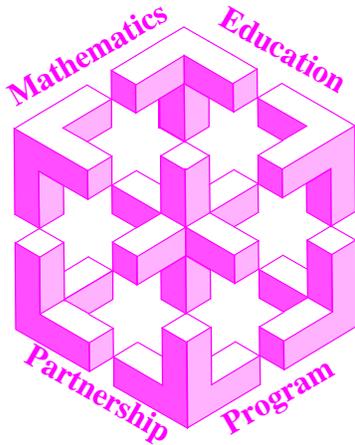


Mathematics & NSA: A Long Term Partnership



2006

Summer Institutes

for

Mathematics Teaching

(SIMT)

Grade 2-5 teachers are invited to apply for the 2006 National Security Agency Elementary School Summer Institute for Mathematics Teaching (ES/SIMTs):

- Held June 21-27, 2006, Hosted by Prince George's County Public Schools
- Held July 24-28, 2006, Hosted by Baltimore County Public Schools

Grade 6-12 teachers are invited to apply for the 2006 National Security Agency Combined Middle/High School Summer Institute for Mathematics Teaching (MS-HS/SIMT):

- Held June 26-30, 2006, 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 **continental breakfast and 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 5, 2006**.

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; Patterns, Functions, and Algebra; Data Analysis, Statistics and Probability; and Mathematics Measurements (4-6th grade teachers ONLY); **Middle/High** - Algebra; Geometry; Probability; and Proportional Reasoning. 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 ownership of the concept development units and publishes and distributes them 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). 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.

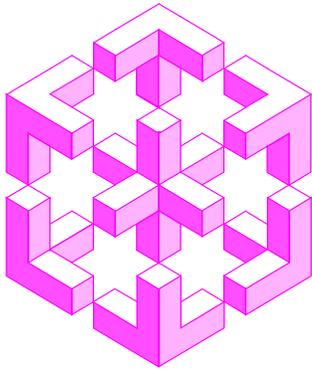
Participants receive a stipend of **\$650.00** if they complete the entire 40-hour program during the summer and complete a concept development unit suitable for review by NSA and an independent representative/consultant. After attending the Institute and both follow-up sessions, participants may receive 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 2006 SUMMER INSTITUTE?

Second through fifth grade elementary school teachers, middle and high school mathematics and science 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 5, 2006**. Neatness and thoroughness count! Incomplete applications will not be considered.



Mathematics & NSA: A Long Term Partnership

Application

2006 Summer Institute for Mathematics Teaching

PLEASE TYPE OR 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

_____ print e-mail Address (home)

4. Male _____ Female _____ Social Security Number (Optional) _____

5. US Citizen? Yes ___ (Institute Available ONLY to U.S. citizens) Date of Birth _____

6. Number of years experience teaching school _____

7. Highest degree earned _____ Area of Specialization _____

8. Grade(s) or Course(s) taught 2005-2006 school year _____

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

Name of Program Host Organization Length Date Your Role

10. Reasons for Participating: On separate paper, state your future plans and goals for enhancing mathematics or science 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 CHECK box for preferred INSTITUTE, then prioritize your strand choices (Ex:1,2,3,4,5):

Prince George's County Elementary: June 21-27, 2006
Patterns ___ Geometry ___ Data Analysis ___ Numbers ___ Measurement ___

Detach Here

Baltimore County Elementary: July 24-28, 2006
Patterns ___ Geometry ___ Data Analysis ___ Numbers ___

Anne Arundel County Senior/Middle School: June 26-30, 2006
Algebra ___ Geometry ___ Probability ___ Proportional Reasoning ___

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 will 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 and phone number 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 consent to NSA's ownership, publication, and distribution, both in paper copy and on the Internet, of the concept development units I write, to include my name, school name, and school phone number. 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 voluntarily. 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 5, 2006.**

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

CHECKLIST: HAVE YOU?

- Listed continuing education courses
- Stated reason(s) for participating in institute
- Included sample lesson plan (if applicable)
- Selected which institute and 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 e-mail at the address mepp@nsa.gov