



## Teaching the Common Core Math Standards with Hands-On Activities, Grades 6-8

By Judith A. Muschla, Gary Robert Muschla, Erin Muschla



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### Helpful advice for teaching Common Core Math Standards to middle-school students

The new Common Core State Standards for Mathematics have been formulated to provide students with instruction that will help them acquire a thorough knowledge of math at their grade level, which will in turn enable them to move on to higher mathematics with competence and confidence. *Hands-on Activities for Teaching the Common Core Math Standards* is designed to help teachers instruct their students so that they will better understand and apply the skills outlined in the Standards.

This important resource also gives teachers a wealth of tools and activities that can encourage students to think critically, use mathematical reasoning, and employ various problem-solving strategies.

- Filled with activities that will help students gain an understanding of math concepts and skills correlated to the Common Core State Math Standards
- Offers guidance for helping students apply their understanding of math concepts and skills, develop proficiency in calculations, and learn to think abstractly
- Describes ways to get students to collaborate with other students, utilize technology, communicate ideas about math both orally and in writing, and gain an appreciation of the significance of mathematics to real life

This practical and easy-to-use resource will help teachers give students the foundation they need for success in higher mathematics.

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### Editorial Review

From the Back Cover

The Common Core State Standards for Mathematics were developed to help teachers give students a thorough knowledge of math at each grade level, which will in turn enable them to move on to higher mathematics with competence and confidence. *Teaching the Common Core Math Standards with Hands-On Activities* is designed to provide teachers with the information, strategies, and activities they need to instruct their students in all of the standards for Grades 6–8.

*Teaching the Common Core Math Standards with Hands-On Activities* contains

- Over 100 activities correlated to the Common Core State Math Standards
- Guidance for supporting students as they learn to apply their understanding of math concepts and skills, develop proficiency in calculations, and learn to think abstractly
- Methods for encouraging students to collaborate with other students, utilize technology, communicate ideas about math both orally and in writing, and gain an appreciation of the significance of math to real life

This essential resource includes a wealth of tools and activities that will help students learn to think critically, use mathematical reasoning, and employ a variety of problem-solving strategies.

"A must-have for anyone concerned with today's middle school mathematics education. The authors give outstanding, hands-on, and technologically appropriate activities that support the instruction of the CCSS standards."

—**Pat Mower**, associate professor, Department of Mathematics and Statistics, Washburn University, Kansas

"Once again the Muschla writing team has produced a timely, comprehensive, resource book for teachers. Activities provide reinforcement and enrichment of concepts and skills already introduced and developed in the classroom, and the authors skillfully stress oral and written communication among students, along with the use of instructional web sites and real-world applications."

—**Frances M. Thompson**, professor emerita, Texas Woman's University

About the Author

**Judith A. Muschla** has taught mathematics in South River, New Jersey, for over twenty-five years. She has been a member of the state Standards Review Panel for the Mathematics Core Curriculum Content Standards in New Jersey.

**Gary Robert Muschla** taught at Appleby School in Spotswood, New Jersey, for more than twenty-five years. Judith and Gary have coauthored several books, including *The Algebra Teacher's Activities Kit*, *Hands-On Math Projects with Real Life Applications*, *The Math Teacher's Book of Lists*, and *Math Starters*.

**Erin Muschla** teaches 8th grade math and algebra at Monroe Township Middle School in Monroe, New Jersey, and has collaborated with Judith and Gary on three previous math books.

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Standards with Hands-On Activities, Grades 6-8 can to be your friend when you're really feel alone and confuse in doing what must you're doing of the time.

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