

Penn State Harrisburg



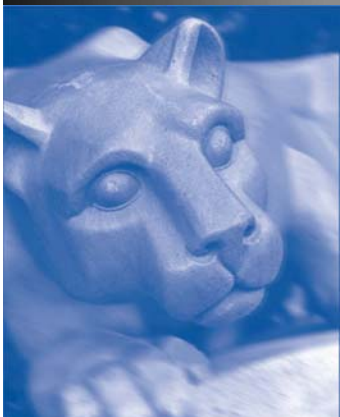
Capital Area Institute for Mathematics and Science



2005-2006



Professional Development Offerings



Expanded descriptions of all offerings
are posted on the Institute Web site:
www.mathscience.org

PENNSSTATE



Capital Area Institute for Mathematics and Science



An outreach service of Capital Area Institute for Mathematics and Science, and School of Behavioral Sciences and Education

We are pleased to announce the upcoming workshop schedule for Whitaker Center for Science and the Arts, please visit www.mathscience.org or www.whitakercenter.org for more information

Date Saver

Mathematics and Science Leadership Conference

October 10, 2005 • Penn State Harrisburg

Mark your calendars for an energizing one-day conference for mathematics and science leaders! Participants will explore the research and best practices in mathematics and sciences.

Topics include:

- The TIMSS 2004 Report and its implications for education
- Standards-based and research-based curriculum
- Instructional strategies to meet the needs of diverse learners
- Current assessment issues and resources

The keynote speaker will be William H. Schmidt, Ph.D., from Michigan State University. Dr. Schmidt is a well-known researcher in curriculum and assessment. He directed the U.S. participation in the 1999 TIMSS. Visit our Web site at www.mathscience.org for updated program information and registration.

Announcing the new CAIMS Book Club!



Join us for coffee, cookies, and good conversation! How often do you have time to read books that have information related to Best Practices in teaching mathematics and science? The CAIMS Book Club is dedicated to providing educators with an opportunity to highlight current literature on various topics related to teaching and provide an informal forum to share ideas, reactions, and summaries related to the selected books. The club is free and open to interested teachers, administrators, and parents. Check our web site for relevant discussion and how to sign up. Our first meeting will be the evening of September 13, 2005 at the Morrison Gallery in the Penn State Harrisburg Library. We will discuss the book *Best Practice- New Standards for Teaching and Learning in America's Schools*. Dr. Jane Wilburne will facilitate this lively discussion. Visit our Web site for details on this book and upcoming meetings!

Professional Development Offerings

Course Number and Title: EDSCI 8702.01: Integrating Assessments into the FOSS/Delta/STC Programs

Schedule: 6/22/05, 9:00-11:00 a.m.

Schedule Number: 889805

Location: CAIMS Resource Center Conference Room

Cost: \$40

Course Number and Title: EDUC 8801.01: Integrating Literacy into the FOSS/Delta/STC Programs

(section 001)

Schedule: 6/28/05, 9:00 a.m.-Noon

Schedule Number: 889841

Location: CAIMS Resource Center Conference Room

Cost: \$50

Course Number and Title: EDSCI 8703.01: Integrating Technology into the FOSS/Delta/STC Programs

Schedule: 6/30/05, 9:00-11:00 a.m.

Schedule Number: 889814

Location: W-241 Olmsted Building

Cost: \$40

Course Number and Title: EDUC 8805.01: What Do We Mean By Algebra in the Primary Classroom

Schedule: 7/12/05, 9:00-11:00 a.m.

Schedule Number: 890506

Location: W-241 Olmsted Building

Cost: \$40

Course Number and Title: EDUC 8802.01: Writing in the Secondary Mathematics Classroom

Schedule: 7/19/05, 9:00-11:00 a.m.

Schedule Number: 890524

Location: CAIMS Resource Center Conference Room

Cost: \$40

Course Number and Title: EDUC 8202.01: Using the SMARTBOARD Effectively in the Classroom

Schedule: 7/21/05, 9:00-3:00 p.m.

Schedule Number: 891082

Location: W-241 Olmsted Building

Cost: \$80

Course Number and Title: EDUC 8803.01: Creating Effective Mathematics Tests

Schedule: 7/26/05, 5:00-7:30 p.m.

Schedule Number: 890579

Location: W-241 Olmsted Building

Cost: \$45

Course Number and Title: EDSCI 8701.01: Choosing and Using Trade Books for Science Teaching

Schedule: 7/27/05, 9:00 a.m.-Noon
Schedule Number: 890588
Location: W-241 Olmsted Building
Cost: \$50

Course Number and Title: EDUC 8804.01: ESL and the Mathematics Classroom

Schedule: 8/2/05, 9:00-11:00 a.m.
Schedule Number: 891127
Location: W-241 Olmsted Building
Cost: \$50

Course Number and Title: EDSCI 8704.01: JASON Expedition: MARS

Schedule: 8/3/05 and 8/4/05, 8:00 a.m.-4:00 p.m.
Schedule Number: 890597
Location: W-241 Olmsted Building
Cost: \$275, includes curriculum

Course Number and Title: EDUC 8212.01: Using Geometer's Sketchpad

Schedule: 8/9/05, 9:00-11:00 a.m.
Schedule Number: 890605
Location: W-241 Olmsted Building
Cost: \$40

Course Number and Title: EDSCI 8706.01: From Exploration to Inquiry

Schedule: 8/10/05, 9:00-11:00 a.m.
Schedule Number: 890614
Location: W-241 Olmsted Building
Cost: \$40

Course Number and Title: EDSCI 8704.01: JASON Expedition: MARS

Schedule: 9/16/05 and 9/17/05, 8:00 a.m.-4:00 p.m.
Schedule Number: 890623
Location: CAIMS Resource Center Conference Room
Cost: \$275, includes curriculum

Course Number and Title: EDSCI 8707.01: Science at the Sand Table

Schedule: 9/28/05, 6:30-8:30 p.m.
Schedule Number: 890687
Location: CAIMS Resource Center Conference Room
Cost: \$40

Course Number and Title: EDSCI 8159.01: Owl Pellets

Schedule: 10/5/05, 5:00-7:00 p.m.
Schedule Number: 890650
Location: CAIMS Resource Center Conference Room
Cost: \$40

Course Number and Title: EDSCI 8155.01: Project Learning Tree (Deforestation and Loss

of Habitat)

(Sponsored by the Pennsylvania Department of Education)
Schedule: 11/5/05, 8:00-11:30 a.m.
Schedule Number: 890641
Location: W-241 Olmsted Building
Cost: \$55

Course Number and Title: EDSCI 8708.01: Stories in Stone-GEMS

Schedule: 2/1/06, 8:30-12:30 p.m.
Schedule Number: 891974
Location: CAIMS Resource Center Conference Room
Cost: \$60

Course Number and Title: EDUC 8801.01: Integrating Literacy into the FOSS/Delta/STC Programs

Schedule: 2/7/06, 5:00-8:00 p.m.
Schedule Number: 891983
Location: CAIMS Resource Center Conference Room
Cost: \$50

Course Number and Title: EDUC 8806.01: Mathematical Problem Solving in the Elementary Classroom

Schedule: 2/28/06, 5:00-7:00 p.m.
Schedule Number: 891992
Location: CAIMS Resource Center Conference Room
Cost: \$40

Course Number and Title: EDSCI 8705.01: Introduction to *Tinkerplots*- A Statistical Software Program for the Elementary School

Schedule: 3/14/06, 5:00-7:00 p.m.
Schedule Number: 892018
Location: W-241 Olmsted Building
Cost: \$40

Course Number and Title: EDUC 8807.01: Mathematical Problem Solving in the Middle School Classroom

Schedule: 3/21/06, 5:00-7:00 p.m.
Schedule Number: 892045
Location: CAIMS Resource Center Conference Room
Cost: \$40

Course Number and Title: EDSCI 8709.01: Messages from Space- GEMS

Schedule: 3/29/06, 8:30 a.m.-Noon
Schedule Number: 892081
Location: CAIMS Resource Center Conference Room
Cost: \$55

Penn State encourages persons with disabilities to participate in its programs and activities. If you anticipate needing any type of accommodation or have questions about the physical access provided, contact Rhonda G. Stump at 717-948-6511 in advance of your participation or visit.

Penn State is committed to affirmative action, equal opportunity, and the diversity of its workforce. U.Ed. HB 05-212

Capital Area Institute for Mathematics and Science

The initial charge to the Capital Area Institute for Mathematics and Science was to serve as a catalyst to bring together education, business, industry, labor, government, and the community in order to promote excellence in science, mathematics, and technology education for all students in the Capital Region. The Institute now serves over 2,000 teachers a year through programs and services including:

- Developing and delivering long-term, sustained professional development for K-12 teachers
- Developing and implementing programs grounded in the National Science Education Standards and the National Council of Teachers of Mathematics Standards
- Maintaining a math and science education resource center

The workshops presented in this brochure, as well as a comprehensive list of additional offerings, may be customized and offered on-site for interested school districts and community organizations. For more information, e-mail caims@psu.edu or visit our Web site to see our expanded list of offerings.

General Information

Professional Development: All professional development workshops listed in this brochure will appear on a student's noncredit transcript. The courses have also been submitted for ACT 48 credit. Penn State is an ACT 48 Approved Provider. The student is responsible for recording all the necessary paperwork.

Enrollment: Enrollment will be limited to 15 participants. A session will be conducted if there are at least eight enrollees two weeks prior to the scheduled date.

Confirmations: All confirmations will be made by phone or e-mail at least one week prior to the class. Students are encouraged to provide an e-mail address on the registration form, so an e-mail confirmation can be made.

Location: Class locations are updated on our Web site. Most courses meet in the CAIMS Resource Center Conference Room (140 Alumni Drive) or W-241 Olmsted Building on the Penn State Harrisburg Campus. Students are required to have a temporary parking permit. Details regarding parking may be found on our Web site.

Food: Workshops that meet more than two hours may have a light snack and beverage. For day-long workshops, students are encouraged to pack a lunch or be prepared to purchase lunch at a local restaurant or the campus food court (when operating).

Cost: The cost listed for each session includes all necessary materials. Group discounts for a single session are available. Contact caims@psu.edu for additional information.

Registration and Payment Statement: Complete the registration form and submit it with payment by check, VISA, Mastercard, or employer billing preferably one week prior to the start of class. Employer (School District) Billing- The Bursar will bill an employer in response to a student request on organizational letterhead stating the student's name, social security number, and applicable cost. Letters containing academic performance conditions will not be accepted.

Certificates: All attendees will receive a Penn State certificate verifying the Continuing Education Units (CEU's) earned.

University Policies: For University Policies information on registration, cancellation, access, etc. please visit our Web site at www.mathscience.org.

Register for Classes:

Mail registration form and payment to Noncredit Registration, Continuing Education, Penn State Harrisburg, 777 West Harrisburg Pike, Middletown, PA 17057-4898. Fax registration form with credit card information or billing authorization to 717-948-6582.

For additional information: Ronda G. Stump, M.Ed., CAIMS Program Coordinator, Penn State Harrisburg, W-343 Olmsted Building, 717-948-6511 (phone), 717-948-6064 (fax), rfg2@psu.edu or caims@psu.edu (e-mail).