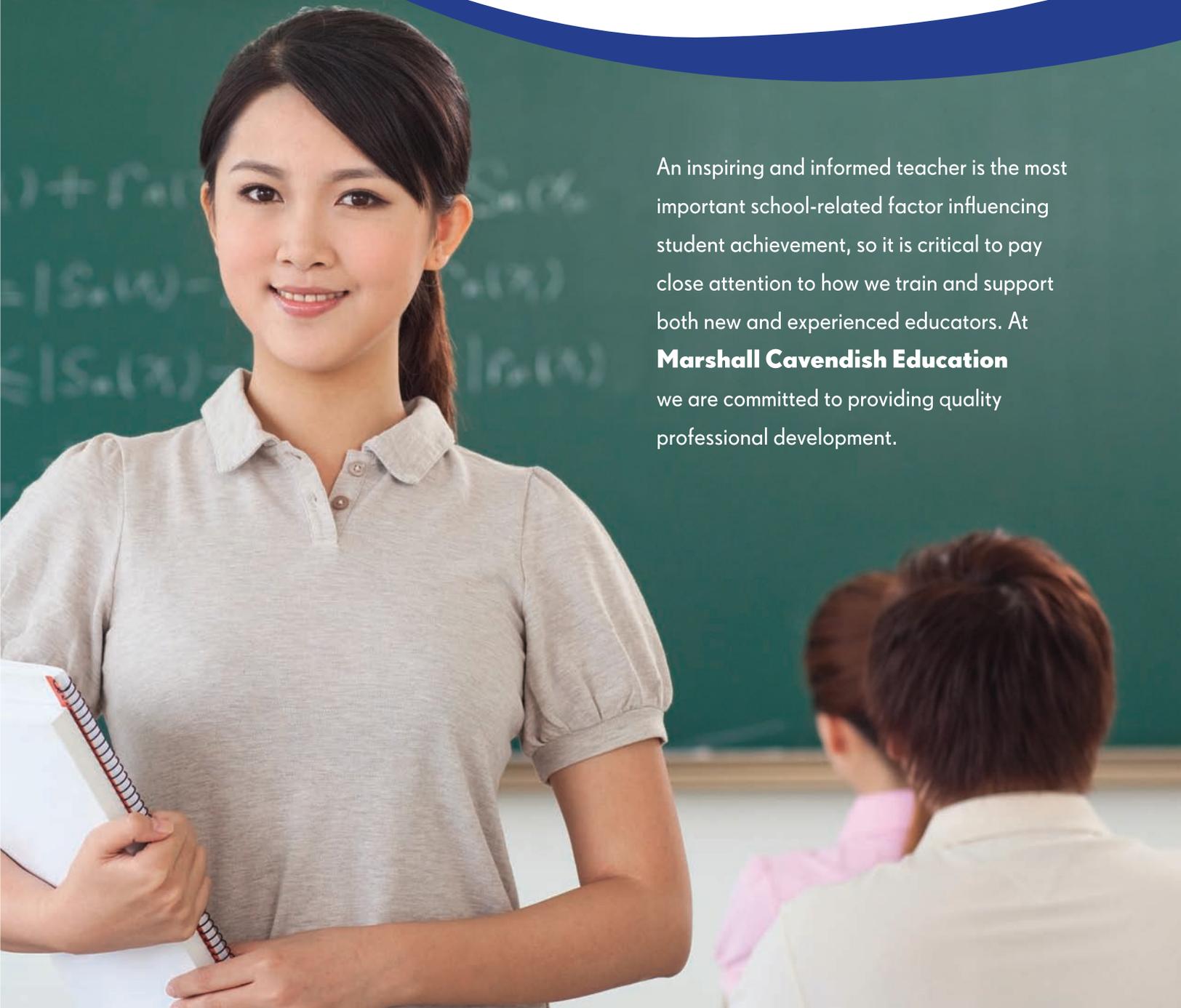


Authentic Singapore Math[®]

PROFESSIONAL DEVELOPMENT



An inspiring and informed teacher is the most important school-related factor influencing student achievement, so it is critical to pay close attention to how we train and support both new and experienced educators. At **Marshall Cavendish Education** we are committed to providing quality professional development.

What Sets Marshall Cavendish Education Professional Development Apart?

At Marshall Cavendish Education (MCE) all professional development courses are prepared in cooperation with the Marshall Cavendish Institute to help educators bring the same success for which students in Singapore are world-renown, into your own classroom. Professional Development topics are based on guidelines and curricula established by the Singapore Ministry of Education and adapted for American schools. Importantly, each plan offers:

- Singapore-trained Trainers
- Proven teaching and learning strategies tailored to K–8 educator, school and district needs by MCE’s staff of experienced professionals
- Alignment with the Common Core State Standards in mathematics
- Methodology that integrates with a broad spectrum of math textbooks
- Instructional quality that reflects MCE’s global reputation for effective results

Since each teacher, school, and district has distinct objectives, Marshall Cavendish Education experts trained in both Singapore and the U.S. will assess educators’ needs and customize the program accordingly. This ensures targeted, high-quality programs that meet the needs of teachers in schools and districts across the country.

“This training should be mandatory for any district teaching Singapore Math® programs.”
—K. Gioldassis, educator

What Sets Singapore Math® Apart?

Two features of Singapore Math® are at the core of its global success; pedagogy and problem solving. Supported by decades of research, the pedagogy consists of a three-part instructional approach; namely the Concrete-Pictorial-Abstract (CPA) Approach. Together, the emphasis on problem solving and the CPA instructional method promote the progression of student learning from early understanding to competency to fluency.

About Marshall Cavendish Education

For nearly 40 years, Marshall Cavendish Education has been a leading academic publisher of K-12 math textbooks, workbooks, and digital curricula, including *Math In Focus*® and *Primary Mathematics*®. Headquartered in Singapore, the company has been on a mission to revitalize math instruction in classrooms worldwide. MCE’s products have been adopted by educators and embraced by students in more than 50 countries, and now, are fundamentally changing mathematics education in the United States. Marshall Cavendish Education’s Singapore Math® Approach, a holistic teaching and learning methodology co-created with Singapore’s Ministry of Education, uses a highly visual and comprehensive instructional approach that turns students into confident and successful problem solvers.

About Marshall Cavendish Institute

As a global teacher professional development institute, the Marshall Cavendish Institute (MCI) has expert academic teams who conduct educational research to develop holistic, research-based education programs. Intended to improve classroom practice, MCI also designs teacher training, in cooperation with the Singapore Ministry of Education, to provide a firm foundation in the fundamentals of mathematics instruction and ensure successful implementation of the Singapore Math® curriculum.

IN-SCHOOL PROFESSIONAL DEVELOPMENT

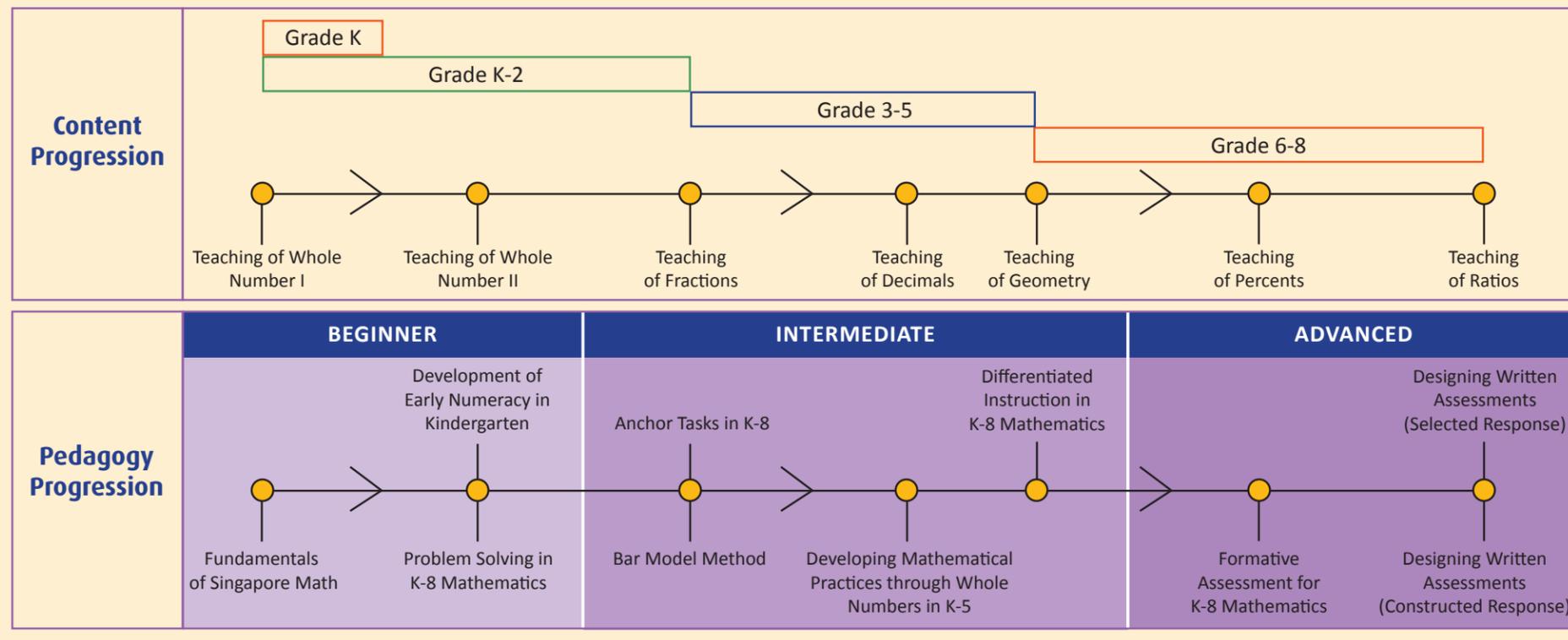
Marshall Cavendish Education (MCE) offers customized Singapore Math® In-School Professional Development for K-8 educators. MCE experts have designed a professional development program containing mathematics content interwoven with Singapore Math® pedagogy that equips teachers with strategies and best practices to provide great teaching for every child, every day.

MCE Professional Development delivers the necessary foundation, consistent support and pivotal guidance for mathematics educators and school leadership, resulting in improved teaching and student success. The MCE difference is a proven approach and a long-term relationship. Just as Singapore Math® follows a learning progression, so does MCE Professional Development and over time creates an environment where educators can continue to develop their skills and their confidence.

Creating A Customized Professional Development Plan

The expert staff at MCE collaborates with the educator to create the Singapore Math® Professional Development Plan to meet the school's needs. Educators will progress through content and pedagogy courses simultaneously. The entry point for Content Progression is by grade, and for Pedagogy Progression the starting point is based on experience level using Singapore Math®.

MCE Professional Development: A Balance of Pedagogy and Content



WANT TO KNOW WHAT A PROGRAM WOULD LOOK LIKE AT YOUR SCHOOL?

To speak with a training professional about customizing a plan that suits your educators' needs and availability, and to find out about pricing, please contact us at 800-821-9881 or customerservice@marshallcavendish.com

PROFESSIONAL DEVELOPMENT INSTITUTES AND WORKSHOPS

Throughout the year, MCE offers Singapore Math® K-8 institutes, workshops and conferences nationwide that are open to all educators to attend. These programs combine math content and Singapore Math® pedagogy for different grades and Singapore Math® experience levels.

Annual Singapore Math® Summer Institute

Each summer, Marshall Cavendish Education, in conjunction with the Marshall Cavendish Institute, assembles world-renowned Singaporean and U.S. speakers for an intensive, hands-on Singapore Math® interactive conference for K-8 educators. With topics as diverse as anchor tasks, assessments, and problem solving, participants learn methodology and best practices to help them improve their teaching techniques and ultimately promote student achievement in math.

Singapore Math® Regional Workshops and Conferences

Marshall Cavendish Education offers 1 and 2 day regional workshops across the U.S. during the school year. These Singapore Math® events are open to the public and accessible for a local audience.

For a current list of upcoming public Professional Development events, please visit our website at www.mceducation.us.

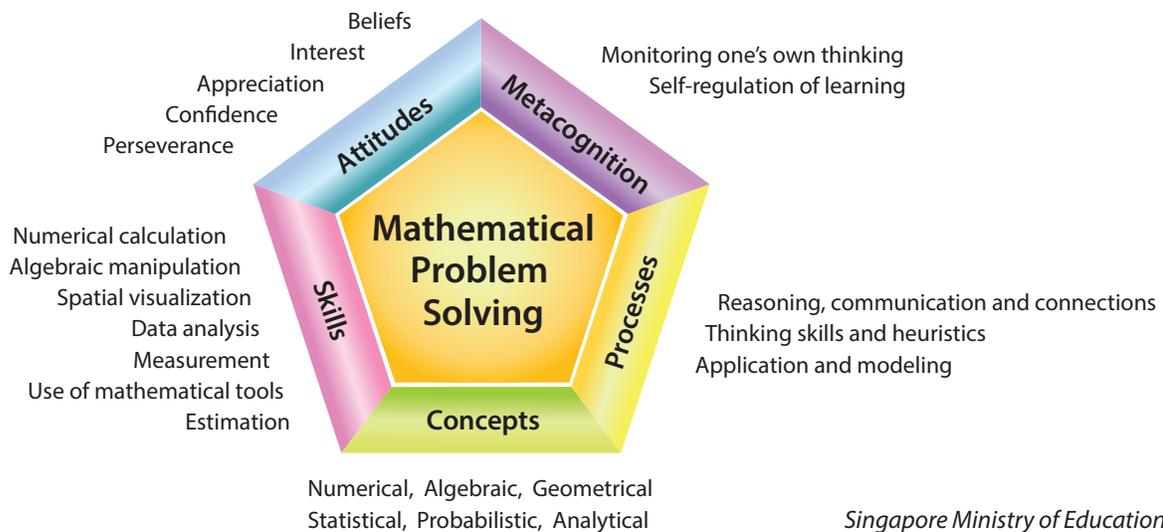
"...provided the best teaching practices from the best leaders in the field."
—K. Healy, educator

"It was inspiring. It was instructive. It was engaging and challenging."
—L. Lindsay, educator

Research and Results

The Singapore Math® Approach emphasizes five essential and interdependent elements of learning:

1. Conceptual Understanding
2. Skills Development
3. Positive Attitudes Toward Math
4. Metacognition
5. Problem Solving Strategies

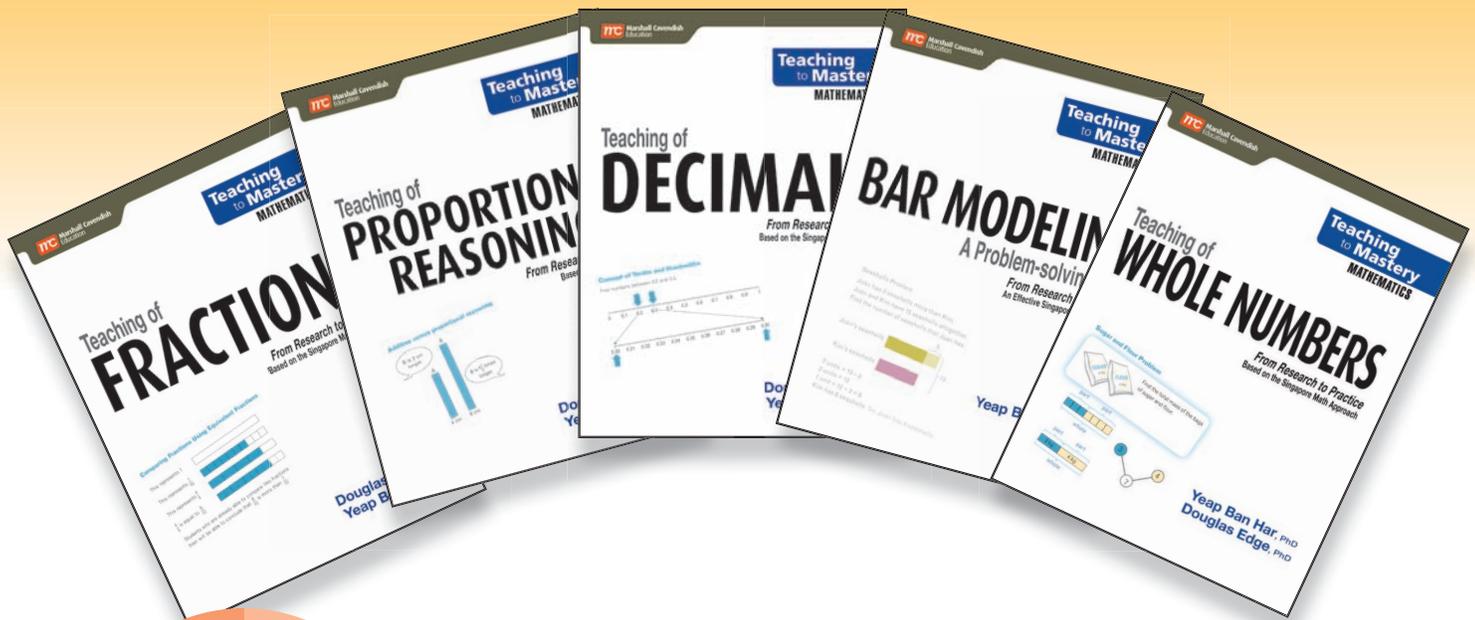


Singapore students lead in Trends in International Mathematics and Science Study (TIMSS)

Since TIMSS began in 1995, Singapore has consistently been a top-performing nation. The table to the right shows the average scale score of several participating regions and countries, including Singapore and the United States.

	1995	1999	2003	2007	2011
Singapore	590	607	594	599	606
Republic of Korea	581	587	-	-	605
Hong Kong SAR	557	582	575	607	602
Chinese Taipei	-	585	564	576	591
Japan	567	579	565	568	585
Russian Federation	-	526	532	544	542
England	484	496	531	541	542
United States	518	502	518	529	541
TIMSS Scale Average	500	500	500	500	500

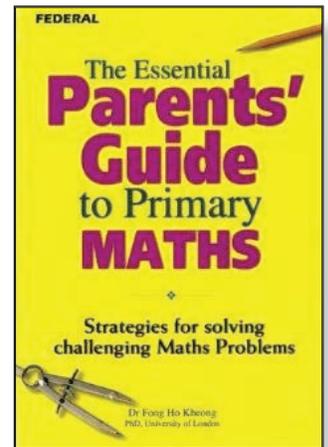
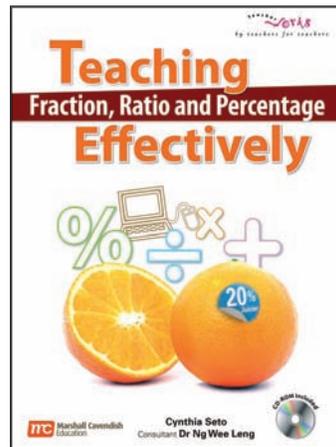
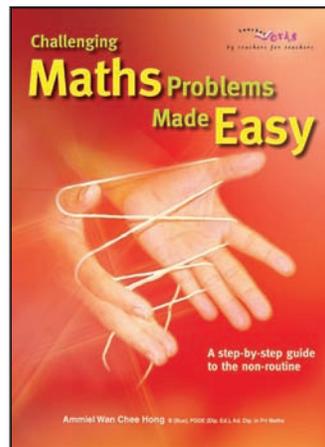
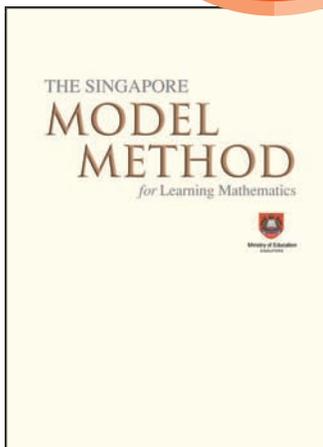
ADDITIONAL TEACHER SUPPORT



“An investment in education always pays the best interest.”

—Benjamin Franklin

Use this best-selling five-part professional development series, *Teaching to Mastery*, to delve more deeply into bar modeling, whole numbers, fractions, decimals and proportional reasoning. Each text carefully links math content to Singapore Math® pedagogy and helps educators enhance their classroom practice.



For a complete list of available workbooks, the Math Buddies K-5 digital resource, manipulatives, and more, **SHOP THE STORE** at www.mceducation.us/shop.

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