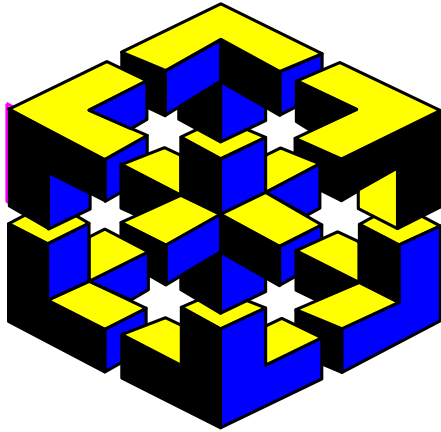


Mathematics & NSA: A Long Term Partnership



2008 Summer Institutes For Mathematics Teaching (SIMT)

Grade 2-5 teachers are invited to apply for the 2008 National Security Agency Elementary School Summer Institute for Mathematics Teaching (ES/SIMTs):

- Held June 25 – July 1, 2008: Hosted by Prince George's County Public Schools
- Held July 21-25, 2008: Hosted by Baltimore County Public Schools

Grade 6-12 teachers are invited to apply for the 2008 National Security Agency Middle and High School Summer Institute for Mathematics Teaching (MS-HS/SIMT):

- Held June 23-27, 2008: Hosted by Anne Arundel County Public Schools

Successful applicants:

- **Learn and apply** the latest instructional techniques for mathematics classrooms
- Receive a **stipend** of \$650
- Receive **free** manipulatives and other valuable **educational supplies**
- **Co-Author** concept development units for publication and distribution nationwide
- May receive **in-service** credits
- Receive a **lunch** each day

Participants can expect to work hard and have fun in a **professional, energetic, fast-paced environment**. The enclosed application must be postmarked no later than **May 15, 2008**.

WHAT IS THE SUMMER INSTITUTE FOR MATHEMATICS TEACHING?

In partnership with local county public schools, the National Security Agency's Mathematics Education Partnership Program sponsors Summer Institutes for Elementary, Middle, and High School Teachers. These Institutes provide teachers an **intensive five-day opportunity** to learn and apply the **latest instructional techniques for mathematics classrooms** using a wide variety of manipulatives, methods and technology.

During the week-long Institute, participants will **attend at least one strand** on subjects such as: **Elementary** - Numbers and Operations; Geometry and Spatial Sense; Functions, and Algebra; Data Analysis, and Statistics and Probability; and Patterns. **Middle/High** - Algebra; Geometry; and Probability. In addition, participants will attend **special lectures** by NSA mathematicians on topics such as cryptanalysis, probability, and statistics.

Participants will be part of a team that will **develop a concept development unit (with a complete assessment section)** designed to incorporate the Maryland State Core Learning Goals and the NCTM Standards. NSA maintains a royalty-free, nonexclusive, and irrevocable license to reproduce, publish, or otherwise use the concept development units, and to authorize others to do so. NSA publishes and distributes concept development units free of charge upon request from educational institutions or teachers. They may also be available via the Internet.

Participants are required to attend **two follow-up sessions**, one in the fall and one in the spring (tentatively scheduled in November/December and March/April). For the middle/high school institute, at least one of these may be on a Saturday. During these sessions, participants will make final changes to their concept development units, may attend new strand sessions, and will present their concept development units to the Institute.

Participants receive a stipend of **\$650.00** if they complete the entire 40-hour program during the summer and complete a concept development unit suitable for review by NSA and an independent representative/consultant. After attending the Institute and both follow-up sessions, participants may receive in-service credits depending on the requirements of their county/state (MSDE has approved 3 in-service credits).

HOW CAN YOU BE A PART OF A 2008 SUMMER INSTITUTE?

Second through fifth grade elementary school teachers, middle and high school mathematics 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 NEXT STEP

The **enclosed application** must be completed, signed by both you and your principal, and postmarked **no later than May 15, 2008**. Neatness and thoroughness count! Incomplete applications will not be considered.

Application

2008 Summer Institute for Mathematics Teaching

PLEASE TYPE/PRINT CLEARLY -- INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED.

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

2. Name of School where employed _____

_____ Public _____
Street Address City/State/Zip Code Private _____

County Where School is Located (Area Code) Telephone Number print e-mail Address (school)

3. Residence _____
(Area Code) Telephone Number Street Address

_____ print e-mail Address (home)

4. Male__ Female __ 5. US Citizen? Yes__ No __ (Institute Available ONLY to U.S. citizens)

6. Number of years experience teaching school _____

7. Highest degree earned _____ Area of Specialization _____

8. Grade(s) or Course(s) taught 2007-2008 school year _____

9. Continuing Education: On a separate page, list continuing education programs taken within the past 5 years. Use the format below.

<u>Name of Program</u>	<u>Host Organization</u>	<u>Length</u>	<u>Date</u>	<u>Your Role</u>
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10. Reasons for Participating: On separate paper, state your future plans and goals for enhancing mathematics education and your reasons for participating in this institute.

11. **ELEMENTARY SCHOOL ONLY:** You also must attach one of your lesson plans or units as an example of your writing and planning skills.

12. Please indicate your INSTITUTE's strand preference by prioritizing your choices (Ex:1,2,3,4):

Prince George's County Elementary: Wednesday, June 25 – Tuesday, July 1, 2008

Numbers __ Geometry __ Data Analysis __ Patterns __

Baltimore County Elementary: Monday, July 21 - Friday, July 25, 2008

Numbers __ Geometry __ Data Analysis __ Patterns __

Anne Arundel County Middle / High School: Monday, June 23 - Friday, June 27, 2008

Algebra __ Geometry __ Probability __ Advanced Topics __

13. Have you ever attended a SIMT? _____ If yes, when? _____ What level? _____
Which strand did you attend? _____

14. 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 NSA will provide no reimbursements 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) _____

15. Applicant Consent Statement: You must sign the application in order to be considered for the Institute.

I acknowledge that NSA maintains a royalty-free, nonexclusive, and irrevocable license to reproduce, publish, or otherwise use concept development units developed at the Summer Institute for Federal purposes, and to authorize others to do so. I consent to having the completed concept development unit, including my name and school name, published in hard copy and on the Internet. 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 **May 15, 2008.**

SEND TO: National Security Agency
9800 Savage Rd. - Suite 6637
Fort George G. Meade, Maryland 20755-6637
Attn: E07/MEPP

CHECKLIST: HAVE YOU?	
✓	Listed continuing education courses?
✓	Stated reason(s) for participating in institute?
✓	Included sample lesson plan (if applicable)?
✓	Selected which institute you're applying for?
✓	Prioritized strand choices?
✓	Obtained signature of principal?
✓	Signed the application?

Application can be faxed to 443/479-1193, ATTN: Lori Robey

MEPP can be contacted via email at the address mepp@nsa.gov