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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, or partner@k12.oit.umass.edu Partnership Event Line, 413/256-3626: weekly listing of events/cancellations.

Native American Series 1999-2000

Homelands and Meeting Places: Native American Peoples and History in the Upper Connecticut River Valley will come to a close on June 28 when teachers from Franklin County school districts complete a two-day curriculum development institute. The eight-session series began on October 6 and included a March field trip to the Mashantucket Pequot Museum in Connecticut. The June institute will allow teachers at both the grade level and district team level to develop appropriate curriculum units in alignment with the Massachusetts Social Studies frameworks.

The series addressed numerous subject areas, including: Identity and Persistent Stereotypes; Wapanoag history and New Perspectives on Thanksgiving; Archaeological Histories and Ancestral Homelands; King Philip's War and Its Aftermath; Native Communities and Lives in 18th and 19th century New England, and Native Survival and Continuing Resistance. Faculty have included five college faculty, K12 teachers who have a long history of involvement in teaching Native American studies, Museum Educators, and Native American community leaders.

Ideas for curriculum development generated thus far include focusing on values and cultures by looking at how different groups of people view the same transactions, using primary documents, and creating maps/timelines with places and dates. Elementary school teachers have been the most challenged to figure out how to use the information in their classrooms. As one elementary teacher put it, "I want to find a way to present

authentic documents to them without getting major league blank stares."

Formative evaluations have confirmed one of the things we like best about the Partnership: the strength of college and K12 faculty collaborations. One participant said, "I am astounded by the energy and commitment of everyone involved; I really appreciate that."

In addition, other comments on the series noted the power of personal stories as a learning tool and that "old stereotypes still have immediate, powerful, and negative consequences."

The series was made possible by a Mass DOE Goals 2000 grant to the Gill-Montague Regional School District. The Partnership would like to thank all of those who have made the 1999-2000 series so successful: the Superintendents and administrators of Franklin County districts, the 32 participants, Claire Carlson and Lynne Manring who have coordinated the series, and all the presenters and guest speakers.

An Interdisciplinary Approach to Heritage Education Reading and Writing about History

by Margaret Piatt and Jane Schwerdtfeger

Adapted from an article that appeared in History News (Jan./Feb. 1991).

If you grew up in central New England, your first trip to Old Sturbridge Village was probably with your elementary school class. Many teachers select this re-created 1830s historical community for a field study to enrich their social studies curriculum. Students may spend a day at Old Sturbridge Village in a variety of ways, often engaged in specially designed activities.

Classes are divided into groups of 10-12 so students have better access to exhibits and a more personal experience while visiting the Village. Teacher and parent chaperones may lead self-guided tours, or teachers may choose to have the tour escorted by a museum teacher. In order to focus the students' investigation of life in early New England, the classroom teacher chooses an overall theme of family, work, or community. Classes may also take part in a hands-on activity at the museum's Education Building. In studio spaces furnished with reproduction artifacts such as farm tools, a printing press, or kitchen equipment, students experience first hand what it might have been like to be a farmer, "mechanic," or homemaker in the early 19th century. Hands-on exploration helps students connect personally to what they experience in the museum; they can imagine more vividly what life was like 170 years ago.

Over the past 30 years, Old Sturbridge Village has provided teachers with a variety of training programs and materials to assist them in integrating an exciting and successful field study into their existing curriculum. The museum offers regular workshops for teachers before they visit with their classes. Seasonal seminars and longer summer institutes provide opportunities for intensive study and lay the foundation for collaborative programs with teachers and school districts. For example, teachers of students in grades four through six are always interested in finding new ways to expand the Sturbridge experience. The Reading and Writing about History program, one of our more successful museum/school partnerships, is designed to meet teachers', administrators', and national and state curriculum framework goals. This program strengthens basic skills and uses new approaches to integrate critical thinking skills with reading and writing in the social studies curriculum.

One sixth grader sums up the experience. "You make it fun, and we learn a lot. I'm even keeping a journal. In just one day I have three pages. History can be more than famous people. It's not just gone and forgotten. I know I'm a part of it now."

Resources

Beyond the Textbook: Teaching History Using Documents and Primary Sources, by David Kobrin, examines engaging students in learning and talking about issues. Teachers are urged to think collaboratively and critically.

Teaching World History: A Resource Book, edited by Heidi Roupp, discusses modern approaches to world history education, including lesson plans and models for comparison.

People to People Ambassador Programs is developing a delegation of mathematics educators to visit South Africa in November of 2000. People to People is a private-citizen effort, founded in 1956 by President Eisenhower to improve communications among citizens of all countries. Contact Janet LePage, Program Coordinator at People to People Ambassador Programs for more information at (800)669-7882 or (509) 534-0430, x 406; by email at Janet.LePage@ambassadors.com

Update on Last Month's Cover Story

The NASA Goddard Space Flight Center program that Peter Shaughnessy reported on in last month's issue continues locally, as three elementary schools, the middle school and the high school in Northampton participated in collecting soil samples for the program. The samples are on their way to Wallops Island to be paced in canisters for the space flight. The blast-off date is August for the Orbiter Space Shuttle and the local samples of soil!

web resources

<http://www.glef.org/edutopia/newsletters/spring200/index.html>

The most recent George Lucas Educational Foundation newsletter features articles on the Digital Divide in schools and community technology centers, and through creative partnerships.

<http://www.pbs.org>

PBS now has companion sites for two American Experience films: "America 1900" and "Eleanor Roosevelt." Audio clips and timelines are available, as well as classroom materials.

<http://www.myhistory.org>

This free searchable database finds items such as curriculum units, lesson plans, and other material including primary sources. Users can search by keyword as well as grade level. The materials come from a variety of sources.

<http://www.iharvest.com>

This program helps you create your own collection of web pages that you can annotate on a single page and search. Flash, audio files and spreadsheets are including in the storage ability. (From the Scout Report, Copyright Internet Scout Project 1994-1999.)

http://www.emory.edu/LIVING_LINKS

This website hosted by the Yerkes Regional Primate Research Center at Emory University examines the four extant great apes in order to reconstruct human evolution and compare humans and apes. In addition, the site provides general information on apes.

<http://www.letstalkscience.uwo.ca/mission/index.html>

This website is a partnership between university graduate programs in science and public schools in Canada. The fourteen sites around Canada involve teachers and graduate students collaborating on science teaching.

Partnership News

The year is almost over, and we hope your summer brings some rest, relaxation, and rejuvenation. We look forward to seeing you in Partnership activities during the summer and next fall.

STEMTEC participants traveled to Washington in early April for our "reverse site visit" with the National Science Foundation. We thought the visit went well and received informal feedback that NSF is pleased with our progress. In addition to the PIs, the Washington contingent included Deans Linda Slakey and Bailey Jackson; Sharon Palmer, Student Services Director; Pat O'Hara, Amherst College; Nancy Rapoport, Springfield Technical Community College; Sheila Browne, MHC; Portia Elliot, Director of Mathematics Education at the UMass School of Education; Christine DeRunk, STEMTEC Teaching Scholar, UMass; Chris Emery from Amherst Regional High School; and Linda Selleck from South Hadley Middle School. Many thanks to all of the faculty, students, and administrators who helped us prepare for the trip by attending our dress rehearsals.

STEMTEC will be sponsoring its first annual professional conference on June 28 and 29 entitled, Pathways to Change. Sessions include: Research on Teaching and Learning of Science and Math; Effective K-16 and Community Collaboration; Student-Active Approaches that Work; and Technology as an Aid to Learning. The conference is open to all who wish to attend, but pre-registration is required. If you are interested in attending, please contact us at the Partnership office. In addition to the summer conference, STEMTEC will host its second annual statewide institute in July.

On May 24, the Partnership will complete the first series of Teachers as Scholars seminars. We received excellent feedback from both faculty and from seminar participants. Look for our next round of seminars which will be announced in the fall issue of this newsletter.

Our "not so good news" this time is that the NEH grant for a national history project did not receive funding. We tentatively announced in our last issue a summer institute on "The American Revolution and American Peoples: A Comparative Inquiry." NEH gave the collaborative proposal very high marks, but apparently there simply was not enough money to go around. The planning committee has done such good work we are not likely to let this one go, so keep your fingers crossed for next summer. We do plan to return with this idea.

As the year ends, there are the inevitable leavetakings. Tony Serio, a former member of the Partnership Steering Committee, has moved to the Canton, Connecticut School district. We miss him and wish him all the best, as we also welcome Bill Erickson to the Partnership Steering Committee.

Sue Thrasher

PARTNERSHIP COORDINATOR

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.

SUMMER INSTITUTE

AMHERST AND PELHAM PUBLIC SCHOOLS

Contact: Rena Moore (413) 253-3595
moorer@arps.org

Linking Mathematics and Technology/
Engineering

Dates To Be Announced

30 spaces available, teams encouraged
to apply

Marks Meadow School, University of
Massachusetts Amherst

Grades 3-6

87.5 PDPs, optional charge for 3
graduate credits

In this institute offered by the Massa-
chusetts Department of Education,
participants will develop projects that
will allow students to use their
mathematical skills to design their own
projects to solve specific problems.
Participants will represent and solve
problems using models and apply
geometric properties and relationships
to their designs. They will also
evaluate various designs using data
they have collected, and develop
standards and measures of quality for
their designs.

CONNECTED MATHEMATICS PROJECT (CMP)

617-373-7965, JDEVOE@LYNX.NEU.EDU

Summer Institute

M-F, July 10-14, 8:30-4

Attleboro, MA

\$450/person/workshop

Five days of five different workshops
are offered which will focus on
deepening teacher content knowledge
and enhancing teacher strategies. The
curriculum is designed to develop
student knowledge and understanding
and is rooted in connections among

mathematical strands, mathematical
ideas, and the real world.

FRANKLIN COUNTY PROFESSIONAL DEVELOPMENT SUMMER ACADEMY

413-772-1312

*Registration for Franklin County teachers
ends June 9, 2000. Area public and private
schools will then have the opportunity to
register participants on a fee basis. The
following is a sampling of available offerings.*

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

July 31-Aug 4, 8:30-3 plus follow-up
sessions

Greenfield Community College

41 PDPs or 3 grad credits, Fitchburg
State College (\$170)

Grades 6-9

Shirley Gilfether, Hampshire Educa-
tional Collaborative, Presenter
Participants will focus on the standards
that drive their instruction. The
various aspects of a differentiated
classroom will be introduced, and
participants will have practice using
them in planning standards-based
instruction. Participants will develop
lessons and units to be used in the
classroom setting. Follow-up sessions
will provide additional support for
lesson and unit development as well as
introduce other resources, materials,
and strategies for classroom use.

Learning Theory and Behavior Management Techniques

July 31 - Aug 4, 8-12:30, plus follow-
up sessions

Greenfield Community College

37 PDPS or 3 Grad Credits, Massachu-
setts College of Liberal Arts (\$45/
credit, optional)

\$145 per person and grad fees if
applicable

Gordon Parker, Ed.D., Licensed
Psychologist, SPED Director, Pioneer
Valley Regional School District
Participants will gain a basic under-
standing of behavior management
techniques. Participants will demon-
strate their understanding of the basic
principles of learning theory and
behavior management techniques by
taking an examination until they
achieve a perfect score. Participants
will be required to present the design
of a detailed behavioral intervention;
the intervention will be presented
orally to the class.

Enhancing Literacy with Reading and Writing Workshops

Aug 7-10, Aug 14-17, 8-12, Greenfield
Community College plus follow-up
session

Grades K-4

40 PDPs or Grad Credits, UMass
\$220

Jane Pierce, University of Massachu-
setts, Presenter

Throughout the course, participants
will be asked to examine the theory
and practices of literacy workshops
and compare and contrast this
approach to teaching to their current
teaching practices. Participants will
incorporate their district curriculum
and the Massachusetts Frameworks to
create a literacy implementation plan.

Inclusion

Aug 7-11, 8-4, with follow-up
Greenfield Community College
45 PDPs or 3 Grad Credits, Mass
College of Liberal Arts
\$60, (\$45/credit, optional)

Kristen Gordon, Central Berkshire
Regional School District, Presenter
This course will cover the following
areas pertaining to inclusion: assess-
ment of participants' knowledge of
inclusion; history, definition, the law,

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value; structure and set up; paraprofessionals; curriculum modifications; Occupational and Physical therapy; Speech and Language therapy; use of consultation; building an inclusive environment; sensitivity activities; gifted and talented population; grading; overview of specific special needs (reading and writing disabilities, autism, behavioral difficulties, mental retardation, attention deficit disorder) and parents.

Developing Math Ideas – Examining Features of Shape

Virginia Bastable, Mount Holyoke College

Aug 7–11, 9–3

Greenfield Community College
25 PDPs

K – 7 (8)

Participants will examine aspects of 2D and 3D shapes, develop geometric vocabulary, and explore both definitions and properties of geometric objects. The seminar includes a study of angle, similarity, congruence, and the relationships between 3D objects and their 2D representations.

Cooperative Adventure

July 31-Aug 3, 9-3

20 PDPs

\$48

Mohawk Trail Regional High School
Ann Goodell, Chairman, Physical Education Department, Mohawk Trail Regional High School

This four-day will be held on the Mohawk Trail Adventure Course.

Through group games, initiatives, and low rope elements, one builds cooperation, develops communication skills, and enhances problem-solving skills.

It also allows one to experience some of the fears that students face when confronted with a new challenge in the classroom. Handouts will include games and initiatives that can be easily

used in the classroom to help build cooperation and support within the class. This is also an opportunity to network and exchange ideas and activities one may have found successful in one's classes. Bring brown bag lunch daily.

Explosive Recognition and Bomb Threat Procedures

Aug 18, 9-12

Greenfield Community College
Open to Teachers, School Administrators, Custodians, Superintendents, School Safety Personnel

3 PDPs

Free

This class is conducted by the Massachusetts State Police Bomb Technicians assigned to the Office of the State Fire Marshal. It is designed to provide instruction in the best course of action when confronted with a bomb threat or responding to an incident involving a suspected explosive device. This class will also assist in formulating a plan of action to respond to bomb threats and suspicious packages.

HAMPSHIRE EDUCATIONAL COLLABORATIVE

800-278-4244

WWW.COLLABORATIVE.ORG

Summer 2000 Writing Institute

The Effective Writing Teachers,
Grades 4-6

W-F, July 19-21, 9-2:30

HEC Conference Center,
Northampton, MA

Member \$330, nonmember \$405

Exploring and Practicing Uses of
Group Writing, Designing Writing
Assignments and Exercises, and

Responding to Student Written Work

are the three areas for exploration over the three days. Class is limited to 15 participants, who will be asked to share

assignments they have used and examples of their students' writing with the group.

HARVARD GRADUATE SCHOOL OF EDUCATION

800-545-1849

The Project Zero Classroom 2000 Views on Understanding

July 29-Aug 4

Harvard Graduate School of Education

Cambridge, MA

\$995 includes tuition, a resource binder, all instructional materials, daily refreshment breaks, and two social events.

Project Zero was founded to study cognition and development in the arts. Five areas of Project Zero's research will be drawn upon to explore understanding: The Teaching for Understanding Framework, Multiple Intelligences Theory and Practices, Classroom Cultures of Thinking, Alternative Assessment, and Learning with and Through the Arts. Three types of sessions comprise the program (plenary sessions, mini-course, and study groups).

MASS DEP'T OF ENV'L MANAGEMENT

WGBY CENTER FOR INSTR'L TECH.

413-584-6788, GINI TRAUB

Trees, Forests and Technology: In the Field and in the Classroom

July 18-19 All Day

How can you integrate a walk in the woods with a visit to your school's computer lab? During this summer workshop, foresters and educators will take a group of middle school teachers on discovery and discussion-based walks through the woods. Topics covered will include trees, forests,

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forest ecology, technology, management and related classroom activities. Hands-on training at the CIT will help you to integrate your field experience with educational technology that you can use in the classroom. Wear clothes suitable for forest walks and be sure to bring water and insect repellent. In the event of a downpour, the event will move indoors. Continental breakfast, lunch, PDP's and transportation to the sites provided. Specific plans will be sent to participants upon registration.

MUSEUM INSTITUTE FOR TEACHING SCIENCE
(MITS)
617-695-9771

Summer Teacher Institute

July 10-21, 9:30-3:30, plus two call back dates during the school year
Various museum locations
\$50

The Institute will explore, among other issues, how science teachers and scientists utilize some of the major scientific discoveries of the past century, and how changes in students' scientific thinking and scientific methods can be produced. Teams are encouraged to apply.

NORTHFIELD MOUNTAIN
413-659-3714

Orienteering Teacher Workshop

Th, Aug 24, 9-4:30
\$35

Join the Northfield Mountain instructors as they introduce you to orienteering, a versatile, exciting and inexpensive activity. You can modify orienteering to fit any age group and blend it into a variety of classroom topics. The sport of orienteering, known as the "Thinking Sport," primarily involves map reading and

decision making. This active program includes instruction on the main skills of orienteering. We will then introduce methods of teaching. Participants will have the option to use these skills in the afternoon by experiencing an orienteering course. By the end of the day, participants will be prepared to teach a beginning orienteering unit. Participants will receive a 70 page Orienteering Curriculum Guide.

Project WET

Th, June 29, 8:30-3

\$25/person (includes activity guide)
Project WET activities are interactive, interdisciplinary and hands-on and are designed to supplement and enhance teacher's current curriculum. Participants will receive a Project WET Activity Guide, become familiar with the guides and participate in a variety of activities. This workshop takes place at Northfield. It will be co-taught by Kim Noyes, Environmental School Program Coordinator at Northfield Mountain and Jim Lafley, Education Program Coordinator at Quabbin Reservoir/MDC. This workshop is primarily geared toward educators of 2nd through 8th grade students, however all are welcome.

OLD STURBRIDGE VILLAGE DEPARTMENT OF
EDUCATION & PUBLIC PROGRAMS
SUMMER INSTITUTE FOR TEACHERS
(508) 347-3362, EXT. 285
OSVED@OSV.ORG

Exploring Family Past and Present: Reading & Writing About History

M-F, July 24-28, 2000, 9-5 and two follow-up workshops
\$250 (Curriculum package is an additional \$99)
PDPs, CEUs
3 graduate credits available at an additional cost

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. Emphasizing reading and writing with upper elementary age children, 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.

PALMS SUMMER CONTENT INSTITUTE
NORTHEASTERN UNIVERSITY
617-373-8496, SEED@LYNX.NEU.EDU

Project SEED: Science Education through Experiments & Demonstrations

W-F (eight days), July 5-14, M-Th (eight days) July 17-27, 8-4
Northeastern University

Project SEED is a Northeastern University enhancement program for middle school science teachers. It is an inquiry/activity-based science/mathematics program with a focus on the physical sciences and a strong connection to the Massachusetts Curriculum Frameworks in Mathematics and Science and Technology and to the National Science Education Standards.

PROFESSIONAL DEVELOPMENT OPPORTUNITIES

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PRIMARY SOURCE

617-923-9933

China: Ancient Civilization, Modern Challenges

July 5-25

6 graduate credits

Cambridge, MA

This three-week intensive course is open to K-12 teachers to introduce the history, literature and politics of ancient and contemporary China. Includes teachers stipends, mini-grant awards, and the opportunity for some participants to travel to China the following spring. Contact tricia@primarysource.org.

Black Yankees, New England's Hidden Roots

July 10-21

3 graduate credits

Bentley College, Waltham, MA

This two-week intensive course is open to K-12 teachers, and is designed to broaden teacher and student awareness of the significance of African American thought, vision, creativity and activism in the social, political and cultural development of this nation. In addition to engaging with leading scholars in the field, participants will become actively involved in pedagogical seminars and on-site research with specific reference to national and state social studies standards and the use of primary sources.

UNIVERSITY OF MASSACHUSETTS AMHERST

DIVISION OF CONTINUING EDUCATION

413-545-2396

HONAN@EDUC.UMASS.EDU

A selected list of summer courses for K-12 educators at the University of Massachusetts follows. For the complete listing, check our

web site, www.umass.edu/contined, or request the Summer Catalog from the Division of Continuing Education at 358 North Pleasant Street, Amherst.

You may call (413) 545-3653, or write to: Division of Continuing Education, University of Massachusetts, Box 31650, Amherst MA 01003-1650.

Leadership Institute in School Psychology: Contemporary Issues in Assessment and Intervention for Achievement and Behavior Problems

M-F, June 26-30

Amherst College

32 PDPs, 3 graduate credits

Gary Stoner and John M. Hintze, Professors

This week-long institute provides colleagues in school psychology, special education and general education an exciting opportunity to learn state-of-the-art theory and best practices.

Preparation Workshops for the Massachusetts Educator Certification Test (MECT)

Prepare for the Communication and Literacy Skills portion of the MECT by taking one of these workshops: A—Overview Workshop (two hours); MECT A1—Fri., June 2, 7-9 p.m., \$20 UMass students, \$30 all others. B—Skills Development Multi-session Workshop (4 two-hour sessions); MECT B1—Thurs., May 25, June 1, 6, & 8, 7-9 p.m., \$80 UMass students, \$120 all others. D—Skills Development Intensive Saturday Workshop (six hours); MECT D1—Sat., June 3, 9 a.m.-4:30 p.m., \$60 UMass students, \$90 all others. For information on times, fees, and registration, current University of

Massachusetts' students should call 413-545-2701; all others should call 413-545-3653.

EDUC 397L, 792L Art for Early Childhood Education

July 10-28 (three weeks), 9-12

3 credits

Martha Taunton

During this three week summer workshop, teachers of young children will be involved in discussion, reading, research and studio assignments focused on the artistic and aesthetic development of young children in the visual arts. We will review theories and research related to children's development in the visual arts, curricular and teaching approaches, the integration of art and other subject areas and appropriate art media and teaching strategies.

EDUC 497X, 697X Printmaking Studio Workshop: Monotype and Book Arts

July 31-Aug 11, 9-4

3 credits

Roseanne Retz.

During this intensive studio experience, PreK-12 art teachers will have the opportunity to develop technical expertise in monotype and book arts media, critically reflect on their own artwork and personal imagery and develop teaching materials for their classrooms. The ten-day workshop will focus on three areas: technical approaches for monotype printmaking and book arts, development of personal artistic vision and curriculum development based on the summer studio experience.

PROFESSIONAL DEVELOPMENT OPPORTUNITIES

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EDUC 513 Multicultural Conflict Resolution for Educators

June 26-June 30, 9-6 (T 9 am-9 pm)

3 credits

Leah Wing

Examine issues relating to cultural diversity, power imbalances, cooperation and violence prevention. Successful completion can result in mediation certification. Designed for teachers, administrators, and those preparing to enter the teaching profession. Meets for full day sessions over the period of one week. Prerequisite: experience with issues of diversity.

EDUC 517 Introduction to Computer Use in Teaching (R2)

June 28-July 14, 8:30-12

July 17-Aug 1, 8:30-12

3 credits

William Masalski

Designed to give students an introduction to the use of technology in elementary and secondary schools. Topics include: word processing; spread sheets; databases; graphics and drawing; telecommunications; and interactive media. Class size is limited; register early to ensure a space.

EDUC 692Z Structuring the Classroom for Success

July 8, 9, 15, 16, 22, 8-4

3 credits

Bill Matthews

The first half of the course is preventative in orientation and will focus on empirically validated methods for reducing distractions and disruptions in order to structure the classroom for the academic success of the students. The second half of the course focuses on how to assess and intervene when students engage in off task and/or inappropriate behaviors. Teachers and

school support personnel will learn specific skills for both prevention and remediation of behavioral problems in the classroom.

WGBY CENTER FOR INSTRUCTIONAL
TECHNOLOGIES

413-781-2801

Summer Workshops

Karen Sullivan

Coordinator, Center for Instructional
Technologies WGBY/57

44 Hampden Street

Springfield, MA 01103

413.781.2801

www.wgby.org/edu/cit

Drop-in hours: Every Tuesday and
Thursday, 3:30-5:30 (please arrive by
5pm). Drop-in hours are always free
and it's the perfect time for you to
drop by unannounced. Find one-on-
one help or quiet time to explore the
resources on your own.

Elementary Math and Dancing Turtles: MicroWorlds and Logo

July 6, 9-3

Mike Lipinski and Kathleen
Bridgewater, Erving Elementary
School

Participants will explore activities and lessons from Erving's "Turtle School of Dance" unit, an award winning project where students use the Logo computer language found in MicroWorlds to develop a deep understanding of fundamental geometry concepts. Participants will be challenged to choreograph a series of dances for their computer "turtle" to demonstrate a solid understanding of the geometry of regular polygons. Supported by a Lighthouse Grant from the Mass. Dept. of Education.

Integrating Science and Social Studies with SimCity

July 18, 9-3

Mike Lipinski and Kathleen
Bridgewater, Erving Elementary
School

Sim City 2000 can be a focus for an entire integrated science and social studies unit. Learn how middle and elementary school teachers can use the power of simulation software to create highly motivating and dynamic environments that allow students to experiment with models of real-world systems. The workshop will feature hands-on work with Web browsers, AppleWorks and Sim City 2000 software. Supported by a Lighthouse Grant from the Mass. Dept. of Education.

Masters of Their Universe

Aug 9, 9-12

Cindy Gould, Athol Middle School
\$30

Videos and the internet are powerful tools that you can use in the classroom. Come and learn how to use these tools more effectively through a video based lesson on insects, followed by an activity with an internet follow-up. In addition, you will learn how to develop your own video/internet based lessons.

Media Literacy Series

August 1-3, 8-12

Elaine Mokrzycki, Library/Media Specialist, Hadley Public Schools
Three one-day workshops are intended as a series for teachers and library/media specialists. Participants are asked to arrive with a simple list of online resources available to them through their school's library media center.
Day 1: Plan an Effective Research Project Using Your School's Junior/

Please contact the indicated sponsoring organization.

Senior High School Library Media Center; Day 2: Reinvestigate the Potential Resources of Your Library Media Center; Day 3: Wrapping Up Research: How to Make It All Come Together.

Systems Administration for Schools

July 11, 9-3

For Technology Leaders

Paul Wright and Michelle Murrain of Norwottuck Technology Resources \$85

This workshop will be a facilitated brainstorming session around issues central to system administration for schools. Topics to be discussed will include backup strategies, network setup and policies, and the emerging role of Linux and other open-source software. The workshop is intended for technology leaders, and attendees are encouraged to bring their most nagging problems.

Delivering Effective Technology Professional Development

July 13, 9-3

Paul Wright and Michelle Murrain, Norwottuck Technology Resources \$85

This full-day course is intended for technology leaders who are responsible for designing professional development around technology for their schools. We will talk about assessment of teacher skill level and attitude toward using technology in the classroom, effective planning of a professional development program based on the particular school context, and planning and delivery of individual workshops.

WGBY

WGBY initiated *The WGBY Girls in Technology mentoring program* for adolescent girls in Hampden County with the goal of increasing girls' computer literacy and confidence. We look forward to teaching web design skills to girls in the Smart & Alive! Program coordinated by the Children's Museum at Holyoke and later offering internships to several of these girls in our Center for Instructional Technologies (CIT). As interns, the girls will have the opportunity to work one-on-one with teachers who attend technology workshops in our professional development center. Karen Sullivan, the CIT coordinator, will coordinate the WGBY Girls in Technology Program and has extensive experience from working with the Hampshire College Science and Technology Education Partnership Program where she organized Girl's Day in the Lab and Tropics and Trails summer camp.

Summer Workshops at the CIT

The month of June will be a quiet month in the CIT as we expect teachers will be busy wrapping up the school year and preparing the students for the summer vacation. July and August is a perfect time to take advantage of the workshops that will psych you up for the Fall term! Take a look at what we have to offer and learn more about them in the Professional Development Opportunities section of this newsletter:

July 6, 9-3 Elementary Math and Dancing Turtles: MicroWorlds and Logo.

July 18-19, 9-3: Trees, Forests and Technology: In the Field and in the Classroom

July 18, 9-3 Integrating Science and Social Studies with SimCity

August 9, 9-noon: Masters of their Universe

There are also classes throughout July specifically for Technology Leaders, and we have a three-day Media Literacy Series in August for Library Media Specialists and Teachers. Please check the Professional Development Opportunities for news on these classes as well. **For more information on these great summer offerings: visit the CIT web site at www.wgby.org/edu/cit or call the CIT Coordinator Karen Sullivan at 413-781-2801.**

Stay Tuned

During the summer months WGBY Education Services Staff will be working with web folk and educators in the region to put our comprehensive database of videos for loan on the Web. The information will be searchable by grade level, subject, key word and framework strand! Check out www.wgby.org/edu/lendinglibrary during the summer months and watch it grow! Remember you can borrow videos (700 titles to choose from) during the summer to preview and evaluate and incorporate into your lesson plans.

Free drop-in hours every Tuesday and Thursday from 3:30 to 5:30 throughout the summer. Stop by and explore content-rich web sites, search our database to find software and videos that might support your classroom curriculum. Free parking available and refreshments are always on hand.

STEM

Spam, Viruses, and other Perils

by Morton M. Sternheim

We wrote in the fall newsletter about the attack on UMassK12 that occurred on July 23. Huge numbers of packets were arriving from random addresses all over the world, flooding the machine and denying access to our users.

Similar “denial of service” attacks have occurred periodically at major sites such as CNN and Yahoo, so this puts us in the same boat as some very big players. Also, since these packets requested responses to their bogus addresses, we were sending unwanted packets to all sorts of places. As we explained, adjustments were made to the system so that the incoming packets were simply ignored.

In April, UMassK12 became an unwitting conduit for Spam: unwanted e-mail messages offering get-rich-quick schemes, porno sites, etc. Someone was using our site to forward untraceable electronic junk mail to thousands of people. When this problem was discovered, Internet services downstream refused to accept any mail from us until we resolved the problem. UMassK12 had allowed anyone to forward mail as a convenience for users who connect to us via Massed.net or other services. After several attempts, UMass networking consultants managed to modify our system so that only authorized users can forward mail.

May brought a really nasty trick, the “I love you” virus. Widely reported in the media, this virus attacked anyone who used Microsoft Outlook to read their mail, and caused major damage around the world. We alerted our users to this problem, and deleted infected messages from several accounts including mine.

We can expect more hacking attempts and viruses as a price for the convenience and openness of the Internet. UMassK12 and other Internet services will have to be alert to attacks on their systems, and will install security upgrades as they become available. As a user, you can protect yourself somewhat by installing virus-detecting software (McAfee, Norton) and obtaining frequent updates from their web sites. The “I love you” virus, like many others, attacks only if you open an attachment, so be cautious about opening unexpected files. Finally, you should regularly back up your data files to protect against both viruses and hardware failures. You can always reinstall software, but when data is gone without a backup, you’re stuck. It’s no longer feasible to use floppies for backups, but zip drives, tape drives, and writeable CD ROMs are easy to use and inexpensive.

Massachusetts K12 teachers and students are eligible for UMassK12 accounts. Contact Helen Sternheim at 413-545-1908 or helen@k12s.phast.umass.edu for information.

ART EXHIBITIONS

Smith College Museum of Art

The Smith College Museum of Art is closed for renovation through 2002. Past teacher workshop packets and slides of the collection are available by calling the education department at 413/585-2779. Look for digital images on our website:

www.smith.edu/artmuseum. We look forward to future programs when we reopen.

Liz Chalfin

Associate Curator of Education

Mount Holyoke College Art Museum

Ancient Art Program

The Mount Holyoke College Art Museum will be closed for renovation from late May until January 2002. In the interim, the museum’s volunteer docents can be scheduled at your convenience to present an ancient art slide program to interested teachers in your school. This is a wonderful opportunity for you to learn more about the Egyptian, Greek, and Roman collection at the Museum. There is no charge, but five teachers in attendance are requested. Appointments may be scheduled by contacting Amy S. Dane, Education Coordinator, at 567-0929 after Labor Day. Programs will take place from February through May, 2001.

CORRECTION

In the STEM article of the last issue, Sylvia Jamros was incorrectly identified as a teacher in the Athol Middle School. She teaches at Mahar Middle School in Orange, MA. Our apologies to Sylvia.

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.

Web Design for Education

July 20, 9-3

Paul Wright and Michelle Murrain,
Norwottuck Technology Resources
\$85

This full-day course will teach how to design Web pages, with an emphasis on designing pages for a specific school or classroom project. Technology leaders and teachers will be able to independently begin the creation of Web projects for their schools or classrooms. Participants should come to this class with a specific project in mind.

Advanced Excel

July 25, 9-3

Paul Wright and Michelle Murrain,
Norwottuck Technology Resources
\$85

This workshop will present advanced features in Excel that can be used to create and customize curricular units.

SEMINARS

SCHOOL OF EDUCATION AT THE UNIVERSITY OF
MASSACHUSETTS AMHERST

413-545-1114

Teaching Mathematics with Computing

W, 4-6:30, Fall semester

Howard A. Peelle

Participants will explore uses of computing for teaching mathematics. No computer/programming experience required.

Understanding Math Anxiety and Computer Phobia

M, 4-6:30, Fall semester

Howard A. Peelle

This course addresses educational implications of math anxiety, computer phobia, and other learning dysfunctions.

Hampshire Educational Collaborative / PALMS SUMMER 2000

For more information including locations, contact Diana Norris at the Hampshire Educational Collaborative professional services office, 413-586-4900x130, dnorris@collaborative.org. Program details are also available online at www.collaborative.org/calendar.html.

Enhancing Curriculum Using Technology / for New Teachers with John Heffernan

June 29, 8:30-3:00, 6 PDPs

PALMS Summer Content Institute: Physics for Middle Level Students with Pete Letson

July 10-21, 8:30-3:30 (plus follow-up sessions), 45 PDPs / Graduate Credit Available

PALMS Science: Outside in the Wild & in Your Classroom with Bill Randolph

July 10, 8:30-3, 6 PDPs

Principals' & Administrators' Summer Institute with special guest Commissioner David Driscoll

July 11-12, 8:30-3, 12 PDPs (fee; includes lunch daily)

Principals' Institute: Developing & Implementing a Plan for Elementary Literacy

Michele Dufresne

July 13-14, 9:-2:30, 10 PDPs (fee; includes lunch daily)

When Young Lives are Shattered: Understanding & Supporting Children & Adolescents Facing Traumatic Grief

Rob Zucker

July 17-18, 8:30-3, 12 PDPs (fee; includes lunch daily)

Summer 2000 Writing Institute: The Effective Writing Teachers (Gr. 4-6) David Korr

July 19-21, 9:00-2:30, 15 PDPs (fee; includes lunch daily)

Advanced PowerPoint for Teachers & Students with John Heffernan

July 22, 8:30-3. 6 PDPs

Summer Kindergarten Institute: Literacy Skills in the Elementary Classroom

Sanford Roth

July 24-28, 8:30-3, 30 PDPs (fee; includes lunch daily)

PALMS Summer Content Institute: Achieving the Elementary Science Standards (Gr. 3-5)

Bill Randolph

July 31-August 4, 8:30-3:00, 30 PDPs

PALMS Institute: Planning for Data-Driven School Improvement with Catherine Brooks

August 14-15, 9-3

11 PDPs

SAVE THE DATE!

SATURDAY OCTOBER 7, 2000

The Connecticut River Source to Sea Cleanup is a 4-state event during which volunteers work to cleanup the 410 mile River and its tributaries.

For more information, contact:

Connecticut River Watershed Council

1 Ferry Street

Easthampton, MA 01027

crwc@crocker.com

MA (413) 529-9500; CT (860) 528-3588; NH/VT (603) 675-2518

June-August 2000 Calendar
Five College/Public School Partnership
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