# Three-day Long Singapore Mathematics Teachers Institute

# Grades K-3 & Grades 3-8

**MMSETS is proud to introduce "Singapore Mathematics Institute", a three-day long workshop for:**

- Teachers
- Curriculum developers
- Homeschooling parents

**About the program**

Singapore Mathematics Institute is a continuing education program for teachers that helps educate them in the Singapore method – a new way of teaching math by utilizing clear presentations of elementary mathematics assisted with visual aids. By learning this method & establishing a visual bridge in mathematics, students are better able to grasp the math language, which can lead to a deeper understanding & often advancement beyond their current progression. The Singapore method is proven to be a great way for students to enhance math skills while having fun in the process!

**How it works**

The 3-day course will cover material by utilizing different approaches, encompassing a broader perspective and providing guidance about curriculum issues. Teachers who have participated in our course in the past have enjoyed learning effective methods for solving complex problems using visual aids and intuitive reasoning, taking some of the "foreign language" aspects out of mathematics. This workshop brings together content and pedagogy, blending expertise of mathematicians and mathematics educators alike.

**Why it's effective**

Singapore Math is a curriculum modeled on that country's official program. Thanks to the new NCTM guidelines, about 300 U.S. school districts now use Singapore Math. Many school districts and parents regard Singapore Math as the solution to reverse the Singapore math students outperform the rest of the world. The Singapore Mathematics is much more rigorous and accelerated than the math programs previously used in our schools, especially at the elementary level. With a strong emphasis on problem solving, and the connection of mathematics to other areas of mathematics, the Singapore Mathematics provides a coherent curriculum from kindergarten to high school and includes materials for students with special needs as well as those in a gifted program. It uses correct math language and stresses math accuracy and a balance of conceptual and procedural knowledge, all while stressing problem solving through the curriculum.

**Key Personnel**

**Eva J. Szillery, PhD**, a mathematician, received her doctorate in Mathematics in Budapest, Hungary. She is the academic director of the Maine Mathematics Science and Engineering Talent Search Program. Szillery is the Maine State Director of the American Mathematics Competition and the recipient of the University of Maine 2005 Educator Recognition Award for Programming Excellence of the MMSETS MJETS Programs.
She is using Singapore mathematics in the MMSETS/MJETS programs since 1998.

**When & Where**

**<u>Grades K-3</u>**

March 15 – March 17th 2012

8:00AM – 4:00PM

Offered by MMSETS & teacher Eva Szillery, PhD

St. John's Catholic School.
37 Pleasant Street, Brunswick 04011
(207) 725-5507

**Grades 3-8**

March 10th & March 12-13th 2012

8:00AM – 4:00PM

Offered by MMSETS & teacher Eva Szillery, PhD

St. John's Catholic School.
37 Pleasant Street, Brunswick 04011
(207) 725-5507

For more information or registration contact Eva Szillery (evaszillery-mmsets@me.acadia.net) or call at 207.356.0207

- If your school is interested in learning more about the Singapore Method, please call us for more information on scheduling a private three day workshop. The minimum enrollment of a workshop is 12 teachers. We offer three consecutive day workshops, spanning three Fridays or three Saturdays.

**More about the Singapore Method**

Singapore 4th and 8th graders have the highest scores in the Trends in International Mathematics and Science study (known as TIMSS ). Their elementary textbooks teach problem solving with model drawing, teach early, visual connection to algebra and geometry. Part of the reason is the approach taken in their elementary math textbooks, which emphasizes developing a strong understanding of the Number and Operations Strand. They teach problem solving using the model drawing process, which helps students develop a visual bridge to algebra.

**CEU Requirements**

- Credits/ If you request credits/certificates for attending the workshop, please check out in person at the end of each day so that your attendance can be noted.
- In order to receive CE credits, you must be registered as a professional for the workshop.
- To receive CE credits, you must attend the full day's program and complete all other specified requirements

**REGISTRATION FORM**
**3-Day Singapore Mathematics Teacher Institute**

**At St Johns Catholic School Brunswick**
**For teachers of grades 3-8: March 10, March 12, March 13**
**For teachers of grades K-3: March 15, March 16, March 17**
**From 8:00 a.m.-4:00 p.m.**
**(Please circle your choice)**

| | |
|---|---|
| **Name:** | |
| **Address** | |
| **Educational position** | |
| **Home Phone #** | |
| **Cell Phone #** | |
| **E-mail** | |

**Registration is on first-come, first-served basis**

**Fee: $400.Make checks payable to MMSETS.**
**Mail check and completed registration form to:**
**E. Szillery.**
**MMSETS**
**P.O. Box 496**
**Orono ME 04473**

**Upon receipt of your registration we will mail you the MMSETS Release Form, Program Policies, and Emergency Contact Information form.**

## More about MMSETS

**MMSETS was founded in 1997, an outreach program in Junior Engineering (grades 3-9). In the course of the years we had 4,000 students. Our students have been accepted to Ivy League schools, MIT and other schools topping the charts in engineering or business education. More importantly, wherever our students went, they stayed the course and graduated in the top 25% of their class; earned graduate degrees, or joined the work force and easily adapted to the changes of the job market.**

## Accommodations in Brunswick

**Accommodation is available at various motels or bed and breakfasts near the school.**

**The closest one is**

http://www.pelletierbedandbreakfast.com/index.html

**For further choices and for attractions of the area go to**

http://www.midcoastmaine.com/explore-the-region/day-trips

Brunswick, a historic and picturesque town of 20,000 residents, is the gateway to Maine's beautiful midcoast region. Nature lovers are drawn by the proximity to ocean, islands and mountains. In town, offsetting the physical splendor, are a distinguished college, two highly regarded hospitals, marvelous restaurants, distinctive retail establishments, and prolific cultural offerings at an array of visual and performing arts venues.

http://www.midcoastmaine.com/explore-the-region/day-trips