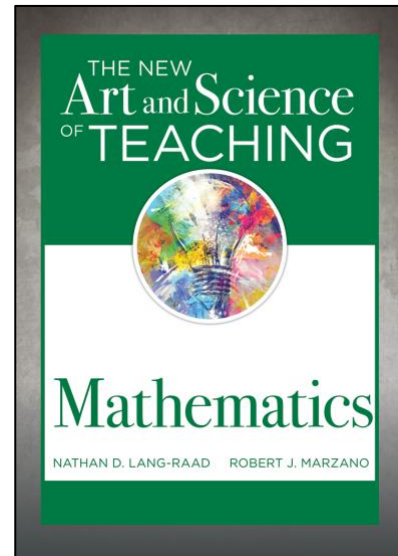


The New Art and Science of Teaching Mathematics, Revised Edition

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Date Available: May 2019
ISBN: 978 176056 540 4
Code/SKU: SOT5404
RRP: \$42.95
Format/Page No.: A4, 150 pages
Year Level: Teachers and Administrators
Focus Area: Classroom Practice and
Direct Instruction,
Professional Development

Key Learning Area: Cross-Curricular,
Mathematics
Supplemental Resource: Download reproducible
resources at go.hbe.com.au



Summary

In *The New Art and Science of Teaching Mathematics*, authors Nathan D. Lang-Raad and Robert J. Marzano explore how teachers can apply *The New Art and Science of Teaching* framework to teaching mathematics. This comprehensive book offers over one hundred detailed strategies for and examples of implementation. Throughout the book, the authors address the following design areas within three categories of teaching: (1) feedback, (2) content and (3) context.

1. Within the category of *feedback*, teachers will learn mathematics-specific strategies for:
 - providing and communicating clear learning goals
 - using assessments.
2. Within the category of *content*, teachers will learn mathematics-specific strategies for:
 - conducting direct instruction lessons
 - conducting practising and deepening lessons
 - conducting knowledge application lessons
 - conducting all types of lessons.
3. Within the category of *context*, teachers will learn mathematics-specific strategies for:
 - engaging students
 - implementing rules and procedures
 - building relationships
 - communicating high expectations
 - developing expertise.

Each chapter includes self-rating scales teachers can use to assess their performance and determine areas of strength and improvement. Each chapter ends with guiding questions for curriculum design. This book will help all teachers address the learning outcomes for mathematics necessary for student success.

Other Resources

- *The New Art and Science of Teaching* (SOT2922)
- *The Handbook for the New Art and Science of Teaching* (SOT8733)