

Sharon L. Young, Ph.D.

Associate Professor
Mathematics Department
Seattle Pacific University

EDUCATION

Ph.D. University of Colorado, Boulder, Colorado
1979

M.A. University of Denver, Denver, Colorado
1976

B.A. University of Redlands, Redlands, California
1966

UNIVERSITY TEACHING POSITIONS

Professor

*Department of Mathematics
College of Arts and Sciences
Seattle Pacific University
Seattle, Washington*

*Fall 2000 –Present;
1995-Spring 1999*

- Teaching undergraduate courses in mathematics education and in mathematics content for preservice elementary teachers.

Assistant Professor

*Department of Curriculum and Instruction
College of Education
Louisiana State University
Baton Rouge, Louisiana*

1982-1986

Visiting Assistant Professor

*Department of Curriculum and Instruction
College of Human Resources and Education
West Virginia University
Morgantown, West Virginia*

1981-1982

- Taught graduate and undergraduate courses in early childhood, elementary, and middle school mathematics education
- Advised master's degree students
- Served on doctoral committees
- Supervised student teachers
- Served on departmental committees

UNIVERSITY COURSES TAUGHT

Undergraduate Courses

- Methods and Materials in Elementary Mathematics (including a section designed for special education majors and a section designed for early childhood education majors)
- Mathematics Content for Elementary Teachers: Numerical Reasoning; Algebraic and Statistical Reasoning; and Geometric Reasoning

Graduate Courses

- Studies in the Teaching of Elementary School Mathematics (a doctoral seminar)
- Methods and Materials in Middle School Mathematics
- Diagnostic-Prescriptive Techniques for Teaching Elementary School Mathematics
- Advanced Mathematics Methods in the Elementary School

Graduate Extension Courses/Workshops

- Writing for Mathematics Educators
- An Overview of the Mathematics Curriculum (grades P-8)
- Measurement and the Metric System in Early Childhood Education
- Principles and Practices in Teaching the Metric System at the K-6 Level
- Teaching Math Through the Use of Manipulatives

PUBLIC SCHOOL TEACHING POSITIONS HELD

Program Specialist

*Department of Compensatory Education
North Sacramento School District
Sacramento, California*

1973-1974

- Provided inservice programs in mathematics education and in parent participation and assisted teachers in 13 district elementary schools

Teacher

*North Sacramento School District
Sacramento, California*

1968-1973

- Taught grade 2, self-contained classroom
- Taught grades 1, 2, and 3 combined for team teaching
- Taught grades 4, 5, and 6 in summer school

Teacher

*Spotswood School District
Spotswood, New Jersey*

1967-1968

- Taught grade 2, self-contained classroom

EDUCATIONAL CONSULTING

Consultant and Writer

Las Alamos, California

Winter 2002

- Participated on a team of writers for developing instructional and assessment items for an NSF funded project

EDUCATIONAL CONSULTING (continued)

On-Line Curriculum Program

July 2000 - February 2001

Developer

*SchoolKit.Com
Bellevue, Washington*

- Participated on a team of curriculum developers writing on-line educational activities for grades K-12. I specifically wrote mathematics activities and teacher notes to be used with students in classrooms for grades 1-5.

Author and Consultant

*Addison-Wesley Publishing Company
Menlo Park, California*

1975 - 1994

- Participated on a team of six senior authors developing, writing, and updating an elementary mathematics textbook series for grades K-8.
- Conducted workshops and made presentations in elementary mathematics for inservice teachers and administrators

Consultant

*Good Apple, Inc.
Carthage, Illinois*

1980-1983

- Conducted seminars and workshops in elementary mathematics for inservice teachers and administrators

Consultant

*Educational Consulting Associates
Englewood, Colorado*

1976-1979

- Conducted seminars in elementary mathematics for inservice teachers and administrators in the United States, Canada, and Europe

AWARDS

Distinguished Dissertation Award in Teacher Education, presented by the national Association of Teacher Educators at their annual meeting February 17, 1981.

PUBLISHED MATERIALS

Refereed Articles in Journals

Young, S. and O'Leary, R. *Creating Numerical Scales for Measuring Tools. Teaching Children Mathematics*, March, 2002, 8, 400-405. (refereed)

Young, S. L. *Ideas (Activities with Television Data). The Arithmetic Teacher*, May, 1991, 38, 25-33. (refereed)

Young, S. L. *Ideas (Activities with Pizza Data). The Arithmetic Teacher*, April, 1991, 38, 26-33. (refereed)

PUBLISHED MATERIALS: Refereed Articles in Journals (continued)

Young, S. L. *Ideas* (Activities with Fingerprint Data). The Arithmetic Teacher, March, 1991, 38, 24-33. (refereed)

Young, S. L., ed. *Ideas* (Activities with Balloon Data). The Arithmetic Teacher, February 1991, 38, 26-37. (refereed)

Young, S. L., ed. *Ideas* (Activities with Sneakers Data). The Arithmetic Teacher, January, 1991, 38, 26-33. (refereed)

Young, S. L. *Ideas* (Activities with Bicycle Data). The Arithmetic Teacher, December, 1990, 38, 23-33. (refereed)

Young, S. L. *Ideas* (Activities with Sports Balls Data). The Arithmetic Teacher, November, 1990, 38, 23-32. (refereed)

Young, S. L. *Ideas* (Activities with Popcorn Data). The Arithmetic Teacher, October, 1990, 38, 24-34. (refereed)

Young, S. L. *Ideas* (Activities with Dinosaur Data). The Arithmetic Teacher, September, 1990, 38, 23-33. (refereed)

Young, S. L. *How Teacher Educators Can Use Manipulative Materials with Preservice Teachers*. The Arithmetic Teacher, December, 1983, 31, 12-13. (refereed)

Refereed Articles in Books

Young, S. *Fingerprint Detective*. Ideas: NCTM Standards-Based Instruction: Grades 5-8. ed. M. Hynes. National Council of Teachers of Mathematics, Reston, VA, 1996, 100-101, 106-107, 129. (refereed)

Young, S. *Television Commercials; Television Viewing Time*. Ideas: NCTM Standards-Based Instruction: Grades 5-8. ed. M. Hynes. National Council of Teachers of Mathematics, Reston, VA, 1996, 96-99, 104-105, 128. (refereed)

Young, S. *Favorite Television Programs*. Ideas: NCTM Standards-Based Instruction: Grades K-4. ed. M. Hynes. National Council of Teachers of Mathematics, Reston, VA, 1995, 86-87, 96-7, 117. (refereed)

Young, S. *Pizza-Topping Combinations; Favorite Pizza Toppings*. Ideas: NCTM Standards-Based Instruction: Grades K-4. ed. M. Hynes. National Council of Teachers of Mathematics, Reston, VA, 1995, 88-91, 98-99, 118. (refereed)

Young, S. *Thumbprint Graph*. Ideas: NCTM Standards-Based Instruction: Grades K-4. ed. M. Hynes. National Council of Teachers of Mathematics, Reston, VA, 1995, 92-93, 100-101, 119. (refereed)

PUBLISHED MATERIALS: Refereed Articles in Books (continued)

Young, S. *How Teacher Educators Can Use Manipulative Materials with Preservice Teachers*. Preparing Elementary School Mathematics Teachers: Readings from the Arithmetic Teacher. ed. J. Worth. National Council of Teachers of Mathematics, Reston, VA, 1988, 140-141. (refereed)

Refereed Chapters in Books

Young, S. L. The effects of instruction and field experience in diagnostic-prescriptive teaching of mathematics on preservice elementary teachers. 1981 Research Monograph: Research Reports from the Seventh National Conference on Diagnostic and Prescriptive Mathematics. eds. I. Beattie, T. Bates, J. Sherrill, & D. Owens. The Research Council for Diagnostic and Prescriptive Mathematics, Bowling Green, Ohio, 1982, 170-181.

Books: Leveled Literacy Books for Emergent and Fluent Readers

Young, S. Time & Money (A series of 10 children's early fluent readers with time and money concept themes for grades 1-2): The Classroom Store, The Digital Watch, Half Past, Hour by Hour, Ice Cream Money, Late Kate, Making Money, The Shopping Trip, Three Quarters Past a Pizza, and Twenty-Five Cents. Zaner-Bloser Publishers, Inc., Columbus, Ohio, 2004.

Young, S. Time & Money: Teacher Guide. Zaner-Bloser Publishers, Inc., Columbus, Ohio, 2004.

Young, S. Working with Numbers (a working title; a series of 10 children's Early Fluent readers with place value, skip-counting, addition, and subtraction concept themes for grades 1-2): Animal Speeds, The Coin Toss, The Hot Dog Stand, How Odd, New School Clothes, One Hundred, The Pennies, Turning Ten, What's Next?, and Untitled. Zaner-Bloser Publishers, Inc., Columbus, Ohio, 2003.

Young, S. Working with Numbers: Teacher Guide. Zaner-Bloser Publishers, Inc., Columbus, Ohio, 2003.

Young, S. Spatial Concepts (A series of 15 children's emergent readers with spatial concept themes for PreK-1): At the Beach, The Bird, The Boat, The Bookshelf, The Bridge, The Cabin, The Costume Party, Me, My Shoes, Our Room, The Pet Parade, The Playground, The Puppies, Surprise, and Walking Around. Zaner-Bloser Publishers, Inc., Columbus, Ohio, 2003.

Young, S. Spatial Concepts: Teacher Guide. Zaner-Bloser Publishers, Inc., Columbus, Ohio, 2003.

Young, S. More Geometry (A series of 10 children's emergent readers with geometric themes for K-2): Round and Round, Biscuit Surprise, Six Squares, A Special Name,

PUBLISHED MATERIALS: Books: Leveled Literacy Books for Emergent and Fluent Readers (continued)

Help Yourself, One Summer Day, Imagine That!, The Twins, The Three Bears, and The Shape Hunt. Zaner-Bloser Publishers, Inc., Columbus, Ohio, 2002.

Young, S. More Geometry: Teacher Guide. Zaner-Bloser Publishers, Inc., Columbus, Ohio, 2002.

Young, S. Counting 1-20 (A series of 20 children's emergent readers with number themes for PreK-K): One, Two, Three, Four, Five, Six, Seven, Eight, Nine, Ten, Eleven, Twelve, Thirteen, Fourteen, Fifteen, Sixteen, Seventeen, Eighteen, Nineteen, and Twenty. Zaner-Bloser Publishers, Inc., Columbus, Ohio, 2002.

Young, S. Counting 1-20: Teacher Guide. Zaner-Bloser Publishers, Inc., Columbus, Ohio, 2002.

Young, S. Plane Geometry (A series of 10 children's readers with geometric themes for grades K-1): Great-Grandma's Ovals, I Spy, Making Circles, The Mother's Day Plate, The Rectangle Birthday, Rhonda's Rhombuses, The Star Polygon, The Trapezoid Hunt, Triangle Bus Ride, and Lots and Lots of Triangles. Zaner-Bloser Publishers, Inc., Columbus, Ohio, 2001.

Young, S. Plane Geometry: Teacher Guide. Zaner-Bloser Publishers, Inc., Columbus, Ohio, 2002.

Young, S. Harry's Math Books, Set B (A series of 10 children's readers with mathematical themes for grades K-1): One O'Clock Is Time for One Nap, Taller Than Molly, The Garage Sale, One More Child, Six Pieces of Cake, The Pizza Maker, What to Wear?, At the Park, Mirror Magic, and Squares. Outside the Box, Inc., Sage Publications, Thousand Oaks, California, 1998. (Currently published by Zaner-Bloser Publishers, Inc., Columbus, Ohio.)

Young, S. Harry's Math Books, Set B: Teacher Guide. Outside the Box, Inc., Sage Publications, Thousand Oaks, California, 1998. (Currently published by Zaner-Bloser Publishers, Inc., Columbus, Ohio.)

Young, S. Harry's Math Books, Set A (A series of 15 children's readers with mathematical themes for grades K-1): One Soccer Game, Courtney's Twos, The Treasure Map, Baking, The Birthday, Six Legs, Randy's Room, Lunch, Gillian's Nines, The Lemon Tree, Sharing, Lost!, A Dozen Eggs, The Monster, and The Shape Maker. Outside the Box, Inc., Sage Publications, Thousand Oaks, California, 1997. (Currently published by Zaner-Bloser Publishers, Inc., Columbus, Ohio.)

Young, S. Harry's Math Books, Set A Teacher Guide . Outside the Box, Inc., Sage Publications, Thousand Oaks, California, 1997. (Currently published by Zaner-Bloser Publishers, Inc., Columbus, Ohio.)

Books: Basal Textbook Series

Eicholz, R.; O'Daffer, P.; Charles, R.; Young, S.; Barnett, C. and others. Addison-Wesley Mathematics (an elementary basal text series grades K-8). Addison-Wesley Publishing Company, Inc., Menlo Park, California, 1995.

Eicholz, R.; O'Daffer, P.; Charles, R.; Young, S.; Barnett, C.; Fleenor, C. and others. Addison-Wesley Mathematics (an elementary basal text series grades K-8). Addison-Wesley Publishing Company, Inc., Menlo Park, California, 1993, 1991.

Coombs, B.; Harcourt, L.; Travis, J.; Wannamaker, N.; and Young, S. Explorations in Math (an alternative primary program for grades 1-2). Addison-Wesley Publishing Company, Inc., Menlo Park, California, 1993.

Eicholz, R.; O'Daffer, P.; Charles, R.; Young, S.; Barnett, C.; and Fleenor, C. Addison-Wesley Mathematics (an elementary basal text series grades K-8). Addison-Wesley Publishing Company, Inc., Menlo Park, California, 1989, 1987, 1985.

Books

Young, S., ed. Connecting Mathematics and Children's Literature. 1998 Single Topic Edition of Washington State Mathematics Council, 2000.

Young, S., ed. Mathematics with Calculators: Resources for Teachers (teacher's calculator activity guide and black-line masters, set of 9 books, one for each grade, K-8). Addison-Wesley Publishing Company, Inc., Menlo Park, California, 1987.

Barnett, C. with Young, S. Teaching Kids Math: Problem-Solving Activities to Help Young Children Learn and Enjoy Mathematics. Prentice-Hall, Englewood, N.J., 1982.

Young, S. Mathematics in Children's Books: An Annotated Bibliography Preschool through Grade 3. Creative Publications, Palo Alto, California, 1979.

Other Articles

Young, S. *Finding Averages*. Instructor, July/August, 1992, 102, 69.

Aho, C., Barnett, C., Judd, W. P. & Young, S. Measure Matters (Sets A, B, and C). Creative Publications, Palo Alto, California, 1976.

Other Printed Instructional Resources: Classroom Activity Cards

Young, S. Graphing Gallery. University of Denver Math Lab, Denver, Colorado, 1976. Developed through an NSF grant.

Young, S. Beginning Number Concepts. University of Denver Math Lab, Denver, Colorado, 1975. Developed through an NSF grant.

Other Instructional Resources: Staff Development Videotapes

Young, S. Teaching with Calculators, (a staff development videotape program to support Addison-Wesley Mathematics). Addison-Wesley Publishing Company, Inc., Menlo Park, California, 1987.

Other Instructional Resources: Online Interactive Student Activities

Young, S. A Thousand Things. SchoolKiT.com, Bellevue, Washington, 2001. Published online at www.SchoolKiT.com.

Young, S. Adding with Peas and Carrots. SchoolKiT.com, Bellevue, Washington, 2000. Published online at www.SchoolKiT.com.

Young, S. Latin Squares. SchoolKit.com, Bellevue, Washington, 2000. Published online at www.SchoolKiT.com.

Young, S. Patterns Everywhere. SchoolKiT.com, Bellevue, Washington, 2000. Published online at www.SchoolKiT.com.

Young, S. Rex's Store. SchoolKiT.com, Bellevue, Washington, 2000. Published online at www.SchoolKiT.com.

Young, S. Square Numbers. SchoolKiT.com, Bellevue, Washington, 2000. Published online at www.SchoolKiT.com.

PAPERS AND PRESENTATIONS

Refereed Papers and Presentations: International and National

- *Quality Discourse and the Bloom's Taxonomy Connection*. NCTM Annual Meeting, Philadelphia, PA, April 28, 2012. (refereed)
- *Asking the Right Questions Promotes Mathematical Discourse*. NCTM Annual Meeting, Indianapolis, IN, April 14, 2011. (refereed)
- *The Question-Discourse Connection: What Questions Should You Be Asking?* NCTM Annual Meeting, San Diego, CA, April 23, 2010. (refereed)
- *Are You Asking the Right Questions?* NCTM Annual Meeting, Salt Lake City, UT, April 10, 2008. (refereed)
- *Good Questions + the Process Standards = Meaningful Discourse + Learning*. NCTM Annual Meeting, St. Louis, Missouri, April 27, 2007. (refereed)
- *Are You Asking the Right Questions?* NCTM Annual Meeting, St. Louis, MO, April 28, 2006. (refereed)

PAPERS AND PRESENTATIONS: Refereed Papers and Presentations:
International and National (continued)

- *Using Problem Solving Journals in Content and Methods Courses.* Association of Mathematics Teacher Educators, Dallas, Texas, January 28-29, 2005. (refereed)
- *Preservice Elementary School Teachers Write About Mathematics and Math Teaching.* NCTM Annual Meeting, Orlando, Florida, April 6, 2001. (refereed)
- *Training and Using Parent Math Volunteers in the Elementary School Classroom.* NCTM Annual Meeting, Chicago, Illinois, April 14, 2000. (refereed)
- *Use of an Oral Role-Playing Exam to Assess Preservice Elementary Teachers' Use of Manipulative Aids to Teach Mathematics.* with Flexer, R. Fifth International Congress on Mathematical Education (ICME), Adelaide, South Australia, August 28, 1984. (refereed)
- *Assessing the Understanding of Place Value Numeration in Primary Grade Children.* with Cooper, N. Research Council for Diagnostic and Prescriptive Mathematics (RCDPM), Pre-ICME Satellite Conference, Monash University, Melbourne, Australia, August 21, 1984. (refereed)
- *The Effects of Instruction and Field Experience in Diagnostic-Prescriptive Teaching of Mathematics on Preservice Elementary Teachers.* Association of Teacher Educator's annual national meeting, February 16, 1981. (refereed)
- *The Effects of Instruction and Field Experience in Diagnostic-Prescriptive Teaching of Mathematics on Preservice Elementary Teachers.* Research Council for Diagnostic-Prescriptive Mathematics annual meeting, Vancouver, British Columbia, Canada, April 14, 1980. (refereed)

Invited Papers and Presentations: International and National

- *Using Manipulatives to Help Children Make a Connection to Solving and Creating Problems using Deductive Logical Reasoning.* NCTM Annual meeting, Washington, D. C., April 2, 1998.
- *Think! Find Patterns! Memorize Basic Facts! Using the 10-Frame and Other Materials.* NCTM annual meeting, Nashville, Tennessee, April 3, 1992.
- *Implementing the Communications Standard in Grades K-4.* NCTM annual meeting, New Orleans, April 18, 1991.
- *Problem Solving: Getting Your Students to Write.* NCTM annual meeting, Salt Lake City, Utah, April 21, 1990.

PAPERS AND PRESENTATIONS: Invited Papers and Presentations: International and National (continued)

- *Mathematics in Children's Literature.* International Reading Association annual meeting, New Orleans, Louisiana, May 7, 1985.
- *Let Dominoes Solve Your Problems.* National Council of Teachers of Mathematics (NCTM) annual meeting, Toronto, Ontario, Canada, April 16, 1982.
- *Mathematics with Meaning.* Educational Consulting Associates International Conference, Amsterdam, Netherlands, July 18-22, 1977.
- *Teaching Metrics.* Educational Consulting Associates International Conference, Amsterdam, Netherlands, July 18-22, 1977.

Invited State and Regional Presentations from 1990 – 2012

- *Bloomin' Questions + Nurturing Discourse = Student Growth.* 51st Northwest Mathematics Conference annual meeting, Victoria, B.C. October 20, 2012.
- *The Question-Discourse Connection: What Questions Should You Be Asking?* NCTM Regional Conference, Denver, CO October 7, 2010.
- *The Right Questions.* 47th Northwest Mathematics Conference annual meeting, Portland, Oregon, October 11, 2008.
- *Good Questions + the Process Standards = Meaningful Discourse + Learning.* NCTM Regional Conference, Houston, Texas, November 27, 2007.
- *Are You Asking the Right Questions?* 46th Northwest Mathematics Conference annual meeting, Bellevue, WA 2007.
- *Blooming Questions.* 45th Northwest Mathematics Conference annual meeting, Victoria, B.C., October 20, 2006.
- *Teaching Fractions Through Literature.* 43rd Northwest Mathematics Conference annual meeting, Whistler, B.C., Canada, October, 2003.
- *Getting Budding Mathematicians to Create Their Own Measurement Scales for Length, Capacity, and Temperature.* 41st Northwest Mathematics Conference, Portland, Oregon, October 11, 2002.
- *Solve Those Logic Problems Using Colored Cubes and Grids!* 40th Northwest Mathematics Conference, Bellevue, Washington, October 12, 2001.
- *Training and Using Parent Math Volunteers in the Elementary School Classroom.* NCTM Regional Conference, Yakima, Washington, February 22, 2001.
- *Solving and Creating Logic Problems with Colored Cubes.* 39th Northwest Mathematics Conference annual meeting, Victoria, B.C., Canada, October 15, 2000.

PAPERS AND PRESENTATIONS:**Invited State and Regional Presentations from 1990 – 2012** (continued)

- *Teaching Fractions Through Literature and Writing.* 38th Northwest Mathematics Conference, Portland, Oregon, October 8, 1999.
- *The Fraction and Literature Connection.* 38th Northwest Mathematics Conference, Portland, Oregon, October 8, 1999.
- *Fractions, Literature, and Blooming Authors Fit Together When Children Use Concrete Models.* 37th Northwest Mathematics Conference, Spokane, Washington, October 9, 1998.
- *Making Connections Between Children's Literature, Mathematics, and Writing.* 35th Northwest Mathematics Conference, Portland, Oregon, October 11, 1996.
- *Using Cubes for Logical Reasoning.* 35th Northwest Mathematics Conference, Portland, Oregon, October 11, 1996.
- *Children's Writing Can Play a Critical Role in Alternative Assessment.* 34th Northwest Mathematics Conference, Seattle, Washington, October 13, 1995.
- *Think! Find Patterns! Memorize Basic Facts!* NCTM regional meeting, Birmingham, Alabama, February 20, 1995.
- *Using Logic to Solve Problems.* 33rd Northwest Mathematics Conference annual meeting, Victoria, B.C., Canada, October 21, 1994.
- *Using Thinking Strategies to Memorize Basic Facts.* NCTM regional meeting, Jackson, Mississippi, October 22, 1993.
- *Strategies for Memorizing Basic Facts.* Florida Council of Teachers of Mathematics (FCTM) annual meeting, Fort Walton Beach, Florida, October 16, 1992.
- *Strategies for Memorizing Basic Facts.* FCTM annual meeting, Sarasota, October 15, 1991.
- *Making the Connection: From Concrete to Symbols.* Florida Council of Teachers of Mathematics (FCTM) annual meeting St. Petersburg, Florida, October 20, 1990.
- *Making the Connection: From Concrete to Symbols.* 29th Northwest Mathematics Conference annual meeting, Portland, Oregon, October 12-13, 1990.
- *Fact Strategies: Strategies for Memorizing Basic Facts.* CAMT annual meeting, Dallas-Fort Worth Airport, Texas, August 8, 1990.

PAPERS AND PRESENTATIONS:**Other Presentations**

- *Putting Parents, Kids, and Math Together.* Watson Groen Christian School Parent Club, Seattle, Washington, February, 1997.
- *Working with the State Essential Academic Learning Requirements in Mathematics Part 2.* Watson Groen Christian School, Seattle, Washington, January, 1997.
- *Working with the State Essential Academic Learning Requirements in Mathematics Part 1.* Watson Groen Christian School, Seattle, Washington, December, 1996.
- *Working with the Washington State Essential Academic Learning Requirements in Mathematics.* Shelton View Elementary School, Bothell, Washington, October, 1996.
- *Popcorn, Pizza, and Dinosaurs: Graphing in the Intermediate Classroom.* Shelton View Elementary School, Bothell, Washington, September 28, 1995.
- *Working with the NCTM Standards.* Shelton View Elementary School, Bothell, Washington, August 25, 1995.
- *The K--6 Mathematics Curriculum.* Jefferson Parish School District, Kenner, Louisiana, October 19-20, 1993.
- *Manipulatives, Texts, and Mathematics Curriculum.* Edgewood Independent School District, San Antonio, Texas, June 16-17, 1992.
- *Strategies for Memorizing Basic Facts.* Greater New Orleans Mathematics Council (GNOMC) annual meeting, Kenner, Louisiana, March 21, 1992.
- *Heads Up and Hands On with the NCTM Standards.* (keynote talk) Greater New Orleans Math Council (GNOMC) annual meeting, Kenner, Louisiana, March 20, 1992.
- *Heads Up and Hands On with the NCTM Standards.* (keynote talk) Audubon School Interstate Conference, Baton Rouge, Louisiana, February 8, 1992.
- *Dinosaurs, Popcorn, and Pizza: Graphing Data.* Audubon School Interstate Conference, Baton Rouge, Louisiana, February 8, 1992.
- *Strategies for Memorizing Addition and Subtraction Facts.* East Baton Rouge Parish Schools, Baton Rouge, Louisiana, February 7, 1992.
- *Focus on the NCTM Standards: Choosing a Calculation Method.* East Baton Rouge Parish Schools, Baton Rouge, Louisiana, February 7, 1992.

PAPERS AND PRESENTATIONS: Other Presentations (continued)

- *Communication and Problem Solving.* East Baton Rouge Parish Schools, Baton Rouge, Louisiana, February 7, 1992.
- *Focus on the NCTM Standards.* Saratoga Springs School District, Saratoga Springs, New York, September 15, 1991.
- *Focus on the NCTM Standards.* Eldora School District, Eldora, New York, September 16, 1991.
- *Focus on the NCTM Standards.* New York City Schools, New York City, New York, February 20, 1991.
- *Focus on the NCTM Standards.* New York City Schools, New York City, New York, February 21, 1991.
- *Using Calculators in the Elementary Classroom.* New York City Schools, New York City, New York, February 22, 1991.
- *Using Logical Reasoning.* (keynote talk) Okaloosa County Schools, Fort Walton Beach, Florida, August 22, 1990.
- *Problem Solving and Choose a Calculation Method.* (week-long workshop and course) Orange County Schools, Orlando, Florida, June 25-29, 1990.
- *Using Calculators in the Elementary Curriculum.* Hillsborough County Schools, Tampa, Florida, February 9, 1990.
- *Manipulatives and Calculators in the Elementary Curriculum.* (2 all day training sessions for teachers in NSF project) East Baton Rouge Parish Schools, Baton Rouge, Louisiana, January 18-19, 1990.
- *Mathematics in Children's Literature.* Orange County Schools, Orlando, Florida, January 16, 1990.
- *Those Basic Facts Can Be Memorized.* Orange County Schools, Orlando, Florida, January 16, 1990.

PROFESSIONAL ORGANIZATIONS (current memberships)

Member, Association of Mathematics Teacher Educators

Member, National Council of Teachers of Mathematics

Member, National Council of Supervisors of Mathematics

Member, Washington State Mathematics Council

PROFESSIONAL ORGANIZATIONS (current memberships) (continued)

Member, Puget Sound Council of Teachers of Mathematics

SERVICE:

Service to Organizations

- Secretary for Puget Sound Council of Teachers of Mathematics, 2012-2013.
- Publications Chair for Washington State Mathematics Council, 1995-2005.
- Reviewer for journals for NCTM, 1984- present.
- Member, Nominations Committee for Association of Mathematics Teacher Educators, 2003.
- Co-editor, 2000 Single Topic Edition for the Washington State Mathematics Council, 2001.
- Editor, 1998 Single Topic Edition for Washington State Mathematics Council, 2000.
- Director of three summer Writer's Retreat s for Washington State Mathematics Council, August 1998, August 1999, and July 2001. (Held at Alumni House, Camp Casey.)
- Editor and author, by invitation of a refereed panel, for the "Ideas" section of The Arithmetic Teacher, 1990-1991, published by NCTM.
- Presenter, by invitation, for the NCTM session at the International Reading Association annual meeting in New Orleans, Louisiana, May 7, 1985.
- Member of a working sub-committee to develop an NCTM-sponsored annotated bibliography of children's books dealing with mathematical topics, 1986-1990.
- Committee member for a sub-committee that worked on hosting the NCTM annual meeting in Orlando, Florida, April, 1989.
- Newsletter editor for Louisiana Association of Teachers of Mathematics, 1984-1985.

Service to the Community

- Member and Grades 3-5 Writer for OSPI Committee to Revise the Mathematics Standards for State of Washington, October 2007 – March 2008.
- Further develop instructional materials for statistics and probability activities for Parent Math Docent program at Sunrise Elementary School, Redmond, Washington, fall 2004.

- Auditor, Northshore Junior High School PTA, 2003-2005.
- Trainer for volunteer parent math docents at Sunrise Elementary School, Redmond, Washington, September, 2002.
- Director for Volunteer parent math docent program at Sunrise Elementary School, Redmond, Washington, 2002-2003.
- Trainer for volunteer parent math docents at Sunrise Elementary School, Redmond, Washington, September, 2001.
- Volunteer for Sunrise Elementary School field day, Redmond Washington, June, 2001.
- Volunteer Parent Math Docent for grade 4 at Sunrise Elementary School, Redmond, Washington, winter and spring, 2001.
- Volunteer Parent Art Docent for grade 4 at Sunrise Elementary School, Redmond, Washington, spring, 2001.
- Volunteer Parent Math Docent for grade 3 at Sunrise Elementary School, Redmond, Washington, winter and spring, 2000.
- Auditor for Northshore Junior High School PTA, 1999- 2000
- Parent assistant for Brownie Troop 3004, 1999-2000.
- Conducted training of volunteer parent math docents at Sunrise Elementary School, Redmond, Washington, October, 1999.
- Volunteer to teach math lessons for grade 1 at Sunrise Elementary School, Redmond, Washington, spring, 1998.
- Advising member of mathematics textbook selection committee, Northshore School District, Bothell, Washington, 1996-1998.
- Workshop (four days) to train parent math docents at Sunrise Elementary School, Redmond, Washington, September 1997.
- Volunteer to teach math lessons for grade 4 at Sunrise Elementary School, Redmond, Washington, September 1996-June 1997.
- Volunteer through Puget Sound Smocking Guild, Bellevue, Washington and Treasured Threads Smocking Guild, Renton, Washington, to make smocked premie gowns for local hospital neo-natal care units, 1994 - 1996.

- Parent committee member for a school district committee formed to coordinate materials for a grant proposal to NSF. Northshore School District, Bothell, Washington, spring 1995.
- Volunteer to work with teachers at Sunrise Elementary School, Redmond, Washington, in the area of mathematics education, winter and spring 1995.
- Volunteer to teach math lessons for grade 2 at Sunrise Elementary School, Redmond, Washington, spring 1995.
- University liaison on a math improvement committee for East Baton Rouge Parish School District, 1982-1986.