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# Thought Leadership

Grades K–8

California Reveal  
**MATH**<sup>®</sup>

# California Reveal Math<sup>®</sup> Authorship

We teamed up with expert authors from the world of mathematics to create a curriculum guided by validated academic research and classroom best practices and centered around the student to ensure all learners can find joy and understanding in becoming doers of math. Their guidance elevates the *California Reveal Math* curriculum and drives forward our philosophy that every student is a math person.



## **Sarah Bush, Ph.D. – Equitable Teaching and Cultural Relevance**

Expert on equitable teaching and cultural relevance in mathematics, and advocate for a whole-school approach to collaborative and cohesive high-quality math instruction. Former middle school mathematics teacher who now teaches graduate courses in mathematics education.

- Professor of K–12 STEM Education at the University of Central Florida (UCF)
- Program Coordinator, Mathematics Education Track of the Ph.D. in Education—UCF
- Lockheed Martin Eminent Scholar Chair—UCF
- Director of the Lockheed Martin/UCF Mathematics and Science Academy
- NCTM Board of Directors, 2019–2022



## **Ralph Connelly, Ph.D. – Home-to-School Connections**

Authority on the development of early mathematical understanding. Proponent of strong home-to-school connections and varied assessment techniques to ensure focus on the Standards for Mathematical Practice.

- Professor and Professor Emeritus, Faculty of Education, Brock University, 1977–present
- NCTM Mathematics Education Trust Board, 2016–2019 (Chair 2019)
- NCTM Teaching Children Mathematics Editorial Panel, 2013–2016
- NCSM Board of Directors, 1994–1996 and 2005–2008



## **Annie Fetter – Mathematical Curiosity**

Advocate for leveraging students' ideas, mathematical curiosity, and sense-making to foster engagement, conceptual understanding, and strong problem solvers. Author of *California Reveal Math* Be Curious Sense-Making Routines.

- Founding member, The Math Forum, 1992–2017
- Math Education Specialist at the 21st Century Partnership for STEM Education



### **Linda Gojak, M.Ed. – Rich Tasks**

Expert in both theory and practice of strong mathematics instruction. Proponent of reflective teaching, rich tasks, and making math accessible for all students.

- NCSM President, 2005–2007
- NCTM President, 2012–2014
- NCTM Board of Directors, 1996–1999

### **Sharon Griffin, Ph.D. – Number Sense**

Champion for number sense and the achievement of all students.

- Professor Emerita of Education and Psychology at Clark University
- Author of *Number Worlds*<sup>®</sup>: a PreK–8 prevention-intervention mathematics curriculum
- Member of the Education Directorate of the Organization of Economic Collaboration and Development, (2002–2007)
- Advisory Board for *Mind, Brain, and Education* journal, Basil Blackwell (2006–2012)



### **Ruth Harbin Miles, Ed.S. – Teacher Education**

Leader in developing teachers' math content and strategy knowledge.

- Former K–12 Coordinator, Mathematics Teaching and Learning Program, Olathe, Kansas Public Schools (25+ years)
- NCTM Board of Directors, 2013–2016
- University of Texas, Dana Center International Fellow Presenter, 2014–2017



### **Christa Jackson, Ph.D. – Diverse Cultural Perspectives**

Advocate for diverse cultural perspectives in mathematics education. Proponent of strong STEM education with a mission to transform the STEM community through developing STEM literacy, STEM identities, and STEM sense of belonging. Former elementary and middle school mathematics and science teacher.

- Professor of Mathematics, Science, and STEM Education, Saint Louis University
- Founder and Director, Institute for STEM Collaboration, Outreach, Research, and Education (iSCORE)
- NCTM Representative, U.S. National Commission on Mathematics Instruction
- President of the School Science and Mathematics Association, 2020–2022
- Editor of the *Powerful Mathematicians Who Changed the World* children's book series



### **Susie Katt, M.Ed. – Equity and Access**

Advocate for high-quality supports for students and teachers, promoting the ideals of equity, access, and mathematical success for all—yet uniquely attuned to the needs of our youngest mathematicians. Expert on productive math struggle and fostering perseverance in early learners.

- K–2 Mathematics Coordinator, Lincoln Public Schools, Lincoln, Nebraska
- Robert Noyce National Science Foundation Master Teaching Fellowship, University of Nebraska–Lincoln, 2012–2016
- Chair, editorial panel, NCTM’s Teaching Children Mathematics
- Former K–2 mathematics teacher leader, math interventionist, and classroom teacher



### **Nicki Newton, Ed.D. – Engagement**

Expert in building powerful thinking mathematicians through developing rich tasks and engagement and bringing student-focused strategies into the classroom. Authority on guided math, workstations, math games and activities. Former bilingual teacher and staff developer in California for ten years, bringing an extensive background in sheltered instruction and multilingual learner strategies.

- Ed.M. and an Ed.D. from the Department of Curriculum and Teaching at Teachers College, Columbia University, specializing in teacher education and curriculum development
- Former Graduate Instructor, Columbia, CUNY, MCNY, Mercy College, Cambridge College
- Founder and developer of Math Online PD Academy



### **Georgina Rivera, M.Ed. – Supporting Multilingual Learners**

Authority in building student agency through culturally responsive teaching and supporting multilingual learners—drawing on her own experience growing up as a multilingual learner. Former educator and teacher leader with a passion for student well-being, commitment to equity, and deep knowledge of high-quality instructional practices for elementary school students.

- Principal of a PreK–5 school, West Hartford, Connecticut
- Former Mathematics Supervisor, coach, and teacher for 23 years
- NCSM Vice President, 2021–2023 and Professional Learning Director, 2019–2021



### **George Roy, Ph.D. – Positive Mathematical Identity**

Champion for integrating and examining the use of technology in mathematics classrooms to support student learning. Proponent of employing tasks that promote mathematical reasoning to challenge students to investigate, explore, and discover mathematics in meaningful ways, develop deep mathematical understanding, and build positive mathematical identity.

- Associate Professor, University of South Carolina
- Former middle school math teacher (eight years)
- National Board of Professional Teaching Standards certification in Early Adolescence Mathematics
- Member of the middle school author team for NCTM's policy book, *Catalyzing Change in Middle School Mathematics: Initiating Critical Conversations*



### **John SanGiovanni, M.Ed. – Mathematical Practices**

Leader in understanding the mathematics needs of students and teachers. Proponent of fostering positive student identity, agency, and community in math. Expert on math fluency, number sense, productive struggle, mathematical practices and habits of mind, teaching problem-solving, and professional development to improve teacher efficacy. Author of *California Reveal Math*® Number Routines and Data Talks.

- Coordinator of Elementary Mathematics, Howard County, Maryland
- NCSM Board of Directors, 2020–2023
- Instructional Leader program, McDaniel College
- NCTM Board of Directors, 2015–2018
- Coauthor of the best-selling *Putting Practices Into Action* and *Mastering the Basic Math Facts* series



### **Cathy Seeley, Ed.D. – Student-Centered Classroom**

National leader for the improvement of mathematics teaching, learning, and assessment and facilitator of high-quality mathematics education. Expert on developing mathematical thinking and problem solvers through classroom discourse, putting Effective Teaching Practices in action, building student confidence, fostering a math-positive culture, and transitioning to a student-centered classroom.

- President of NCTM, 2004–2006
- Chair, Committee on Guidelines for Developing Curriculum Programs in Mathematics and Science for the National Research Council, 1998–1999
- Former Senior Fellow at the Charles A. Dana Center at The University of Texas at Austin
- Director of Mathematics for the state of Texas (Texas Education Agency), 1983–1991
- Former middle and high school mathematics educator and supervisor (30 years)



### **Raj Shah, Ph.D. – Inquiry and Productive Struggle**

Expert in both theory and practice of strong mathematics instruction with a mission to invoke wonder and joy for all math learners. Champion of perseverant problem solvers, curiosity in mathematics, inquiry, rich tasks, productive struggle, and promoting meaningful mathematics discussions. Author of the *California Reveal Math*® Ignite! activities and authority on parent support for a math-at-home connection.

- Founder, Math Plus Academy, an after-school STEM enrichment program for students ages 5–14
- Affiliate, Math Teacher Circles and the Julia Robinson Math Festival
- Founding member, The Global Math Project



### **Jeff Shih, Ph.D. – Student Achievement**

Advocate for the importance of student knowledge and published researcher focused on the effect of curriculum on student achievement and postsecondary access and success.

- Instructor and Professor, University of Nevada, Las Vegas Mathematics Education, 1999–present
- Research Associate of the NSF-funded Center for the Study of Mathematics Curriculum
- NCTM Board of Directors, 2018–present
- Coordinator, Nevada Collaborative Teaching Improvement Program
- Co-Director, Center for Mathematics, Science and Engineering Education, 2013–present



### Cheryl Tobey, M.Ed. – **Formative Assessment**

Facilitator of strategies that drive informed mathematics instructional decisions and specialist on differentiated professional development to build mathematics knowledge for teaching struggling students. Expert on identifying student misconceptions and developing learning targets to help define formative assessment. Author of Math Probes formative assessment activities in *California Reveal Math*.

- State Elementary Mathematics Specialist, Maine Department of Education
- Professional Development Specialist, Education Development Center and Maine Mathematics and Science Alliance
- Coauthor of 12 books on formative assessment



### Dinah Zike, M.Ed. – **Visual-Kinesthetic Learning**

Expert in visual-kinesthetic learning tools, math games and activities, teaching students with learning disabilities, and professional development. Inventor of hundreds of educational manipulatives and graphic organizers used internationally by educators, trainers, and consultants. Creator of *California Reveal Math Foldables*®.

- Founder of Dinah Zike Academy, an accredited professional development center for K–12 teachers
- Developer of over 200 supplemental educational books and associated materials used in schools and homes around the world



Follow *California Reveal Math* authors on our McGraw Hill *Inspired Ideas* blog for resources, ideas, and stories for TK–12 math educators. We focus on educational equity and evidence-based teaching strategies.

Join the conversations at [medium.com/inspired-ideas-prek-12](https://medium.com/inspired-ideas-prek-12)