

Top Five Ways Accelerated Math Helps You Meet the National Math Panel's New Recommendations

The National Math Panel's report describes Accelerated Math as a "mathematics program with assessment of skill level, tailoring of the instruction to match skill level, individual pacing and goal setting, ample practice, and immediate feedback to student and teacher on performance."¹ The following are five of the ways that Accelerated Math can help you meet the recommendations of the National Math Panel:



1 Curricular Content

National Math Panel

“A focused, coherent progression of mathematics learning, with an emphasis on proficiency with key topics, should become the norm in elementary and middle school mathematics curricula. Any approach that continually revisits topics year after year without closure is to be avoided.”

Accelerated Math

Accelerated Math (Second Edition) content is built upon the set of core objectives and learning progressions that students need to achieve proficiency in mathematics. Students progress through grade-level libraries by mastering objectives. After a current objective is mastered, students continually move forward.

To ensure Accelerated Math Second Edition content meets today's highest standards for mathematics content, Renaissance Learning™ consulted mathematics educators, mathematicians, university researchers, NCTM Curriculum Focal Points, the National Math Panel report, and international and state standards.

2 Learning Processes: Practice

National Math Panel

“Computational proficiency with whole number operations is dependent on sufficient and appropriate practice...fluency with the standard algorithms...[and] a solid understanding of core concepts...”

“Few curricula in the United States provide sufficient practice...”

Accelerated Math

As the critical practice component of any curriculum, Accelerated Math provides sufficient and appropriate practice essential to develop conceptual understanding, computational proficiency, and problem-solving skills. Individualized practice sheets maximize student effort and complement core instructional programs. Accelerated Math automatically scores all assignments and provides ongoing feedback on students' daily practice.

¹ National Mathematics Advisory Panel. (2008). Foundations for success: Chapter 6 - Report of the task group on instructional practices. Washington, DC: U.S. Department of Education. Retrieved June 18, 2008, from <http://www.ed.gov/about/bdscomm/list/mathpanel/report/instructional-practices.pdf>

3 Learning Processes: Effort

National Math Panel

“...changing children’s beliefs from a focus on ability to a focus on effort increases their engagement in mathematics learning, which in turn improves mathematics outcomes....”

“Teachers and other educational leaders should consistently help students and parents to understand that an increased emphasis on the importance of effort is related to improved mathematics performance.”

Accelerated Math

As they use Accelerated Math, students see that their efforts lead to mathematics proficiency. Accelerated Math tailors assignments to each student’s level, limiting frustration, and inspiring continual advancement in mathematics performance.

Accelerated Math’s Home Connect™ links the school and home to make math practice even more effective. By logging on from a home computer, students and parents can print and score assignments, and monitor progress toward math goals.

4 Instructional Processes: Formative Assessment

National Math Panel

“Teachers’ regular use of formative assessment improves their students’ learning....”

“...the Panel recommends regular use of formative assessment for students in the elementary grades.”

Accelerated Math

According to the U.S. Department of Education’s National Center on Student Progress Monitoring, Accelerated Math is a reliable and valid progress-monitoring tool. Accelerated Math provides formative assessment data on mathematics concepts mastered, as well as objectives requiring additional work. Automated reports provide immediate and specific feedback at the student level and class level, helping teachers differentiate instruction to address individual and group needs.

5 Instructional Processes: Differentiated Instruction

National Math Panel

“The Panel recommends...provid(ing) tools that inform teachers about specific ways of using formative assessment information to provide differentiated instruction.”

“Explicit instruction, including extensive practice with feedback, can improve struggling students’ math performance.”

Accelerated Math

Accelerated Math provides tools for teachers to closely monitor individual student progress, differentiate instruction accordingly, and verify results.

Class and student reports allow for early detection of struggling or academically gifted students. Diagnostic tests allow teachers to check for weak areas or to advance a student through objectives quickly. Because Accelerated Math software immediately scores math assignments, students are motivated to spend more time practicing and working ahead.

For more information on the many benefits of Accelerated Math,
call (800) 338-4204 today!

