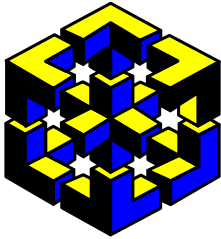


# STEM & NSA: A Long Term Partnership



## 2012 Summer Institute For Mathematics Teaching (SIMT)

Grade 2-5 teachers are invited to apply for the 2012 National Security Agency Elementary School Summer Institute for Mathematics Teaching (ES/SIMTs).

Program dates: July 9-13, 2012

Two follow up sessions

(dates to be determined)

Location: Cromwell Valley Magnet Elementary School

825 Providence Road

Towson, MD 21286

This program, hosted by Baltimore County, is open to all elementary school teachers in grades 2-5. Applicant must be a US citizen or permanent resident, currently teaching in a US school. Travel and lodging expenses are not included.

Participants will:

- Learn and apply instructional techniques for mathematics classrooms
- Receive a \$650 stipend and three MSDE in-service credits
- Receive free manipulatives and other valuable educational supplies
- Develop rich mathematical tasks which will be published on the internet
- Work hard and have fun in a professional, energetic, fast-paced environment.

**APPLICATIONS MUST BE POSTMARKED, EMAILED OR FAXED BY  
JUNE 8, 2012.**

**SELECTED APPLICANTS WILL BE NOTIFIED VIA EMAIL BY  
JUNE 23, 2012.**

## ***WHAT IS THE SUMMER INSTITUTE FOR MATHEMATICS TEACHING (SIMT)?***

In partnership with Baltimore County Public Schools, the National Security Agency's STEM Education Partnership Program (MEPP) is sponsoring the Elementary Summer Institutes for Mathematics Teaching. This non-residential Institute provide teachers an intensive five-day opportunity (8AM-4PM daily) to learn and apply instructional techniques for mathematics classrooms using a wide variety of manipulatives, methods and technology. **Although the Common Core State Standards for Mathematics are not the focal point of this workshop, there will be presentations and discussions on this topic throughout the week.**

During the week-long Institute, participants will **focus in depth on a single topic**, choosing from: Numbers and Operations; Geometry and Measurement; Data Analysis, Statistics and Probability; and Patterns, Functions and Algebra. The week may also include guest lectures from NSA's Mathematics Speakers Bureau and various educational institutions.

Participants will work with a partner to develop **mathematical tasks** designed to promote the Common Core Mathematical Practices. NSA maintains a royalty-free, nonexclusive, and irrevocable license to reproduce, publish, or otherwise use the tasks, and to authorize others to do so. NSA publishes these lesson plans on the internet as a service to the education community, and distributes them free of charge upon request from educational institutions or teachers.

Participants are required to attend **two follow-up sessions**, one in the fall and one in the spring, which may be held on a school day or on a Saturday. If these sessions occur on a school day, funding for a substitute is not provided as part of this program. Teachers from states outside the Mid-Atlantic region are not expected to attend the follow-up sessions if they are not interested in receiving MSDE credit. During these sessions, participants will make final changes to their mathematical tasks, attend sessions on topics not covered during the initial week sessions, and present their tasks to the group of program participants.

Participants will receive a **\$650.00 stipend** if they complete the entire 40-hour program during the summer and turn in mathematical tasks suitable for review by NSA and an independent representative/consultant. Participants will receive **three (3) MSDE in-service credits** (if accepted by your local school system) after attending both follow-up sessions.

## ***HOW CAN YOU BE A PART OF THE 2012 SUMMER INSTITUTE?***

Second through fifth grade teachers are invited to apply. We are looking for both experienced and novice teachers; for teachers who love to teach math and those who want to conquer their fears of teaching math; for teachers from public and private nonprofit schools. Most importantly, we are looking for teachers who are excited about teaching, who work well with others, and who like to participate!

The enclosed application must be completed, signed by both you and your principal, and postmarked **no later than June 8, 2012**. **Incomplete applications WILL NOT be considered**. Selected applicants will be notified via email by **June 23, 2012**.

# Application

## 2012 Summer Institute for Mathematics Teaching (SIMT)

**PLEASE TYPE/PRINT CLEARLY**  
**INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED!!**

1. Name

\_\_\_\_\_

Title (Mr., Ms., Mrs., Miss, Dr.)      First      Middle Initial      Last

2. School Information \_\_\_\_\_

Name of School

\_\_\_\_\_

Street Address      City/State/Zip

Public / Private      Title 1? Yes / No      \_\_\_\_\_      \_\_\_\_\_

Circle one      Circle one      County Where School is Located      School Telephone Number

3. Email \_\_\_\_\_

Personal (home) email Address

Email Address at school

4. Residence \_\_\_\_\_

Street Address

City/State/Zip

5. Phone: Home \_\_\_\_\_

(Area Code) Telephone Number

Cell \_\_\_\_\_

(Area Code) Telephone Number

4. Check one:  US Citizen       Permanent Resident

5. Check one:  Male       Female

6. Number of years experience teaching school \_\_\_\_\_

7. Highest degree earned \_\_\_\_\_ Area of Specialization \_\_\_\_\_

8. Grade(s) or Course(s) taught 2011-2012 school year \_\_\_\_\_

9. Grade(s) or Course(s) you expect to teach next year \_\_\_\_\_

10. Check one:  Classroom teacher       Resource teacher       Math specialist       Other

If other, please specify: \_\_\_\_\_

11. Continuing Education/Professional Development: On a separate page, list programs completed in the past 5 years. Use the following format:

Name of Program      Host Organization      Length      Date      Your Role

12. Reasons for Participating: On a separate page, state your future career plans, goals for enhancing mathematics education, and your reasons for participating in this institute.

13. Please number your topic choices in order of preference:

\_\_\_ Numbers and Operations                      \_\_\_ Geometry and Measurement  
\_\_\_ Data Analysis, Statistics and Probability    \_\_\_ Patterns and Algebraic Thinking

14. Have you ever attended a SIMT? \_\_\_ If yes, when? \_\_\_ What level? \_\_\_  
Which strand did you attend? \_\_\_\_\_

\*\*\*\*\*

15. Support of Administration: Your school principal must sign the following:

I recommend this applicant for participation in the institute. After completion of the Institute, I will support the applicant's efforts to convey the results of the Institute to other teachers at my school **and I will support the applicant's attendance at the two follow-up sessions which may both be held during an entire school day.** I understand that in order to get in-service credits, the applicant must attend these follow-up sessions and that **no reimbursement is provided for substitutes.** (Teachers from states outside the Mid-Atlantic region do not have to attend the follow-up sessions if they are not interested in receiving MSDE credit). I also consent to the inclusion of my school's name on this applicant's concept development units, which will be published and distributed by NSA, both in paper copy and on the Internet.

**Principal's Signature** \_\_\_\_\_

**Principal's Name (Printed)** \_\_\_\_\_

\*\*\*\*\*

16. Applicant Consent Statement: **You must sign the application** in order to be considered for the SIMT.

I acknowledge that NSA maintains a royalty-free, nonexclusive, and irrevocable license to reproduce, publish, or otherwise use mathematical tasks developed at the Summer Institute, and to authorize others to do so. I consent to having the completed mathematical tasks, including my name and school name, published in hard copy and on the Internet, as a service to the education community. I also consent to NSA's producing and using photographic or videotape images of me for purposes of including such images in informational packages regarding these institutes.

PRIVACY ACT STATEMENT: Auth: 10U.S.C. § 2193; SSN: EO 9397. PURPOSE: administer cooperative agreements with area schools. ROUTINE USES: disclosure to (1) Agency officials administering the program, (2) school cooperative agreement administrators and (3) teacher participants (contact information only). Disclosure of the information, including Social Security Numbers, is voluntary. Failure to furnish the requested information may result in non-selection, non-participation, or non-payment in the program. Your signature indicates you have read and understand the above.

**Applicant's Signature** \_\_\_\_\_

Application must be postmarked by **June 8, 2012.**

**SEND TO:** National Security Agency  
9800 Savage Rd. - Suite 6637  
Fort George G. Meade, Maryland 20755-6637  
Attn: Mathematics Education Partnership Program (MEPP)

**CHECKLIST: HAVE YOU...**

- ✓ **Listed continuing education courses?**
- ✓ **Stated reason(s) for participating?**
- ✓ **Prioritized your choice of topics?**
- ✓ **Obtained signature of principal?**
- ✓ **Signed the application?**

**Application can be faxed to 443/479-1193, ATTN: MEPP**  
**MEPP can be contacted via email at the address [mepp@nsa.gov](mailto:mepp@nsa.gov)**