

## Development of Materials

*Reveal Algebra 1*, *Reveal Geometry*, and *Reveal Algebra 2* courses are part of the *Reveal Math* K-12 series based on research into effective mathematics education and instruction. During the program's development, multiple Teacher Advisory Boards and field tests were conducted to ensure this new curriculum meets the needs of educators and students nationwide. *Reveal Algebra 1*, *Reveal Geometry*, and *Reveal Algebra 2* are based on proven classroom practices and research from our expert advisory team, including respected math experts Cathy Seeley, Ed.D., Raj Shah, Ph.D., and Cheryl Tobey, M.Ed., as well as current academic research synthesized by McGraw-Hill's Learning Scientists. The evolving field of educational research drove the approach of *Reveal Math*. Our team was inspired by esteemed publications such as *Principles to Actions* (NCTM), *Mathematical Mindsets* (Jo Boaler), and *Making Sense of Math* (Cathy Seeley), as well as learning models including Bloom's Taxonomy and Webb's Depth of Knowledge Guide. Development also included a thorough understanding and integration of the NCTM's Effective Mathematics Teaching Practices and an independent review judged the program as meeting 100% of the WIDA standards. This solid foundation of academic research and direct feedback from hundreds of educators ensures that courses in the *Reveal Math* are at the forefront in mathematics learning and instruction.

The *Reveal Math* instructional model is based on the latest research into how students learn best, through:

- Rich tasks
- Productive struggle
- Mathematical discourse
- Collaborative learning

The expert advisor team behind *Reveal Math* includes leaders at the forefront of mathematics education, including:

- Dr. Cathy Seeley: Mathematics educator, speaker, and writer, former Senior Fellow at the Charles A. Dana Center at The University of Texas at Austin, past President of NCTM, former Director of K-12 Mathematics for the State of Texas
- Cheryl Tobey, M.Ed.: Senior Mathematics Associate at Education Development Center (EDC)
- Dr. Raj Shah: Founder of Math Plus Academy, a STEM enrichment program and founding member of The Global Math Project
- Dr. Walter Secada: Professor of Teaching and Learning at the University of Miami
- Dinah Zike, M.Ed.: President of Dinah.com in San Antonio, Texas and Dinah Zike Academy

### **Efficacy**

Based on the program's rich research base and extensive classroom testing, it is evident that *Reveal Math* meets the recommendations for ESSA evidence Tier 4 (also known as "Demonstrates a Rationale"). With its high-quality research base and expert advisory panel, *Reveal Math* is likely to improve student outcomes. Although long-term efficacy data is not yet available, an efficacy study in a large urban midwestern school district is underway, and efforts to secure additional study sites are underway, with the intention of supporting *Reveal Math* with Tier 1, 2, or 3 evidence in the future. As a program with Tier 4 evidence, *Reveal Math* meets the requirements for being an evidence-based educational program.

### **Implementation Services**

McGraw-Hill is committed to assisting teachers, administrators, and district leaders achieve their curriculum goals. Our comprehensive Professional Development offers workshops and interactive training sessions that address research-based practices and strategies to meet the needs of supervisors and classroom teachers. We have a cadre of meetings, in-service workshops, and online courses demonstrating McGraw-Hill's commitment to professional development. McGraw-Hill offers a broad range of offerings to help educators maintain high levels of success with the program, as well as to help foster ongoing professional growth and development of district teachers and administrators.