



## KENDALL/HUNT PUBLISHING COMPANY

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### **Math Trailblazers Third Edition Now Available**

*Kendall/Hunt Publishing and TIMS release new edition featuring reorganized, full-color teacher materials.*

DUBUQUE, IA. – The new third edition of *Math Trailblazers* is now available!

*Math Trailblazers* is a complete, research-based, National Science Foundation (NSF)-funded K-5 mathematics program integrating math, science and language arts.

Problem solving is the defining characteristic of *Math Trailblazers*. It embodies the principle that mathematics is best learned through active involvement in solving real problems. The balanced approach of *Math Trailblazers* ensures that students become powerful mathematical thinkers, understanding when and how to use varied computational methods to solve problems.

Highlights of the new edition include a new teacher-friendly, full-color format for the Unit Resource Guides, identified opportunities for differentiation, and an administrator handbook.

The teacher materials were reorganized based on market research and feedback from *Math Trailblazers* users. Components needed for a lesson are easily accessible and at point-of-use.

New four-color design graphically organizes unit and lesson information to more easily understand content and more quickly prepare for lessons. Color-coded heads in the Unit Planner and lessons help identify the location of math facts, homework, assessments, and Daily Practice and Problems. Reduced student pages are also in four color.

New to the Unit Resource Guides as well as the Teacher Implementation Guide are sections identifying opportunities for differentiation within the program. These additions, along with the integrated differentiation built into *Math Trailblazers*, provide the teacher with multiple ways to reach all students.

The third edition represents more than 20 years of research and collaboration with educators from around the country. The authors of *Math Trailblazers*, the Teaching Integrated Mathematics and Science (TIMS) Project at the University of Illinois at Chicago, first developed and implemented a series of quantitative, hands-on activities called “TIMS Laboratory Investigations.”

The NSF supported the TIMS Project in the development of a comprehensive elementary Standards-based mathematics program, *Math Trailblazers*, after several studies indicated TIMS Investigations were effective in increasing student understanding of math and science concepts. With each new edition, the authors incorporate teacher feedback and the latest research in mathematics learning.

The integration of science in *Math Trailblazers* engages children's natural curiosity while introducing to them effective problem-solving tools. Language Arts is represented in *Math Trailblazers* in many forms, through reading, writing and the mathematical discourse encouraged to promote mathematical understanding.

The word "balance" references many things in this program, according to Molony. In addition to the balance between conceptual understanding and procedural skill, *Math Trailblazers* provides for a balance between the types of activities, formative and summative assessment, and class instruction.

"The careful balance in *Math Trailblazers* allows teachers to move forward with a standards-based curriculum while maintaining the strengths of their current teaching practices," according to Editorial Development manager Lynn Molony. "Being comfortable and confident in the classroom makes all the difference."

The new Administrator handbook focuses on supporting the administrator of a school or district implementing *Math Trailblazers*.

For more information, contact 800-542-6657 to talk to a Kendall/Hunt representative nearest you.

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