Strong Mathematics Research Base

The Ready® Mathematics program was built from the ground up to be true to the details and intent of the Common Core. The editorial team behind the program spent countless hours with Common Core publications, scholarly articles about the Common Core, and renowned mathematics publications to fully understand the standards and how to best prepare students for them.

Scholarly Articles and Journals

20 Ways to Teach Mathematics: Strategies to Reach All Students
Intervention in School and Clinic
by Joseph Furner, Noorchaya Yahya, and Mary Lou Duffy

A Coherent Curriculum
American Educator
by William Schmidt, Richard Houang, Leland Cogan

Math Instruction for English Language Learners
http://www.colorincolorado.org/article/30570/
by Kristina Robertson

Moving Learners Toward Independence: The Power of Scaffolded Instruction
The Reading Teacher
by P. Beed, E. Hawkins, C. Roller

Predicting First Graders’ Development of Calculation Versus Word-problem Performance: The Role of Dynamic Assessment
Journal of Educational Psychology
by Pamela Seethaler, Lynn Fuchs, Douglas Fuchs, Donald Compton

Reaching for Common Ground in K–12 Mathematics Education
Notices of the American Mathematical Society
by Deborah Ball, Joan Ferrini-Mundy, Jeremy Kilpatrick, R. James Milgram, Wilfried Schmid, and Richard Schaar

The Effects of a Concrete, Representational, Abstract (CRA) Instructional Model on Tier 2 First-grade Math Students in a Response to Intervention Model: Educational Implications for Number Sense and Computational Fluency
Dissertation, ProQuest Information & Learning, AAI3408708,
by Julie Eastburn

Common Core Publications

Common Core State Standards for Mathematics, including Appendix A
National Governors Association Center for Best Practices and Council of Chief State School Officers

Publishers’ Criteria for the Common Core State Standards in Mathematics, Grades K–8 Partnership for Assessment of Readiness for College and Careers Partnership for Assessment of Readiness for College and Careers (PARCC)

PARCC Model Content Frameworks: Mathematics Grades 3–11
Partnership for Assessment of Readiness for College and Careers (PARCC)

Other Professional Publications

Differentiated Instruction and Implications for UDL Implementation
National Center on Accessing the General Curriculum
by Tracey Hall, Nicole Strangman, and Anne Meyer

Organizing Instruction and Study to Improve Student Learning
National Center for Education Research, Institute of Education Sciences
by Harold Pashler, Patricia Bain, Brian Botto, Arthur Graesser, Kenneth Koedinger, Mark McDaniel, and Janet Metcalfe

What exactly do “fewer, clearer, and higher standards” really look like in the classroom? Using a cognitive rigor matrix to analyze curriculum, plan lessons, and implement assessments
National Center for the Improvement of Educational Assessment
by Karin Hess, Dennis Carlock, Ben Jones, and John Walkup

Effective Strategies for Teaching Students with Difficulties in Mathematics, teaching mathematics English language learners
National Council of Teachers of Mathematics

Foundations for Success: The final report of the National Mathematics Advisory Panel
National Mathematics Advisory Panel

Adding It Up: Helping Children Learn Mathematics
Mathematics Learning Study Committee
by Jeremy Kilpatrick, Jane Swafford, and Bradford Findell