Hofstra University

Mathematics, Science and Technology Explorations
A Professional Development Institute

Summer 2004
July 6-10 and July 12-16
(Advanced Institute available for prior participants, July 19-23.)

8:30 a.m.-3:30 p.m.

Co-sponsored by Nassau BOCES

A professional development institute for teachers (grades 3-7) to deepen their knowledge and understanding of content and process skills in Mathematics, Science and Technology

Registration Options:
• In-service credit through your school district
• Graduate credit (3 or 6 s.h.)
About the MST Institute

Summer 2004 at Hofstra University
July 6-10 and July 12-16
(+ Advanced Institute for prior participants, July 19-23)
8:30 a.m. to 3:30 p.m.

Week One:
You will be engaged in ongoing professional development that exemplifies how the New York State Mathematics, Science, and Technology Standards can deepen knowledge and understanding of content and process skills. Make the “invisible, visible” as you learn how to turn constructivist theory into everyday practice. While working in a hands-on, inquiry-driven environment, discover the benefits of implementing “Big Ideas,” developing questioning techniques, integrating and enhancing curricula, incorporating engineering design, and exploring the latest computer and internet applications that connect to instructional strategies.

Week Two:
As a member of this learning community you will also observe these instructional strategies modeled in a discovery lab setting with children. During this time you will participate in peer review, and incorporate the art of reflection as an integral part of planning lessons.

Week Three:
For information about this advanced Institute for prior participants, call (516) 463-5750.

Fall 2004 – Spring 2005
Follow-up support for summer participants:
Optional five (5) full-day seminars will be offered on MST topics to further enhance teachers' understanding of content and process. Specialists in the fields of mathematics, science and technology will facilitate these seminars. Participants may choose to attend any of the five seminars that will be offered. Three (3) workshops will be conducted on Saturdays and two (2) workshops will be held during the school day.

About the Coordinators
Janice Koch, Ph.D. is Professor of Science Education for the Department of Curriculum and Teaching at Hofstra University, Hempstead, New York. Her research explores the use of technology to enhance the learning experiences of children in science and mathematics. She is director of the graduate program in elementary education, specializing in mathematics, science and technology. She is the 1995 recipient of the Hofstra University Distinguished Teacher of the Year Award and the 2001 recipient of the Robert S. Guthman award for Distinguished Service to the School of Education and Allied Human Services. Dr. Koch is the author of the elementary science methods text, Science Stories: Teachers and Children as Science Learners (1999, Houghton Mifflin), and more recently, Science Stories: A Science Methods Book for Elementary School Teachers. She is co-author of Gender Equity Right from the Start and Gender Equity Sources and Resources for Education Students. She has published several articles in Science and Children, the elementary school science journal of the National Science Teachers Association. Dr. Koch's website is: people.hofstra.edu/faculty/janice_koch

Donna Migdol, M.S. and Kathryn Chapman, M.S. are Adjunct Professors at Hofstra University and Elementary Mathematics and Science Supervisors for The Oceanside School District. They have presented at numerous conferences in both mathematics and science on Long Island. They have been involved in staff development of teachers in school districts that wish to implement inquiry based MST investigations to strengthen their curricula and teaching practices. They have taught at SUNY Old Westbury School for the Gifted. Professors Migdol and Chapman have also presented in Albany for the Peer Review panel and at Washington, D.C. for the National Science Foundation. While team-teaching in a third grade class, WNET videotaped the development of the MST process in Professor Migdol's classroom. Professors Migdol and Chapman are participants in a 5-year NSF grant to implement the MST Standards in the classroom. Their publications include: It's Not Just the Project: Integrated Math, Science and Technology: Real-World Statistics; MST Lessons to Meet the Standards.
MATHEMATICS, SCIENCE AND TECHNOLOGY EXPLORATIONS
A Professional Development Institute at Hofstra University
July 6-10 and July 12-16, 2004
8:30 a.m. to 3:30 p.m.

REGISTRATION FORM
Kindly return this form to:
Jane M. Goldman, Senior Assistant Dean
School of Education and Allied Human Services
120 Hagedorn Hall
119 Hofstra University
Hempstead, NY 11549.
(516) 463-5750

Name_____________________________
Home Address________________________
City, State, Zip________________________
Home Tel. #__________________________
E-mail_______________________________
Work Tel. #__________________________
School/District_______________________
Position____________________________

I want to reserve my place in the 2004 Summer MST Institute. My district will be completing the Letter of Intent to sponsor my participation by April 30, 2004.

☐ $300 fee for 2-week Institute for new participants. (Includes materials, continental breakfasts and follow-up support). You can apply for in-service credit through your school district.

OR

I will be registering for University graduate credit (check one):
☐ ELED 280E (3 credits)
☐ ELED 280E and ELED 280F (6 credits)
(Can be applied to the Hofstra University MA/MST Graduate Program.)