

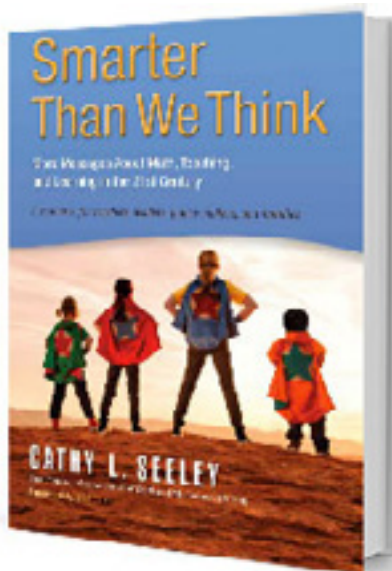
THE CCTM BOOK CLUB

*Smarter Than We Think: More Messages About Math, Teaching, and Learning in the 21st Century

Reviewed by Cassie Gannett & Christy Pruitt, CCTM Regional Representatives

“*Smarter Than We Think: More Messages About Math, Teaching and Learning in the 21st Century*”

by Cathy L. Seeley



IS A VALUABLE resource for teachers, administrators, instructional coaches, and college professors. Don't let the size of this volume frighten you away from this powerful

collection of mathematics education messages. Seeley delivers 40 stimulating messages, each containing opportunities for reflection and focused collaboration, generating energy for a positive difference in learning experiences for today's students. Almost every message throughout the book contains strategies or anecdotes that Seeley has experienced throughout her years as a classroom teacher; as an instructional coach; and as a Peace Corps volunteer. Each message can stand alone so that the reader can pick and choose the topic that most interests them. The book is divided into four different sections: Messages About Who We Teach and How They Learn; Messages About Teachers and Teaching; Messages About Leadership, Issues, and Policy; and Messages About Thinking Mathematically in a Common Core World – Mathematical Practices and More. While the book is divided into these four sections, the messages are still interconnected. As each section is outlined below, the

common theme throughout addresses the needs of the 21st century learner and the changes that teachers need to make to meet those needs.



The first section, “Messages About Who We Teach and How They Learn” encapsulates many of the aspects of teaching a diverse population, as you would expect. The messages in this section include strategies for working with English Language Learners, motivating students, working with varying ability levels, including families in a student's learning, and the impact of conceptions people have about a student's mathematical capabilities. The first message is the same title as the book and focuses on how students view themselves as mathematics learners. Seeley sights the interesting “Washington Post social experiment involving Joshua

and changes in today's evolving mathematics classrooms. For the mathematics education professor or instructional coach, the messages may be used individually in order to highlight an area of focus. Finally, classroom teachers of all grade levels and various experiences can use the approaches, reflection questions, and resources provided in each message to improve their knowledge and practice, either individually or collaboratively. Regardless of the reader's background, the overarching message is to provide opportunities for students to engage in worthwhile problems and rich discussions in order to develop strong mathematical thinkers for the 21st Century.

If you would like to join us for an on-line discussion of this book, please visit us at <http://comath.ning.com/forum/topics/smarter-than-we-think-by-cathy-seeley>

Possible discussion questions, in addition to those provided in each message:

1. As a mathematics educator, which message informs your work the most?
2. Which message motivated you to view mathematics education?
3. Does a particular message provide you with an "aha" moment?

Fast Connections

The Colorado Mathematics Teachers Network is a professional learning community for Colorado mathematics teachers and educators. It is a place where teachers can create Forums and private Groups to discuss all the unique challenges of mathematics education in Colorado. The CCTM Book Club can be accessed here.

Folks can join at: <http://comath.ning.com/>



The screenshot shows the homepage of the Colorado Mathematics Teachers Network. The header features the title "COLORADO MATHEMATICS TEACHERS NETWORK" and the subtitle "A PROFESSIONAL LEARNING COMMUNITY FOR COLORADO MATHEMATICS EDUCATORS". Below the header is a navigation menu with links for MAIN, EVENTS, MEMBERS, GROUPS, FORUMS, and MY NETWORK. The main content area displays a list of groups under the heading "All Groups (7)". Each group entry includes a profile picture, the group name, member count, and latest activity date. For example, "CCTM Conference 2013" has 34 members and latest activity on Oct 14, 2013. On the right side, there is a user profile for "JERRY OVERMYER" with options to Sign Out, Inbox, Alerts, Friends + Invites, and Settings. At the bottom, there is a footer with copyright information: "© 2014. CREATED BY JERRY OVERMYER. POWERED BY NING | MOORE SOCIAL" and links for BADGES, HELP, and TERMS OF SERVICE.