematics professional development;
- Support schools and districts as they examine student data, develop assessment tools for mathematical knowledge, and work to improve instructional practices that heighten math learning.

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