

Partnership

In this issue...

PARTNERSHIP NEWS	1
FRANKLIN COUNTY SUMMER ACADEMY	2
PROFESSIONAL DEVELOPMENT	3
SUMMER PROGRAMS AND COURSES AT UMASS	8
RESOURCES	10
<u>GUEST COLUMNS</u>	
STEM	10
WGBY	11

The Five College Public School Partnership is guided by a Steering Committee made up of Five College faculty and Connecticut River Valley school administrators and teachers. Partnership programs are developed by planning committees of school and college faculty. If you would like to become involved or have ideas for the Partnership, please contact us at 413-256-8316.

Partnership News

Summer is here. As I write this in early May, the temperature is already in the 90s. We hope you have made it through the MCAS testing period and that you will glide through those extra "snow" days with your humor and good spirits intact.

We have just concluded our second year of Teachers as Scholars seminar. Thanks to all of the Five College and K12 faculty who led the seminars, and to the teachers from the 50 schools and 32 districts who participated. We plan to offer more seminars next year; if you have suggestions of subjects you would like to see addressed, please let us know.

The New Teachers Dinner Club, a network of first and second year math and science teachers, has been meeting throughout this academic year at Five Colleges. The New Teachers group is made possible by a small grant from STEMTEC. Its purpose is to provide a forum for new math and science teachers to share ideas regarding curriculum, classroom management, and professional development, as well as to relax and enjoy good food with colleagues. Maury Bohan, fifth grade teacher at Wildwood, and Emily Case, Middle and High School teacher from Hatfield, have served as co-facilitators of the group. The group will continue to meet next year. If you are a first year math or science teacher at any level, and would like to join, please let us know. And, if you have a new teacher colleague in the fall, please pass the word on.

The Partnership recently received a grant from the Fulbright-Hays Group Projects Abroad Program and we are now in the final stages of organizing a group of eight teachers from the Springfield, Northampton, and Amherst school districts. Four additional participants from Global Horizons at UMass and the Five College Asian Pacific American faculty seminar will round out the trip. The purpose of the study tour is to help develop curriculum that will meet the needs of districts with a substantial SE Asian population.

If you are still looking for professional development opportunities this summer, you will find a number of possibilities in this newsletter. Beginning with our Fall 2001 issue of the newsletter, we will be publishing a reduced paper version, but will be improving the Partnership website. Our intention is to continue providing you with as comprehensive a list of professional development opportunities as possible, but in a different format. We welcome your feedback and ideas.

Sue Thrasher
PARTNERSHIP COORDINATOR

2001 Franklin County Professional Development Summer Academy

The Franklin County Professional Development Academy is offering its seventh season of professional development workshops for Franklin County teachers. Area public and private schools may register on a fee basis.

Offerings include:

Family Matters, Kate Smolen-Morton, Mohawk Trail Middle School English Teacher, and others

Project READ: Written Expression, Angela Wilkins, Garside Institute

Revolution and Rebellion in Western Massachusetts: A Case Study of Revolutionary America, Marilyn McArthur

Understanding Teaching I (New Insights to Increase Student Performance), Ken Chapman, Research for Better Teaching,

Web Page Design, Doug Wilkins, Greenfield Community College, Presenter, Rich Couch

What is Differentiated Instruction and How Does it Apply to the Standards-Based Classroom? Shirley Gilfether

Using Assessment Data to Strengthen Reading Instruction, Louise Law, Director, Elementary Education, Union #38

But What Are They Learning? Documenting the Emergent Curriculum, Lise McGuinness

“Can I Take Your Order?” Ways in Which Dramatic Play Supports and Extends Children’s Learning, Lisa Herral

The Children’s Curriculum: How Do We Teach to Reach Children’s Diverse Needs? Lisa Herral

Growing Minds and Little Fingers: Science and Technology for Young Children, Doug Kimball, Audubon Society

Music for Music’s Sake in the Early Childhood Classroom, Annie Harlow, Artspace Community Arts Center

“What is This Emergent Curriculum?” Planning to Follow Your Children’s Interests, Lise McGuinness

The Construction of American Studies Instructional Units, Daniel C. Leclerc, Assistant Superintendent, Ashland Public Schools

And many more . . . contact Sherry Clark at 413-772-1312 for a full course catalogue and registration information.

Coming in September

STEM Education Institute Workshop

“Science and Mathematics Education Reform: Implications for Inclusive Pedagogy”

Kathleen Davis, Paige Bray, & Tarin Weiss, Science Education, UMass, Amherst

Saturday, September 29, 8:30-2:30

Our workshop will provide opportunities for participants to reflect critically on the structures, practices, and pedagogical approaches of reform-based science and mathematics education. Activities and small group discussions will be used to explore roadblocks to participation in science and math for females and other traditionally marginalized groups.

This event is open without charge to anyone in the educational community. Lunch and all materials will be provided. However, space is limited and reservations are required. 6 PDP’s will be awarded.

Science and Engineering Saturday Seminars at UMass Amherst

Presented by STEM & the Raytheon Corp.

- Designed for teachers in grades 5-9.
- Five Saturdays in the fall; 8:30-1.
- No charge; free refreshments, educational materials
- Advance registration is required; capacity is limited
- Teachers completing the program will receive 20 PDP’s.
- Optional 3 graduate credits at low cost

This program was offered for the first time in the spring semester and was very popular. Dates and topics will be announced later. Contact Mort Sternheim, mort@k12s.phast.umass.edu, 413-545-1908 to be added to the email list for a detailed announcement.

For more information and registration please contact Eugenie Harvey, 413-545-1290, eharvey@k12s.phast.umass.edu.

PROFESSIONAL DEVELOPMENT OPPORTUNITIES

This newsletter is a service of the Five College/Public School Partnership. To register for any courses listed below, please contact the indicated sponsoring organization.

Announcements

CONNECTICUT RIVER WATERSHED COUNCIL

413-529-9500

CRWC@CROCKER.COM

Biodiversity Days

June 9-10

The Connecticut River Watershed Council and several other organizations are participating in the state's Biodiversity Days with a focus on the Connecticut River and its tributaries: the Chicopee, Deerfield, Westfield, and Farmington Rivers. This is the first inventory of this magnitude. To volunteer and for more information please contact Lora Wondolowski.

Workshops & Seminars

WESTERN MASS WRITING PROJECT

(413) 545-5466

**[HTTP://WWW-UNIX.OIT.UMASS.EDU/
~CMORAN/WMWP](http://www-unix.oit.umass.edu/~cmoran/wmwp)**

Summer Programs, 2001 Invitational Summer Institute

Mon.-Thurs., July 9-27, 8:30-4pm.
UMass-Amherst, Tobin Hall
By application. A three-week program for local teachers on writing and the teaching of writing. Orientation Saturday, June 2, 9-2pm.
89 PDP's. Stipend \$600.

Teachers as Writers 4: Exploring Place

July 23-27 UMass-Amherst, Tobin Hall Led by Lucile Burt, the workshop will focus on teachers' writing, with writing-time, prompts, feedback, and time to share. 35 PDP's. Limit 20. Fee: \$99.

Technology for Teachers

July 9-13, 9-4pm.

UMass, Bartlett Hall

Led by Paul Oh, participants will learn how to use Internet tools to enhance curriculum and preview commonly-used educational software. 35 PDP's. Limit 20. Fee: \$99.

Writing Matters: Writing in the Science Classroom,

August 20-22, 9-12pm. Grades 4-9.
UMass, Tobin Hall

In this workshop for upper elementary and middle school teachers, participants will learn strategies for integrating writing into their science classrooms. Teams of science and language arts teachers are encouraged. 12 PDP's. Fee \$50; limit 30, first come, first served.

Writing For All

July 17-19, 8:45 - 3:30pm.

UMass, Tobin Hall

Led by Karen Sumaryono and Wilma Ortiz, teachers will work on strategies for helping English Language learners in their mainstream or ESL classrooms, K-13. No charge, but registration required. Limit 20. 24 PDP's.

SummerWrite 2001

Monday-Friday, July 9-20, 9-noon.

UMass, Bartlett Hall

A two-week summer writing camp for students in grades 5-12. Led by Susan Biggs. Limit 20. Fee \$100.

OLD STURBRIDGE VILLAGE

508-347-3362, EXT. 285

EMAIL:OSVED@OSV.ORG

In Collaboration with the National Council for the Social Studies Summer Institute for Teachers.

Exploring Family Past and Present: Reading & Writing About History

July 24-28, 9-5pm. Cost: \$275.

This institute is designed to assist teachers and schools implementing an interdisciplinary, skill-oriented, multicultural unit as part of their Social Studies and English Language Arts curricula. Sessions will include methods of incorporating mathematics, science, and the arts with social studies. Teachers will participate in hands-on activities, gather information from living history exhibits, examine primary resources, and learn practical teaching techniques to implement the history of early 19th-century New England. This unit supports the national standards and the Massachusetts and Connecticut History/Social Studies and English Language Arts Curriculum Frameworks. The optional curriculum package, including Teacher's Guide, background information, classroom material, and two video tapes, is an additional \$99.00. PDPs and 3 graduate credits are available through Worcester State College. Continuing Educational Units are provided also.

SUMMERMATH FOR TEACHERS

MOUNT HOLYOKE COLLEGE

413-538-2063

SMT-DMIINFO@MTHOLYOKE.EDU

DMI Leadership Institute

July 22-August 3,

Designed to help teachers think through the major ideas of K-6 mathematics and examine how children develop those ideas. Institute 1 is for teams of staff developers, teacher educators, teacher-leaders, and others who support teachers' professional development. Institute 2 is for those who have attended institute 1 or have participated in a DMI Number and Operations seminar. Each institute awards 4graduate credits in mathematics education.

PROFESSIONAL DEVELOPMENT OPPORTUNITIES

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SUMMER 2001 AT HEC

413-586-4900

Geology of the Pioneer Valley

Presenter, Richard Little
July 23–26 Register by July 9
8:30–3:30pm. Cost Mem: \$255/non-mem: \$285. Grade Level 6-12.
Greenfield Community College
Topics to be covered will include Rocks, Minerals and Maps, and participants will gain an understanding of the “bedrock” issues of Connecticut Valley Development. The first day will overview the Valley Geologic History and continue with an introduction to minerals and rocks, their properties and identification, an introduction to Maps and Air Photo interpretation. Other topics covered are: “Shaping the Valley, Rivers and Glaciers”, in which the geomorphology of rivers and glaciers will be examined as well as the analysis of river and glacier landforms on maps and in air photos. Field trips to the GCC Rock Park as well as other various sites in Franklin County will be included. Physical Geology text required, lab text is recommended. Call instructor for more information regarding purchase through GCC bookstore. We will award 25 PDP’s, and 2 Graduate Credits/Fitchburg State College (pending).

Guided Reading

Presenters Michelle Dufresne, Sanford Roth, Dee McWilliams
July 30–Aug. 3 Register by July 16.
Mon-Thur. 8:30–2:30pm. & Fri.
8:30–12pm.
Mem \$340 Non-mem \$370
Material fee: \$15:00
Plains Elementary School, South Hadley, MA. Grade Level K-1.
An important literacy event which will provide teachers with an opportunity to support readers in their development of effective strategies for processing new

texts. Teachers are invited to explore Guided Reading as a tool for enabling students to use and develop strategies “on the run”. Participants will have an opportunity to observe Guided Reading lessons as well as a chance to practice with young children. Teachers will be taught how to select appropriate texts for readers, plan introductions, explore sound teaching points, and teach for strategies. Teachers attending this institute must have experience with running records. We will award 25 PDP’s, 2 Graduate Credits/Fitchburg State College—additional cost (\$150).

Summer 2001 Writer’s Institute

Presenter, David Korr
July 9–12 Register by June 25
8:30–3pm. Grade Level 4-6
Mem: \$400 Non-mem \$430. Morning refreshments/lunch included
Hampshire Educational Collaborative, Conference Room A
In this Institute, participants will survey four main ingredients in an approach to writing instruction that 1) stresses critical thinking, 2) provides creative guidance for students of varying abilities and styles, and 3) allows teachers to incorporate in a balanced way the challenges presented by the Composition component of the MCAS. 24 PDP’s awarded.
July 9: *Exploring and Practicing Uses of Group Writing*
July 10: *Designing Writing Assignments and Exercises*
July 11: *Sharpening the Writing Teacher’s Critical Eyes & Ears*
July 12: *Responding to Student Written Work*

Summer Institute: Unlocking Linear Equations

Presenter, Dr. George L. Johnston, M.I.T.
Dr. Andrew Chen, M.I.T.
Aug 13–17, Sept. 14, Oct. 19, Nov. 26

8:30–3:30pm. Free. Grade level 6-12.
WGBY, Springfield, MA

This high school mathematics institute will have two primary foci: solving linear equations in two variables, and solving systems of linear equations. Other topic areas will include graphing linear inequalities and solution space. This institute is especially designed for non-math majors teaching in middle or high school math programs. Participants will learn the content tools necessary to explain these algebraic concepts at the student’s point of readiness and through the student’s learning preference, thus meeting the needs of the diverse learning population. Participants will also receive training in adaptive strategies to make content accessible to all students.
Certifications: 48 PDP’s, 3 Graduate Credits/Fitchburg State College (\$180)

Summer Institute: Examining Features of Shape

Presenter: Jill Lester
Aug. 13–17 8:30–4pm.
Follow-up: Oct., Nov., Dec. 8:30-3:30pm
Mt. Holyoke College,
This institute, developed by Mt. Holyoke College’s SummerMath for Teachers’ project will serve K-7 teachers from the four counties of Western Massachusetts. The content focus of the institute will be geometry with specific emphasis on determining attributes of geometric objects, grouping of the attributes into properties, and eventually refining these ideas by creating geometric definitions. There will be particular emphasis on understanding what an angle is and what constitutes congruence and similarity. Participants will also explore the interconnections between 3D objects and the various ways to represent these objects in 2D. Finally, participants will develop as geometric thinkers, using their concepts and vocabulary as tools for geometric reasoning, giving them the

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background necessary to encourage the same reasoning in their students. Certifications: 50 PDP's, 2 Graduate Credits/Mt. Holyoke College (\$180)

Summer Institute: Communities in U.S. History and Government

Presenter: Tom Weiner
July 30–Aug. 3, Oct. 6, Nov. 3, Dec. 1
8:30–3:30pm Grade Level: 6-9 .
Hampshire Educational Collaborative,
Northampton,

This Institute will emerge middle school teachers in academic content drawn from the Civics and government and U.S. History strands of the Massachusetts History and Social Science Framework. Drawing on the expertise of faculty from UMASS and Hampshire College, and a museum, Historic Northampton, the Institute will provide participants with working knowledge of the historical, political, economic, legal, and demographic elements which inform community planning. Case study topics will be drawn from Core Knowledge content: northern economic system, 1900-1880; expansion, reform, and economic growth, the advent of modern America, and continuity and dislocation in the Massachusetts economy since 1845. Certifications: 48 PDP's, 3 Graduate Credits/
Fitchburg State College (\$180)

**WGBY CENTER FOR INSTRUCTIONAL
TECHNOLOGIES**

**413-781-2801, EXT. 281
WWW.WGBY.ORG/EDU**

Get Acquainted with Photoshop, Part II

Registration accepted until the day of the class on a space available basis
Presenter: Irene Stapleford and Karen Sullivan. May 22, 12:30-3:30pm

Cost: \$30 (\$15 members, \$10 community center members)
This workshop teaches participants to utilize Photoshop toolbox, filters, and palettes to learn how to manipulate graphic images for print as well as the Web. Previous Photoshop participants are encouraged to attend to refresh their skills and learn new ones. New participants are also welcome.

Turn on, Tune in, and Write Down

Presenter: Freeman Stein
May 23, 3:30-5:30pm
Cost: \$20 (\$10 members, \$5 community center members)
This lesson demonstrates how to use the Internet to access audio for sparking small group discussion and journal writing. Designed especially, though not exclusively, to help target students whose language and reading skills are not at grade level.

Filemaker Pro

Presenter: Michelle Murrain
May 23, 9-3pm
Cost: \$85 (\$50 members, \$20 community center members)
This workshop teaches the administrative and educational uses of FileMaker Pro. Participants will be able to design simple databases, reports, and simple interactive menus for accessing the database and reports. Familiarity with computer applications is the only requirement.

Exploring Muscle Action

Presenter: Jennifer Fulop
June 6, 3:30-5:30pm
Cost: \$20 (\$10 members, \$5 community center members)
This workshop highlights strategies for effectively integrating the Web, Microsoft software and video components into a science, language arts, and math-based lesson plan focusing on

the human body. It will present how students can collect and graph data and use the internet for research. The NOVA: Adventures in Science, Encarta '98 Encyclopedia and Microsoft Excel are part of the exercise.

Troubleshooting PCs

June 6, 9-3pm
Cost: \$85 (\$50 members, \$20 community center members)
This workshop will cover all aspects of working with and maintaining PC's and PC networks.

MIDDLE SCHOOL SCIENCE INSTITUTE

PLYMOUTH STATE COLLEGE

WARRANT@MAIL.PLYMOUTH.EDU

Participants will review and assess standards-based middle school science programs such as FOSS Middle School Programs; Science and Technology Concepts for Middle School (STG-NSRC); Middle School Science and Technology (BSCS); Issues, Evidence and You (SEPUP); and *FACETS*. Curricula will be examined in light of the National Science Education Standards and the New Hampshire Science Curriculum Framework. Participants will also do an assessment of their own middle school science program.

CESAME

NORTHEASTERN UNIVERSITY

617-373-8286

PPELLETI@LYNX.NEU.EDU

FOSS Middle School Summer Workshop

July 13, 2001. The Full Option Science System (FOSS) curriculum developers will lead an in-depth introduction to the Human Brain and Senses course for middle school. The workshop will include presentations by researchers in the field of medical imaging and field trips to medical imaging centers.

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**UNIVERSITY OF MASSACHUSETTS,
AMHERST**

413-545-2106

4 Summers Master of Music Degree in Music Education at UMass Amherst

where K-12 teachers can complete 33 credits toward a master's degree over 4 summers. For a schedule and more information please call Professor Roger Rideout.

June 5-28

Introduction to Music Appreciation, Ben Smar, Visiting Instructor, UMass Amherst

June 18-22

Computers in Music Education II, T. Dennis Brown Associate Professor, UMass Amherst
Graduate Music Theory Review, Carl Wiens, Visiting Assistant Professor, UMass Amherst

June 25-29

Jazz Essentials for the Music Educator, Jeff Holmes & David Sporny, Professors, UMass Amherst

July 2-Aug 1

Graduate Music History Review, Thomas Garcia, Assistant Professor, University of Western Georgia
Analysis of Music 1890-Present, Carl Wiens
20th Century: Music History, Thomas Garcia

Research in Music Ed, Roger Rideout, Professor, UMass Amherst
Assessing Music Learning, Ben Smar

July 30-Aug 3

Musicianship Skills for Teaching, Richard Grunow, Eastman School of Music.
Seminar in Advanced Choral Conducting, Wayne Abercrombie, Professor, UMass Amherst

August 2-3

Fundraising Strategies, Gene Wenner

August 3-4

Implementing the Massachusetts Frameworks, Ben Smar

August 6-17

Orff II, Penny Mahoney, Adjunct Professor, School of Education, UMass Amherst
Orff III, Liz Gilpatrick, Professor of Music Education, University of Northern Colorado

**MASSACHUSETTS DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT &
SKINNER STATE PARK**

413-584-6788 FAX 413-586-5380

Project Learning Tree and Parks as Classroom Workshop Series

Mondays, July 9-August 27

The series will role model, discuss, and present activities from the Project Learning Tree curriculum, which will help educators become comfortable with field trips to the state parks, introduce subject areas that are well-suited for study at the parks (i.e., forest ecology, land use management, tree measurement, pond life, and Massachusetts history), and take you to some of the jewels of DEM's Connecticut River Valley parks where we will develop more specific programs that meet your individual needs.

Project Learning Tree, PreK-8 Workshop.

July 9, 9-3:30 pm. Hands-on, minds-on interdisciplinary activities modeled, discussion, presentations, handouts and workbook. Notch Visitor Center at Mt. Holyoke Range State Park, Amherst. \$15.00

Forest Ecology Basics and How to Lead a Field Trip to an Outdoor. Setting

July 16, 9-2pm. J.A. Skinner State Park, Hadley. \$5.00

Mt. Tom State Reservation, July 23, 9-1pm. Holyoke- Ponds, streams, vistas, lava flows, dinosaur footprints, forests, and 19th Century history. \$5.00

Wendell State Forest, Wendell; Lake Wyola Recreation Area, Shutesbury - Beaver habitat, July 30, 9-2pm. lake, river, bog, forests and forest management, American agrarian history environmental planning, Universal Access. \$5.00

Robinson State Park, Agawam. August 6, 10-2pm. CCC-era history, forests, wetlands, animal life, civics. Filter dam illustrates science, technology and human affairs. \$5.00

Chicopee State Park, Chicopee. August 13, 9-1pm. Planted and natural forests, succession, logging, forest management practices. Class1 high hazard dam. \$5.00

JA Skinner State Park, Hadley; Mt. Holyoke Range State Park, Amherst. August 20, 9-3pm \$5.00 Volcano and earthquake, Five distinct forest types, All of American history including colonial, post-revolutionary, and industrial age social structure and recreation.

Project Learning Tree Secondary Modules. Focus on Forests and Forest Ecology. J.A. Skinner State Park, Hadley. August 27, 9-2pm. Not just for Science or high school teachers! Interdisciplinary with emphasis on hands-on activities, social action, research and decision making. \$15.00.

Certificates of completion are given and PDP's may be earned. For more information call Gini Traub.

PROFESSIONAL DEVELOPMENT OPPORTUNITIES

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**NORTHFIELD MOUNTAIN RECREATIONAL
AND ENVIRONMENTAL CENTER**
413-772-1313

Aquatic Wild

August 17, 9-3:30pm.
Fee:\$25, includes Activity Guide
For educators of children K-8.
Classroom friendly activities are designed to supplement and enhance teachers' current curricula. A special focus of this workshop will be on exploring an aquatic environment, including collecting, identifying and observing techniques. Participants will receive the Aquatic Wild Activity Guide and curriculum on exploring ponds. The workshop will include a discussion on activity alignment with the Massachusetts Science Frameworks. The workshop will take place both indoors and outdoors so please dress appropriately. Bring lunch and waterproof boots if available. Please register through the Franklin County Summer Academy by calling.

ARTS IN EDUCATION CENTER
413-585-8823
EMAIL: PVAEFDN@AOL.COM

Summer Institute 2001

July 9-13, or August 20-24,
8:30-3:30pm.
Pioneer Valley Performing Arts High School, Hadley, MA.
Attend the week long workshop, work with artists in drama, music, dance, visual arts, and learn how to integrate arts into your existing curricula. The Institute is open to both elementary and secondary teachers. 30 PDP's & \$200 stipend follow-up help is available. Contact us for an application request. Completed applications must be received by May 29th.

ZEAMAYS PRINTMAKING
413-584-1783
E-MAIL: ZEAMAYS@RCN.COM

A studio/workshop in Florence, MA dedicated to research, education and collaborations in printmaking practices that are safe for artists and the environment. We are certified by the Dept of Education to give PDPs for all our workshops and classes. Please call or email for a detailed brochure. (*Please note that cost does not include materials*)

Monotype,
Fri. 1-4pm. June 8, 22, 29 \$120
Acrylic Resist Etching,
Thurs. 6-9pm. July 12-Aug. 16 \$250
Acrylic Resist Etching,
Mon.-Wed., 10-4pm. July 16-18 \$250
Photopolymer Etching,
Sat., 10-4pm. July 21 \$150
Chine Collé,
Mon., 6-9pm. July 30-Aug. 13 \$120
Artists' Books,
Tues.-Thurs., 9:30-4pm. July 31-Aug. 2 \$400
Introduction,
Tues. 6-8 pm., July 24
Collagraphs,
Fri., 1-4pm. Aug. 3-17 \$120
Chiaroscuro Intaglio,
Sat.-Sun., 10-4pm. Aug. 18-19 \$160

**UNIVERSITY OF MASSACHUSETTS,
BOSTON**
617-287-6520
HTTP://OMEGA.CC.UMB.EDU/~CCT

Critical and Creative Thinking Summer Institute

July 13-Aug 4
Attend courses and workshops led by innovative and inspiring teachers on Critical Thinking; Science, Education and Society; and Workplace and Organizational Change. Graduate credit and PDP's available. For more information visit the web site or call.

Conferences

AMERICAN INTERNATIONAL COLLEGE
413-747-6525

The Twelfth Annual Teaching of Literacy Conference

March 15, 2002
Tomie dePaola and Mem Fox present.
Register by September 1, 2001 and save.
For more information please call.

**(NISEN) NORTHEAST INFORMAL
SCIENCE EDUCATION NETWORK**
617-695-9771
MITSWORLD.STD.COM.

The fifth annual conference for educators and administrators from informal science institutions such as museums, zoos, nature centers, and planetariums. For more information, please contact Dr. Mary Nash.

**MASSACHUSETTS PARENT INVOLVEMENT
PROJECT CONFERENCE**
617-695-9771
PGARVIN@MITS.ORG

Participants will learn innovative approaches to increasing parent involvement in mathematics, science, and technology education. The conference, sponsored by the Massachusetts Department of Education and the Museum Institute for Teaching Science, will focus on ways educators can initiate and develop connections with parents. For mor information please contact Patrice Garvin.

SUMMER PROGRAMS AND COURSES AT

UNIVERSITY OF MASSACHUSETTS, AMHERST

DIVISION OF CONTINUING EDUCATION

To request a catalogue, see www.umass.edu/contined or call (413)545-2414. Please read the entire catalogue: courses and programs of interest to teachers are listed in many sections. Summer catalogue highlights include: School of Education programs pp. 49-55, and relevant courses pp.12-16.

Leadership Institute in School Psychology: EDUC 797G

Designing and supporting effective instructional support and child study teams: Tools and strategies for effective problem solving.

June 27-July 3, (Note: this date has been changed to accommodate schools that are closing at a later date due to the number of snow days.)

Presented by Professors Gary Stoner, John M. Hintze, and William Matthews, this institute offers 3 graduate credits and PDPs. Join colleagues in school psychology, special education and general education for an exciting opportunity to learn state-of-the-art theory and best practices. Social gatherings planned to encourage relaxed exchange of ideas include an outing to the Connecticut River and a dinner with music at the University Club. Teams of psychologists and educators from one school or school district are encouraged. Living accommodations are available on campus from \$24/person/night. Last year's participants are encouraged to attend: the material covered will be different. The fee, including printed handouts, banquet and refreshments, and registration, is \$700. A week-long parking pass is \$16. For more information, call Linda Honan at (413)545-2396 or honan@educ.umass.edu.

Leadership Institute in Social Justice: EDUC 797D

Understanding Racism in the International Context - An Institute Focusing on the United Nations World Conference Against Racism. August 20-September 9, 2001. 3 days at U Mass Amherst (August 20-22, 9-5 pm), 9 days at the United

Nations World Conference Against Racism in Durban, South Africa, and 2 days traveling (August 30-September 9). 3 graduate credits and PDPs.

Professor Barbara J. Love is leading this Institute for pre-service and in-service teachers, school counselors and psychologists, and school administrators to participate.

Participants will attend the U.N. conference and special seminars at the University of Natal at Durban with local South African scholars as well as invited participants from other countries. Field trips to a township and other places of interest will be included. Tuition is \$850 and includes a banquet in South Africa. Associated costs must be borne by the participants, these include airfare and accommodations in South Africa (both the flight and accommodations will be arranged by the Institute).

Accommodations on the Amherst campus are available from \$24/person/night. Non-refundable deposit of \$500 must be received by July 7, 2001. For more information, call Linda Honan at (413)545-2396 or honan@educ.umass.edu.

History Institutes

Three week-long intensive classes are offered for high school history, social studies and literature teachers. Each offers 4 graduate credits and PDPs. Fee is \$175 per credit. For additional information contact Prof. Bruce Laurie at 413-545-6771 or or Thomas Holme at 413-545-1330 or holmeiii@history.umass.edu.

HIST 596A: American Conversations. This discussion of primary sources is designed to address the Mass.

Curriculum Frameworks and Comprehensive Assessment exams for core knowledge. The chosen sources invite students to engage in conversations with earlier Americans about enduring themes of race relations, politics and family life.

HIST 596B: Medieval Civilizations. This course will survey and compare three "successor" civilizations of the Classical (Greco-Roman) world: Latin Christendom, Byzantium, and Islam, in the millennium ca. 500- ca. 1500 A.D. Contemporary "medieval" cultures in Asia, Subsaharan Africa and the Americas will also be examined. **HIST 596C:** Colonialism - The African Experience. This course will focus largely on the development of colonialism in Africa and the transformation of trade and agriculture from 1700 to 1900. The vicissitudes of decolonization will be studied in the second half of the course.

The History Institute, in a partnership with the Massachusetts Foundation for the Humanities, is pleased to announce two workshops to encourage the use of documents in the classroom

Voices from Three Centuries: Through the use of papers from the Porter-Phelps-Huntington House, teachers will work with first-person accounts of life over the past three centuries. July 16-20.

Agents of Social Change: Participants in this program will work with the Sophia Smith collection of papers from six prominent women activists. July 23-27

Both programs are a week-long and will earn PDP credits. Fee \$45.

SUMMER PROGRAMS AND COURSES

CONTINUED

Summer-Fall Certification Option in Secondary Science and Mathematics

This new option allows students who are interested in teaching science or math to complete the Secondary Teaching Education Program (STEP) in a shorter timeframe - one summer and one semester. It is a route for people who already have a degree in science or math, as well as for math majors/juniors and seniors at the Five Colleges. This option consists of full-time coursework and field experiences over the summer, and full-time student teaching for the Fall 2001 semester. This is an intensive program, including full days and some evenings. It is designed to allow a student to complete all certification requirements in six months of study. For information and an application, contact the STEP office at 413-545-4397.

Master of Education for Science Teachers

This program is offered to elementary and middle school teachers in the Springfield Public Schools and the Pioneer Valley, with classes held in Springfield after school hours. The program enhances knowledge of science teaching methods and content knowledge, and prepares middle school teachers for certification as General Science 5-9 teachers. Both middle school and elementary school teachers in the program will be working toward a master's degree. Fee is \$200 per credit. Two graduate-level science education courses are offered each semester. For information, contact Professor Kathleen S. Davis, Program Coordinator, at (413)577-2317 or kdavis@educ.umass.edu, or Linda Honan, K-12 Academic Outreach, School of Education, at (413)545-2396 or honan@educ.umass.edu.

Preparation Workshops for the Massachusetts Educator Certification Test (MECT)

The MECT test date for summer 2001 is June 16. U Mass is offering a series of workshops to prepare educators for the Communication and Literacy Skills (CLS) portion of the MECT. Spring workshop dates are: Overview workshops: May 17 and June 6, 7-9:30 pm, Room 20 Furcolo Hall; fee \$40. B - Intensive six-hour Saturday workshop, May 19 and June 9th, 9a.m.-4 pm in Furcolo Hall; fee \$120. Skills Development Multi-Session Workshop, June 5, 7, 12, 14, 7-9 pm. in Room 20, Furcolo Hall; fee \$150. Pre-registration is required. A \$5 advance registration fee is payable for all classes, \$10 for registrations after noon on the day preceding the day of class. To register, call Joan Zabawa at (413)545-2701 or come to Room 125A Furcolo Hall.

Post-Baccalaureate Teacher Certification

This program offers experienced, nontraditional students who already have a bachelor's degree in the liberal arts or sciences, an opportunity to become certified to teach in Massachusetts. Admission is available in a wide range of fields. Information and application available from the School of Education at (413)545-2701, or from the Secondary Teacher Education Program (STEP) Advising Office at (413)545-4397.

Integrated Day Program Master of Education/ Certificate of Advanced Graduate Study (CAGS)

For in-service teachers in the Holyoke/ South Hadley/Chicopee/West Springfield/Springfield area, this program offers courses in South Hadley and Holyoke, and leads to either a Master's

degree or C.A.G.S. Certificate. Courses offered may include: Cooperative Learning, Integrating Curriculum, Brain-based Curriculum, Issues in Children's Literature, and Mentoring. For information, contact Masha K. Rudman at (413)545-1116 or rudman@educ.umass.edu.

180 Days in Springfield Project Master of Education

This is a site-based, collaborative teacher education program between the Springfield Public Schools and the University of Massachusetts Amherst, for graduating college seniors and college graduates with baccalaureate degrees. The program provides a year-long educational experience for new teachers in a diverse, urban school environment, and leads to a Master of Education degree and Massachusetts Provisional certification (reciprocal in 34 states). For information, contact the 180 Days Project at 413-545-1574 or p180days@educ.umass.edu.

Interdisciplinary Certificate of Advanced Graduate Study in Education Reform (I-CAGS)

This program offers a unique opportunity for master's-level teachers K-12 to advance their professional standing. A rigorous, coherent program lasting two-and-a-half to three years, the I-CAGS includes an action research project, and variable-credit graduate level courses in the arts and sciences and professional schools, with links to district school improvement plans and to the Massachusetts curriculum frameworks. For information, contact Linda Honan, K-12 Academic Outreach Manager, School of Education, at (413)545-2396 or honan@educ.umass.edu, or www-unix.oit.umass.edu/~gradreg/grad2.html.

STEM

Pathways to Change 2000, 2001, and 2002 By Mort Sternheim

“Pathways to Change 2001, A Research Conference on Science and Math Teaching and Learning,” will be held at UMass, Amherst in the Lederle Graduate Tower, June 28. The first Pathways conference, held last June at Hampshire, attracted almost 100 participants from over 20 colleges and many school districts. “Pathways to Change International” will be held next year (April 18-21, 2002) in Arlington, VA, just outside Washington DC.

These Pathways events are sponsored by STEMTEC, the collaborative dedicated to producing more and better prepared K12 math and science teachers. The original collaborative included the Five Colleges and the three nearby community colleges; it subsequently expanded to a total of 21 colleges from around the state. We offered a series of summer and academic year institutes designed to help a total of 175 college faculty adopt modern inquiry-based pedagogy in their courses for future teachers. Fifty-three school faculty also participated in the institutes, serving as pedagogy experts and facilitating student teaching experiences and practica.

The conferences allow STEMTEC participants and others in the community to report on their course modifications, student teaching experiences, new assessment methods, new teacher education programs, educational research, and the like. Next year’s big meeting in Arlington will be cosponsored or endorsed by at least eight professional societies, and will be funded in part by the National Science Foundation.

Sessions for Pathways 2001 include:

Nancy Cohen, Nutrition, UMass
Nutrition Courses Online for Teachers and Gen Ed Students

Randy Phillis, Biology, UMass
Asking the Right Questions in an Age of Technology: Student Active Learning

Sue Pac, Powder Mill Middle School
Science Overnight Celebration: 3 successful years

Kenneth Levasseur, Mathematics, UMass Lowell, *MAA Journal Problems in Mathematics Professional Development*

Otto H. Muller, Physical Sciences, Alfred University, *The Physical World: Two Years of Innovation*

Daniel Nomishan, B. Bourbeau, M. Tessier, and R. Pollack, Education, Fitchburg State College, *Assessment of Science and Mathematics Learning: The Case for Inclusive Classrooms*

Julian F. Tyson, Chemistry, UMass, *Problem-based, cooperative learning situations in the analytical chemistry teaching laboratory and classroom: Making the most effective use of class time?*

Amy Wolpin, Marks Meadow Elementary School, *Beyond Corrections: Students Revise Their Math Solutions*

Everyone is welcome to attend both Pathways conferences. There is no fee for Pathways 2001; everything is provided, including lunch. However, registration is required. Contact Eugenie Harvey, 413-545-1290, eharvey@k12s.phast.umass.edu. Information on submitting papers for both conferences and registration information for the gala 2002 event are on our web site, <http://k12s.phast.umass.edu/pathways>. Everyone who is interested is invited to submit papers and to attend.

Resources

Online Science-athon

Attend the online science-athon and learn how to incorporate web technology into your core science curriculum. Visit scithon.terc.edu, or contact judy_vesel@terc.edu.

PBS Mathline

PBS’s online resource for K-12 math teachers. Search on this online video library to learn new methods of instruction and download comprehensive lesson plans free of charge. Visit PBS.org/mathline/

Tangled Roots

Hosted by the Gilder Lehrman Center for the Study of Slavery, Resistance, and Abolition at Yale University, this project has brought together over 200 documents and other items related to the history of American slaves and immigrants from Ireland and the links between them. Visitors may browse the archive of speeches, legal documents, letters, interviews, cartoons, and articles by author, subject, date, and document type. <http://www.yale.edu/glc/tangledroots/>

What is up in the Environment?

Thirteen/WNET New York is teaming up with the National Environmental Education and Training Foundation to create our latest multi-media projects for the classroom: WHAT’S UP IN THE ENVIRONMENT? Focusing on land, water, and air in urban, suburban and rural communities around the United States, the project will introduce students and teachers to experts working within the field. Stay tuned to future wNetSchool bulletins for further information about the teacher’s guide, video, Web Project, and teacher training workshops! Look out for calls in our future bulletin to be one of the 50 classrooms selected to participate in the Web project.

WGBY

WGBY Education Services

It is a busy summer at WGBY Education Services and the computers and VCR are humming in the Center for Instructional Technologies. Check the CIT web site at <http://www.wgby.org/edu/cit> for the most current list of workshops and programs that are in the works and videos that you can borrow to preview and evaluate before the school year begins again.

TeacherLine arrives

Responding to a critical need for teacher training in the “wired age”, PBS TeacherLine is the newest professional development initiative that WGBY is bringing to educators in the region. PBS designated WGBY Education Services as a pilot site for this comprehensive online academy and we are building a regional partnership that will support the delivery of TeacherLine.

WGBY, in partnership with HEC and PALMS, will link our region’s resources and training skills with those of PBS, NCTM and ISTE to create and deliver a comprehensive suite of digital professional development to help teachers meet state and national standards for technology integration. For a number of years WGBY was very successful in implementing MATHLINE in the region and now TeacherLine will take distance learning one step further as it becomes a new model for e-learning. Teacherline, designed to be a Web-based community center including formal and informal online professional development resources and tools will offer school districts and higher education a NCTM Virtual Academy with instructional modules and will develop the first online certificate in mathematics using the NCTM Principles and the ISTE New Educational Technology Standards for Teachers.

Intel Teach to the Future

WGBY Education Services is proud to add the Intel Teach to the Future Program for New England to its list of resources for the region’s classroom teachers. Kudos to Karen Sullivan, the Director of the CIT, as she is also Project Coordinator for New England and has been instrumental in recruiting 130 “master teachers” for this extensive training opportunity. To learn more about the Intel opportunity and who is involved, visit the Web site (<http://www.wgby.org/edu/itf>)

Become a Member... of the CIT

The WGBY Center for Instructional Technologies is open to the entire educational community. Home schoolers, teachers and administrators are welcome to use our facilities and resources during scheduled drop in hours to preview our educational software, borrow videos from the WGBY Lending Library and use our equipment in the computer lab. Drop-in hours are always free and do not require membership and parking is available in our WGBY lot. Membership in the CIT has its perks and we encourage schools, individuals and community centers to take advantage of the benefits of membership that include a number of free workshops, discounted rates on others, “Lending Library Plus Privileges”, advance notices on software and hardware demonstrations and use of our space for meetings and workshops. School, individual and community center membership rates are available online.

Not in your organizational budget? Check with a local business or civic organization—perhaps they would be willing to sponsor your CIT membership.

Drop-in ...to the CIT

Remember—We encourage you to drop-into the CIT and utilize all its resources during our summer drop-in hours of 3-5pm on Tuesday’s and Thursday’s or contact us at cit@wgby.org (413-781-2801) to make an appointment for a more convenient time.

Resources Cont’d

Taking a Stand: Pros and Cons of Forest Fires

In this interactive and multi-disciplinary lesson, students learn about forest fires and the positive and negative effects they have on the ecosystem. Students will look at real-time data and primary source documents. <http://www.thirteen.org/wnetschool/origlessons/fire/index.html>

Ecology through Rodent Control

Acting as members of the Health Department taskforce, students will evaluate the impact of the growing rat population on the neighborhood. They will research the problem and make recommendations to local officials about possible resolutions. <http://www.thirteen.org/wnetschool/origlessons/fire/index.html>

Students’ Take

This month students from The Boy’s Club investigate the effects of air pollution in “How Pollution Affects your Life” using pictorial references, video, and interviews. <http://www.thirteen.org/wnetschool/studentstake>

Nature series on the Web

A new “Nature” teacher’s guide is now available on the Web site in PDF format. The “Triumph of Life” Teacher’s Guide features lessons that explore how survival depends on having the resources to meet life’s challenges. The guide can be downloaded directly from the site at: <http://www.thirteen.org/nature/teach.html>. Also, “The Panda Baby”, debuting March 29th on Thirteen Online, will tell the story of Hua Mei, the first panda born in the United States to survive. The Web site will also take a historical look back at the life of the adventurer who brought the first baby pandas to the United States. Plus, an interactive quiz will test viewers’ knowledge of pandas.

May-September 2001 Calendar
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WORK ADDRESS

WORK PHONE

AREAS OF INTEREST

SUBJECTS TAUGHT

HOME ADDRESS (OPTIONAL)

HOME PHONE (OPTIONAL)