

# Authors

Macmillan/McGraw-Hill relied on the expertise of our authors, consultants, and reviewers to provide invaluable feedback during the development of the program. For a complete listing of the Florida Reviewers, see the Program Overview in the Teacher Edition in the *Florida Math Connects* program.

## Lead Authors

Our lead authors ensure that the Macmillan/McGraw-Hill and Glencoe/McGraw-Hill mathematics programs are truly vertically aligned by beginning with the end in mind—success in Algebra 1 and beyond. By “backmapping” the content from the high school programs, all of our mathematics programs are well articulated in their scope and sequence.



### John A. Carter, Ph.D.

Assistant Principal for Teaching and Learning Adlai E. Stevenson High School in Lincolnshire, Illinois

- Member of the Executive Board for NCTM
- Member of the writing team for the NCTM Focus in High School Mathematics: Reasoning and Sense Making publication
- Former mathematics teacher; mathematics department chairman
- Received the *Business Week* Award for Innovation in Mathematics and Science Teaching, 1992
- Awarded the Presidential Award for Excellence in Mathematics Teaching
- Frequent speaker at NCTM, NCSM, and Advanced Placement/College Board Annual Conferences

**Areas of Expertise** Using technology and manipulatives to visualize concepts; Mathematics achievement of English Language Learners

**Publications** Author of numerous journal articles and publications; most recently on Macmillan/McGraw-Hill's and Glencoe/McGraw-Hill's mathematics programs PreK–12

### Gilbert J. Cuevas, Ph.D.

Professor of Mathematics Education at Texas State University in San Marcos, Texas

- Former member of the Executive Committee of the Mathematical Sciences Education Board
- Former high school mathematics teacher
- Consultant for American College Test (ACT)
- Received an award from the Mathematical Sciences Education Board of the national Research Council, National Academy of Sciences for work to increase minority student representation in mathematics
- Member of the Phi Delta Kappa and Phi Kappa Phi
- List in Who's Who Among America's Teachers

**Areas of Expertise** Applying concepts and skills in mathematically rich context; Mathematical representations; Integrating math and literacy

**Publications** Author of more than 50 journal articles and publications; most recently on Macmillan/McGraw-Hill's and Glencoe/McGraw-Hill's mathematics programs PreK–12 and *Integrating Mathematics and Literacy at the Secondary Level*



## Roger Day, Ph.D.

Mathematics Department Chair at Pontiac Township High School in Pontiac, Illinois

- Received the College of Arts and Sciences Distinguished Teacher Award in 1995 and the University Teaching Initiative Award in 1996
- Nominated by the Mathematics Department for Outstanding University Teacher Award in 2003 and 2004
- Frequent presenter at regional and national conferences such as NCTM and Title II Mathematics Teachers' Workshop
- Member of the Editorial Panel for *Mathematics Teacher*, and NCTM publication
- Member of the author team for NCTM Navigations Project (Grades 9–12 Geometry)
- Serves as a reviewer and referee to numerous institutions including the American Education Research Association, the American Association of Colleges for Teacher Education, National Science Foundation, NCTM, and School Science And Mathematics Association

**Areas of Expertise** Understanding and applying probability and statistics; Mathematics teacher education

**Publications** Author of more than 50 journal articles and publications; most recently on Macmillan/McGraw-Hill's and Glencoe/McGraw-Hill's mathematics programs PreK–12



## Carol E. Malloy, Ph.D

Associate Professor of Mathematics Education at University of North Carolina in Chapel Hill, North Carolina

- Coordinator of the Master of Arts in Teaching Secondary Certification Program (MAT)
- Associate Director for Programs at the UNC Mathematics & Science Education Network (NSEN)
- Writer for the NCTM Standards project
- Frequent keynote and colloquium speaker at workshops and summer institutes such as CMC, National NCTM, and regional or state NCTM meetings
- 20 years experience teaching as a middle school mathematics and high school mathematics and computer science teacher
- Past President of the Benjamin Banneker Association where she received the Distinguished Member Award
- Received the Mentor Award for Lifetime Achievement from the University of North Carolina at Chapel Hill

**Areas of Expertise** Representations and critical thinking; Student success in Algebra 1

**Publications** Author of more than journal articles and publications; most recently on Macmillan/McGraw-Hill's and Glencoe/McGraw-Hill's mathematics programs PreK–12

You can find a professional development article by Dr. Malloy in your *Teacher Resource Handbook* on pages TR28–TR29. The article is entitled, "Reaching All Learners: Providing Equity in Mathematics Education".

# Program Authors

Our program authors make certain that the Macmillan/McGraw-Hill and Glencoe/McGraw-Hill mathematics programs ensure that students are prepared a smooth transition from elementary to middle school mathematics by providing strong development of foundational skills. The consistency these authors provide includes common vocabulary, instructional design and philosophy, manipulatives, and professional development for PreK–8.



## Mary Behr Altieri

Math Consultant; Putnam/Northern Westchester BOCES in Yorktown Heights, New York

- Recipient of the National Presidential Award for Excellence in Mathematics Teaching
- Math Mentor for New York State Math Mentor Program

**Area of Expertise** Algebraic thinking across all grade levels; Conceptual development of multiplication and division from primary grades through intermediate grades

**Publications** Author of numerous educational publications and articles; most recently on Macmillan/McGraw-Hill's *Math Connects* K–5



## Don S. Balka

Professor Emeritus in the Mathematics Department; Saint Mary's College in Notre Dame, Indiana

- Currently on the NCTM Board of Directors
- Serving in the office of Member-at-Large for TODOS
- Board Liaison for Mathematics Teaching in the Middle School Editorial Panel (MTMS)
- Former middle and high school mathematics teacher
- Presented more than 2,000 workshops on the use of manipulatives at national and regional conferences of NCTM
- Taught classes internationally
- Served as Director for NCTM, NCSM, and SSMA

**Area of Expertise** Use of manipulatives; Algebra instruction; and Children's literature and mathematics

**Publications** Author of more than 20 books on the use of manipulative for teaching mathematics and numerous educational publications and articles; most recently on Macmillan/McGraw-Hill's *Math Connects* K–5 and *Visual Math Dictionary*



## Philip D. Gonsalves

Mathematics Coordinator; Alameda County Office of Education and California State University East Bay; Hayward, California

- Mathematics Consultant for CA Region IV School districts
- Director of Alameda County Collaborative for Learning and Instruction in Mathematics (ACCLAIM)
- Director of the Elementary and Secondary Mathematics Coaching network
- Program Investigator for five CaMSP partnership grants
- Director of the Mathematics Development Center at ACOE
- Received the Excellence in Teaching Award, CSUEB
- Alameda-Contra Costa Counties Mathematics Teacher of the Year

**Area of Expertise** Professional development (pre-service and in-service); Curriculum and assessment development; and Effective use and integration of technology

**Publications** Author of numerous educational articles; most recently on Macmillan/McGraw-Hill's *Math Connects* K–5 and Glencoe/McGraw-Hill's *Math Triumphs*



## Ellen C. Grace

Mathematics Consultant; Albuquerque, New Mexico

- Frequent presenter at NSTA, NCTM, IRA, and NAEYC; and internationally at ECIS, NESA, CESA, and International ASCD
- Former elementary and middle school teacher; Master teacher
- Visiting instructor of graduate courses in the College of Education at the University of New Mexico
- Award a citation from the New Mexico State Department of Education for excellence in teaching
- EPDA Fellowship

**Areas of Expertise** Incorporating children’s literature; Math-Science connections; Hands-on conceptual development; Algebra in PreK–6th grade; and Early childhood best practices

**Publications** Author of numerous educational articles; most recently on Macmillan/McGraw-Hill’s *Math Connects* K–5



## Stephen Krulik, Ed.D.

Professor Emeritus of Mathematics Education at Temple University in Cherry Hill, New Jersey

- National and International Consultant and Presenter
- Former mathematics teacher in New York City in grades 3–12
- Editor of the NCTM Standards and the NCTM Yearbook *Problem Solving in School Mathematics*
- Served on the committee responsible for preparing the Professional Standards for Teaching Mathematics from NCTM
- Recipient of the 2001 Lindbach Award for outstanding college professor
- Honored by Temple University in 2003 with the Great Teacher Award

**Areas of Expertise:** History of Mathematics; Teaching problem solving; Motivation; and Methods of teaching mathematics

**Publications** Author of more than 30 textbooks on the teaching of mathematics and the teaching of problem solving; including *Assessing Reasoning and Problem Solving: A Sourcebook for Elementary School Teachers* and most recently on Macmillan/McGraw-Hill’s *Math Connects* K–5

You can find a professional development article by Dr. Krulik in your *Teacher Resource Handbook* on pages TR20–TR21. The article is entitled, “Problem Solving in Grades K–8”.



## Rhonda J. Molix-Bailey

Mathematics Consultant, Founder of Mathematics by Design in Desoto, Texas

**Area of Expertise** Problem-solving strategies; Scope and sequence development; Geometry; and Geometry in grades K–12 mathematics

**Publications** Author of numerous educational publications and articles; most recently on Macmillan/McGraw-Hill’s *Math Connects* Kindergarten–Pre-Algebra

## Program Authors (continued)



### Lois Gordon Moseley

Mathematics Consultant; Staff Developer with NUMBERS: Mathematics Professional Development; Houston, Texas

- Facilitator in Project ACES at the University of Houston
- Chairperson for the Mathematics Texas Essential Knowledge and Skills (TEKS) writing team, grades K–12
- Former middle and high school mathematics teacher in the Houston Independent School District
- Coordinator for the Department of General Education—Region IV Education Service Center in Houston, Texas
- Serving on the Board of Directors for the Benjamin Banneker Association

**Areas of Expertise** Mathematics and Biology; Technical reading; Intervention strategies; and Assessment

**Publications** Author of numerous educational publications and articles; most recently on Macmillan/McGraw-Hill's *Math Connects* K–5



### Brian Mowry

Independent Math Educational Consultant; Pre-Kindergarten Instructional Specialist with the Austin Independent School District in Austin, Texas

- Frequent presenter at CAMT, NAEYC, and NCTM

**Areas of Expertise** Early childhood education; and CGI (Cognitively Guided Instruction)

**Presentations** Author of numerous educational publications and articles; most recently on Macmillan/McGraw-Hill's *Math Connects* PreK–5

You can find two professional development articles by Brian in your *Teacher Resource Handbook* on pages TR2–TR3 and TR4–TR5. The articles are entitled, “So You’re Teaching Kindergarten” and “So You’re Teaching First Grade”.



### Christina L. Myren

Consultant Teacher with the Conejo Valley Unified School District in Thousand Oaks, California

- Recipient of the 1990 Presidential Award for Excellence in Science and Mathematics Teaching
- California Presidential Awardee for Excellence in Mathematics Teaching
- Classroom teacher in Conejo Valley Unified School District in Thousand Oaks, California
- Frequent presenter at NCTM and California Mathematics Conferences (CMC)

**Area of Expertise** From assessment to differentiation; and Using games and activities to foster mathematical thinking and skill development

**Publications** Author of numerous educational publications and articles; most recently on Macmillan/McGraw-Hill's *Math Connects* K–5

You can find a professional development article by Christina in your *Teacher Resource Handbook* on pages TR8–TR9. The article is entitled, “So You’re Teaching Third Grade”.



## Jack Price, Ed.D.

Professor Emeritus California State Polytechnic University; Pomona, California

- Past-President of NCTM
- Past-President of the Benjamin Banneker Association

**Areas of Expertise** Problem solving; Proportionality; Probability, Statistics, and Geometry in K–12 mathematics; Pre-Service teacher education; and Getting ready for Algebra

**Publications** Author of numerous educational publications and articles; most recently on Macmillan/McGraw-Hill's *Math Connects* K–Algebra



## Mary Esther Reynosa PD

Instructional Specialist for Elementary Mathematics with the Northside Independent School District in San Antonio, Texas

- More than 16 years experience as an elementary and middle school mathematics teacher
- Currently an Instructional Specialist for Elementary Mathematics K–5

**Areas of Expertise** Fractions; Using manipulatives in mathematics; Connecting children's literature to mathematics; and Texas TEKS and TAKS

**Publications** Author of numerous educational publications and articles; most recently on Macmillan/McGraw-Hill's *Math Connects* K–8

You can find a professional development article by Mary Esther in your *Teacher Resource Handbook* on pages TR12–TR13. The article is entitled, "So You're Teaching Fifth Grade".



## Rafaela M. Santa Cruz, Ph.D.

Associate Professor of Teacher Education at San Diego State University; SDSU/CGU Doctoral Program in Education; San Diego, CA

- Former classroom teacher and department chair
- Director of the SDSU/CGU Joint Ph.D. Program in Education
- Director of the San Diego Mathematics Project
- Director of the SDSU Math/Science Teacher Initiative
- Interim Director School of Teacher Education SDSU
- CoPrincipal Investigator, Science Achievement in Biology (SABIO)
- Involved with B-FIRST, a student recruitment program at San Diego High School
- Director of the College of Education Faculty Student Mentor Program at SDSU

**Areas of Expertise** Special education; Bilingual education; Mathematics methods; Assessment; Educational psychology; and Statistics and research methods for doctoral students

**Publications:** Author of numerous educational publications and articles; most recently on Macmillan/McGraw-Hill's *Math Connects* K–5

## Program Authors (continued)



### Robyn Silbey PhD

Math Content Coach for the Montgomery County Public Schools in Gaithersburg, Maryland

- Thirty-four plus years in mathematics education: classroom teacher, math coach, and math specialist
- Facilitator of a Singapore Math Pilot
- Frequent speaker at NSDC, ASCD, NCSM, CAMT, and NCTM
- Presented her problem-solving workshop at the International Congress of Mathematics Educators
- Served on the Editorial Panel of Teaching Children Mathematics, an NCTM periodical
- Served on the Teacher Advisory Panel for Instructor Magazine
- Teacher Consultant in the Teaching Training Corps as part of the Teacher-to-Teacher Initiative for the U.S. Department of Education
- Founder of Parents as Partners
- Past Executive Board member of the Maryland Council of Teachers of Mathematics

**Areas of Expertise** Problem solving and high-order thinking questions; Building effective lessons; Student engagement; Cooperative learning strategies; Discourse strategies; Singapore Math theory; Math coaching; and Staff intervention and professional development specialist

**Publications** Author of numerous educational publications, computer software, and supplemental math materials; most recently on Macmillan/McGraw-Hill's *Math Connects* K–8; Macmillan/McGraw-Hill's *IMPACT Mathematics*, and Glencoe/McGraw-Hill's *Math Triumphs*

You can find two professional development articles by Robyn in your *Teacher Resource Handbook* on pages TR22–TR23 and TR38–TR39. The articles are entitled, “Bar Diagrams” and “Intervention—Bridging the Gaps in Student Learning”.



### Kathleen Vielhaber

Mathematics Consultant; St. Louis, Missouri

- Frequent presenter at national conferences such as NCTM
- National Presidential Award for Excellence in Science and Mathematics Teaching in 1995
- Former Teacher, Mathematics Specialist, Mathematics Department Chairperson, and Mathematics Coach for middle schools in St. Louis

**Areas of Expertise** Mathematics coach (K–8) with special emphasis in the content areas of geometry and number sense, Math intervention, Computational fluency: algorithms and procedures; and Van Hiele research and the implications for teaching and learning geometry

**Publications** Author of numerous educational publications and articles; most recently on Macmillan/McGraw-Hill's *Math Connects* K–8

# Contributing Authors

These professionals gave us invaluable feedback during the development of the program. They contributed their expertise and then reviewed the instructional materials at different stages of development.



## Donna J. Long

Mathematics Consultant; Indianapolis, Indiana

- Former National Mathematics Assessment Consultant with CTB/McGraw-Hill
- Former Mathematics/Title I Coordinator, Grades K–12, for an urban school district in Indianapolis, Indiana
- Former 5–8 classroom mathematics teacher
- Mathematics Program Coordinator for Curriculum and Assessment at the Indiana Department of Education

**Areas of Expertise** Assessment across the grade levels—diagnostic, formative, summative; Differentiated instruction; Using children’s literature to enhance the lesson; Problem solving; and Using manipulatives

**Publications** *Best Practice in Mathematics: Using Test Results to Inform Instruction and Improve Student Achievement*; and most recently a consultant on Macmillan/McGraw-Hill’s *Math Connects* elementary mathematics program

You can find a professional development article by Donna in your *Teacher Resource Handbook* on pages TR36–TR37. The article is entitled, “Data-Driven Decision Making”.



## Dinah Zike

Educational Consultant; Founder of Dinah-Might Activities, Inc.; San Antonio, Texas

- Award winning author, educator, lecturer, and inventor of Foldables®
- Frequent keynote speaker and continuing education consultant at national and international conferences, presenting to over 50,000 teachers annually
- Inventor of hundred of education manipulatives used internationally
- Director of Dinah Zike Academy, a teacher training 3-day academy; Continuing Professional Education (CPE) provider for the state of Texas
- Recipient of the Teacher’s Choice Award for *The Big Book of Books and Activities*
- Received the Council for Elementary Science International’s Advocate Award

**Areas of Expertise** Graphic organizers; Hands-on Manipulatives; Visual representation; Note taking and study skills; Teacher training

**Publications** Author of numerous educational publications and articles; including the Macmillan/McGraw-Hill and Glencoe/McGraw-Hill elementary, middle, and high school programs in Reading, Language Arts, Science, Social Studies, History, and most recently *Math Connects* PreK–Algebra 2

You can find a professional development article by Dinah in your *Teacher Resource Handbook* on pages TR18–TR19. The article is entitled, “Why Use Foldables® in Mathematics”. You can learn more about Dinah and Foldables® at either [www.dinah.com](http://www.dinah.com) or [www.dzacademy.com](http://www.dzacademy.com).

# Consultants

These professionals were instrumental in providing valuable input and suggestions for improving the effectiveness of the mathematics instruction throughout the development of the program.

## Donald R. Bear, Ph.D.

Consultant for Reading and Vocabulary; Director of the E.L. Cord Foundation Center for Learning and Literacy in the College of Education at the University of Nevada in Reno; Professor of Educational Specialties in the College of Education at University of Nevada in Reno, Nevada

- Former preschool and elementary classroom teacher
- Frequent presenter and keynote speaker at national conferences such as the National Council of Teachers of English, California Reading Association, and Keystone State Reading Association
- Recipient of numerous grants and awards
- Reviewer for numerous publications such as *Elementary School Journal*, *Reading Teacher*, *Journal of Reading*, *Applied Linguistics*, and *Reading Research Quarterly*

- Editor of a national newsletter for the International Reading Association

**Areas of Expertise** Study of literacy development; Vocabulary; Word study; Teaching reading and language arts in the primary classroom; and Diagnosis of Literacy

**Publications** Author of more than 50 publications in educational journals and textbooks; most recently Macmillan/McGraw-Hill's *Treasures* elementary reading program and a consultant on Macmillan/McGraw-Hill's *Math Connects* elementary mathematics program. You can find a professional development article by Dr. Bear in your *Teacher Resource Handbook* on pages TR16–TR17. The article is entitled, "Teaching Students the Vocabulary of Mathematics"

## Sue Z. Beers

Consultant for Reading in the Content Areas; President/Consultant for Tools for Learning, Inc.; Jewell, Iowa

- Career in education that exceeds thirty years; including Gifted and Talented Program Coordinator
- Former K–12 Curriculum Director/School Improvement Coordinator for the Roland-Story Community School District in Story City, Iowa
- Director of the Mid-Iowa School Improvement Consortium which serves more than 130 school districts
- Member of ASCD Faculty and a frequent presenter at ASCD conferences
- Former middle school and high school teacher; technology coordinator, and school district administrator

**Areas of Expertise** Reading and literacy strategies; Effective teaching; Dimensions of learning; Developing learning goals; Assessment strategies; School improvement planning; and Professional Development planning

**Publications** Author of numerous educational publications and articles; such as *Reading Strategies for the Content Areas: An ASCD Action Tool, Volumes I and III*; *Using Writing to Learn Across the Content Area: An ASCD Action Tool*; *Designing, Implementing and Evaluating Professional Development: An ASCD Action Tool*; and *Adolescent Literacy: An ASCD Action Tool*; and most recently a consultant on Macmillan/McGraw-Hill's *Math Connects* elementary mathematics program

## Susan B. Empson, Ph.D.

Consultant for Cognitively Guided Instruction (CGI); Associate Professor of Curriculum and Instruction in Mathematics and Science Education at the University of Texas in Austin, Texas

- Research on the Cognitively Guided Instruction project supported by the National Science Foundation and the Spencer Foundation

**Areas of Expertise** Socio-cognitive theories of learning; Elementary children's mathematics thinking; and Cognitively Guided Instruction (CGI)

**Publications** Numerous articles in journals such as *Cognition and Instruction*, *Journal for Research in Mathematics Education*, *Teaching for Mathematics Teacher Education*; and most recently a consultant on Macmillan/McGraw-Hill's *Math Connects* elementary mathematics program

You can find a professional development article by Dr. Empson in your *Teacher Resource Handbook* on pages TR40–TR41. The article is entitled, "What Does a CGI Classroom Look Like?"

## Douglas Fisher, Ph.D.

Consultant for Graphic Novels and Considerate Text; Professor of Language and Literacy Education in the Department of Teacher Education; San Diego State University

- Author on Macmillan/McGraw-Hill *Treasures* reading program and Consultant on Macmillan/McGraw-Hill's elementary Science, Social Studies, and Mathematics programs
- Co-Director for the Center for the Advancement of Reading at the California State University Chancellor's office
- Past Director of Professional Development for the city Heights Educational Collaborative
- Recipient of an International Reading Association (IRA) Celebrate Literacy Award; the Farmer Award for excellence in writing from NCTE; and the Christa McAuliffe Award for excellence in teacher education
- California Reading Association Hall of Fame member

- Former Early Intervention Specialist and Language Development Specialist
- Former high school English, writing, and literacy teacher

**Areas of Expertise** Reading and Literacy; Considerate text/curriculum design; Intervention; Language development, Struggling readers, English Language Learners, Literacy coaching, and Differentiated instruction

**Publications** Author of numerous educational publications and articles; most recently *Learning Words Inside & Out* and *Word Wise and Content Rich*; Macmillan/McGraw-Hill's *Treasures* elementary reading program, as well as a consultant on Macmillan/McGraw-Hill's *Math Connects* elementary mathematics program

You can find a professional development article by Dr. Fisher in your *Teacher Resource Handbook* on pages TR14–TR15. The article is entitled, "Graphic Novels in Education".

## Paul Giganti, Jr.

Consultant for Family Involvement; Children's Author; Director/Coordinator of the Math Festival Program for the California Math Council; Albany, California

- Former classroom teacher
- Teacher of teachers at the University of California at Berkeley and California State University at Hayward

**Areas of Expertise** Professional development specialist; Family involvement; and Children's literature  
Publications: numerous children's books, which include

*Each Orange Had 8 Slices*, *Notorious Numbers*, *How Many Snails*, and *Counting Many Ways*; most recently a consultant on Macmillan/McGraw-Hill's *Math Connects* elementary mathematics program

You can find a professional development article by Paul in your *Teacher Resource Handbook* on pages TR44–TR45. The article is entitled, "The Role of Parents and Guardians in Young Children Learning Mathematics".

## Kathryn Heinze

Consultant for English Language Learners; associate Professor, Second Language Teaching and Learning in the Graduate School of Education at Hamline University in St. Paul, Minnesota

- More than 30 years experience in English as a second language—as a teacher, curriculum development, and teacher educator
- Former Director of Southeast Asian Student Program at Concordia College in St. Paul, Minnesota

**Area of Expertise** English Language Learners; Language development; and Making mathematics instruction more accessible to English Learners

**Publications** A consultant on Macmillan/McGraw-Hill's *Math Connects* elementary mathematics program

You can find a professional development article by Kathryn in your *Teacher Resource Handbook* on pages TR32–TR33. The article is entitled, "English Learners and Mathematics: Best Practices for Effective Instruction".

## Consultants (continued)

### Gladis Kersaint, Ph.D.

Consultant for English Language Learners and NGSSS; Associate Professor of Mathematics Education, K–12 in the Department of Secondary Education, College of Education at the University of South Florida in Tampa, Florida

- Member of the Executive Team and Principal Investigator for PROMISE (Partnership to Rejuvenate & Optimize Mathematics and Science Education)
- Senior Research Associate at the David Anchin Center
- Coordinator for the doctoral program in mathematics education
- Former math teacher with the Miami-Dade County Public School
- Member of Executive Board of *Teaching Children Mathematics*
- Frequent presenter at NCTM, AMTE, NCSM, AERA, and FCTM
- Member-at-large of Board of the Association of Mathematics Teacher Educators

- Past President of Florida Association of Mathematics Teaching Educators
- Served as a writer for the NGSSS

**Areas of Expertise** English Language Learners; Learning and teaching with technology; Access and equity for all; Pre- and in-service; and Understanding the NGSSS

**Publications** Author on numerous articles found in *Early Childhood Elementary Journal*, *Journal of Research and Development in Education*, *Journal of School Leadership*, *Teaching Children Mathematics*; most recently as an author on Glencoe/McGraw-Hill's *Math Connects*, 6–8 and as a consultant on Macmillan/McGraw-Hill's *Math Connects* elementary mathematics program

You can find a professional development article by Dr. Kersaint in your *Teacher Resource Handbook* on pages TR34–TR35. The article is entitled, “Engaging English Language Learners in Your Classroom”.

### Carol Newman

Consultant for Math Content, specifically NGSSS; Retired Mathematics Curriculum Specialist K-5 from Broward County School; Ft. Lauderdale, Florida

- Former classroom teacher, Mathematics Supervisor, and Mathematics Curriculum Specialist in the Broward County Schools
- Consultant for *Math Always!*
- Received the Educator of the Year Award from the Florida Council of Teachers of Mathematics (FCTM)

- Past Regional Director for both NCSM and NCTM
- Past President of FCSM
- Leadership Director for FCTM

**Areas of Expertise** Florida's Next Generation Sunshine State Standards

**Publications** A consultant on Macmillan/McGraw-Hill's *Math Connects* elementary mathematics program

### David M. Schwartz

Consultant for Children's Literature and Leveled Readers  
Children's Author, Speaker, Storyteller  
Oakland, California

- Frequent present and keynote speaker at national conventions
- Recipient of School Library Journal Best Books of the Year
- Awarded the 2008 SB&F Prize for Excellence in Science Books
- 2008 NSTA/CBC Outstanding Science Book for Children Selectors Choice
- 2007 Booklist Children's Editors' Choice
- 2007 John Burroughs List of Nature Books for Young Readers; Finalist for Cybils Award Children's; and YA Bloggers Literary Award

**Areas of Expertise** Connecting literature and mathematics; and Applying mathematics in science

**Publications** Author of more than 50 children's books, which includes *Millions to Measure*, *How Much is a Million?*, *If You Made a Million*, *G is for Googol*, and *If You Hopped Like a Frog*; and most recently as a consultant on Macmillan/McGraw-Hill's *Math Connects* elementary mathematics program

You can find a professional development article by David in your *Teacher Resource Handbook* on pages TR42–TR43. The article is entitled, “Literature and Mathematics—Making the Connection”. You can learn more about David at [www.davidschwartz.com](http://www.davidschwartz.com).

## Jennifer Taylor-Cox, Ph.D.

Consultant for Differentiated Instruction; Executive Director of Taylor-Cox Instruction, LLC; Educational Consultant; Severna Park, Maryland

- Recipient of the Outstanding Doctoral Research Award from the University of Maryland and the Excellence in Teacher Education Award from Towson University
- Received the Outstanding Math Educator Award from the Maryland Council of Teachers of Mathematics
- Frequent presenter at national conferences such as ASCD
- Serving as the NCTM Annual Conference Volunteers Chair and the NCTM Regional Conference program Chair
- Past-President of MCTM
- Member of NAEYC, ASCD, AERA, Kappa Delta Pi, ACEI, and NSSE

**Area of Expertise** Mathematics education; Differentiated instruction for 3-year-olds through high school; Math intervention; Classroom management/discipline; Educational leadership; Inquiry-based instruction; Assessment; Gifted education; and Creative teaching

**Publications** Author of more than 30 published articles by Heinemann and journals such as *Teaching Children Mathematics*; *The Banneker Banner*; *Lollipops: The magazine for preschool and early childhood educators*; *Challenge: Reaching and Teaching the Gifted Child*; and most recently as a consultant on Macmillan/McGraw-Hill's **Math Connects** PreK–5 elementary mathematics program

You can find a professional development article by Dr. Cox in your *Teacher Resource Handbook* on pages TR30–TR31. The article is entitled, “Differentiating Mathematics Instruction: Real Questions and Honest Answers”.

## Grayson H. Wheatley, Ph.D.

Consultant for Math Content; Emeritus Professor of Mathematics Education at Florida State University in Tallahassee, Florida

- Professor of Mathematics and Education for more than 20 years at Purdue
- Directed the School Mathematics and Science Center
- Internationally known for research in mathematics education, specifically in the field of Geometry

**Area of Expertise** Geometry

**Publications** Author of more than 100 journal articles and books; and most recently as a consultant on Macmillan/McGraw-Hill's **Math Connects** elementary mathematics program

You can find a professional development article by Dr. Wheatley in your *Teacher Resource Handbook* on pages TR26–TR27. The article is entitled, “Geometric Knowledge in the Elementary School”.

# Professional Development Contributors

Many professionals have provided their expertise to online video clips and/or articles that can be found online or in the *Teacher Resource Handbook*. Besides the Authors and Consultants, the professionals listed below have contributed to our professional development offerings.

## Jana Echevarria, Ph.D.

Professional Development; Professor Emeritus of Education at California State University in Long Beach

- ELL Consultant for Glencoe/McGraw-Hill's middle school mathematics programs
- Co-Principal Investigator with the Center for Research on the Educational Achievement and Teaching of English Language Learners (CREATE)
- Experience in teaching elementary and secondary students; special education; English as a Second Language; and bilingual programs
- Received the Outstanding Professor Award for California State University in Long Beach

**Area of Expertise** ELL; special education; and bilingual education

**Publications** Author of numerous journal articles and books including *Making Content Comprehensible for English Learners: The SIOP Model*; *Sheltered Content Instruction: Teaching Students With Diverse Abilities*; *99 Ideas and Activities for Teaching English Learners With the SIOP Model*; and *Implementing the SIOP Model Through Effective Professional Development and Coaching*; and most recently as a professional development consultant on Macmillan/McGraw-Hill's **Math Connects** elementary mathematics program

## Marilyn Fetter

Professional Development

- Former classroom teacher for more than 25 years
- Currently a consultant for teacher in-service and professional development

**Area of Expertise** Professional development; and Teacher in-service

**Publications** A professional development consultant on Macmillan/McGraw-Hill's **Math Connects** elementary mathematics program

## Brad Fulton

Professional Development

- Awarded the California League of Middle Schools Educator of the Year award
- Presenter at National conferences such as NCTM
- Trainer for summer teacher training institutes
- Trainer/consultant for national workshops

**Area of Expertise** Motivating and engaging teachers through in-service

**Publications** Author of more than a dozen books that provide mathematics activities for busy teachers; 15 teacher training manuals full of activities and ideas to make mathematics both meaningful and powerful; and most recently as a professional development consultant on Macmillan/McGraw-Hill's **Math Connects** elementary mathematics program

## Ellen Hatley

Professional Development; District Instructional Support Teacher of Elementary Mathematics in Austin, Texas

- 20 years of experience as a classroom teacher
- Presenter at NCTM
- Provider of Staff development
- Curriculum writer

**Area of Expertise** Classroom management; Child development; and Staff development

You can find a professional development article by Ellen in your *Teacher Resource Handbook* on pages TR6–TR7. The article is entitled, “So You’re Teaching Second Grade”.

## Donna Kopenski, Ed. D.

Professional Development; Mathematics Coordinator for the City Heights Educational Collaborative ; San Diego, CA

- 40 years experience teaching from grade 3 to adult

**Area of Expertise** Classroom management; and Child development

You can find a professional development article by Dr. Kopenski in your *Teacher Resource Handbook* on pages TR10–TR11. The article is entitled, “So You’re Teaching Fourth Grade”.

**PD** indicates that a professional development video clip is available at [macmillanmh.com](http://macmillanmh.com).