



The Fralinger String Band Mimmers troupe are one of the acts providing entertainment at the Opening Reception.

The Shape of Things to Come

JENNIFER ROLAND

NECC begins with a bang this year as author and Harvard fellow David Weinberger presents the opening keynote. Weinberger will discuss the shape of knowledge and how the changes in how students view information affect the education system. "It turns out that we've organized knowledge with the same principles we use for organizing physical things," he says. "In the digital age ... we finally get past those physical limitations. But, if we change

the principles of organization, we're changing the shape and nature of knowledge."

Weinberger sees us moving from a world in which information is organized into hierarchical trees to one in which information is messier, perhaps organized in piles of leaves. In this world, information users, not just creators, sort and order information however they want.

In his keynote, Weinberger hopes he can help us understand the fundamental differences between the society in

which we learned and current society. He suggests that educators need to restructure how they present information to take advantage of the nonlinear, almost bazaar-like nature of the Web. As "gatekeepers or organizers of information, ... they may want to look into restructuring their resources — from trees to piles of leaves, from top down to bottom up (or some mix)."

We also need to keep in mind the changes in how kids work

See *OPENING*, page 2

NECC NOTES

Wireless Network

Free wireless Internet access is available in the public areas of the PACC on all levels. You may not have access in the Exhibit Hall or in any of the meeting rooms, so if you are having trouble connecting, first try going out to the hallway. *If you continue to have trouble, go to The Doctor Is In on Level 3.* The network name is pcca.

Log on instructions:

Apple — Open the TCP/IP or System Preferences: Network control panel and select Connect via: AirPort. Then set your IP configuration to DHCP. Close the control panel.

Windows — Follow your manufacturer's suggestions for selecting your wireless device, then select DHCP from your TCP/IP or Network settings.

Getting Up to Speed with Internet2

J.V. BOLKAN

You've really got to see the Internet2 in action to fully understand how this new technology will change education and the online experience forever. Thanks to service providers MAGPI and Sunesys, NECC attendees can do just that with live Internet2 demos throughout the conference.

For those who have not heard of the Internet2, it is essentially an ultra high speed version of the Internet. While many of us have benefited from the incremental im-

provements in connection speed from POTS (plain old telephone service) to DSL, cable and T1, the Internet2 represents an exponential leap in bandwidth. With speeds as high as 7.2 Gigabits per second, the Internet2 can be thousands of times as fast as current broadband connections to the standard Internet, and tens of thousands of times as fast as a modem connection.

What are the potential benefits of that blazing speed?

See *INTERNET2*, page 2

ISTE Officers, Board Honored at Digital Leadership Caucus

JENNIFER ROLAND

NECC 2005 coincides with Philadelphia's first Mayor's Digital Leadership Caucus. ISTE Deputy CEO Leslie S. Conery, President Kurt A. Steinhaus, Past President Jan Van Dam and the board of directors were honored at Sunday's event for their commitment to promoting digital equity. CEO Don Knezek presented a keynote address to the group of approximately 75 educators, students and ed tech leaders. Next, gold sponsor Pearson Education presented "Digital Divide Resources and Strategies."

ISTE's Director of Strategic Initiatives Mila Fuller moderated a panel discussion about strategies to overcome economic inequities. Participants then broke into groups to discuss such issues as identifying new financial partners, fostering leadership, increasing minority and female representation in research and development, and using technology to close the incarceration pipeline. Director of the Mayor's Commission on Technology (MCOT) Carole I. Smith and Program Director James L. Smith reconvened the attendees to conclude the day-long event.

The caucus continues the work begun with ISTE's Minority Leadership Symposium, which took place at NECC from 1998 to 2002. Symposium team members Joyce Pittman, Sylvester Robinson and James Smith came together to find a way to ensure that ISTE remained a leader in fostering digital equity. Conery was committed to supporting the cause, says Pittman, as long as Pittman could enlist support from others in the ed tech community.

James Smith was heartened to hear that ISTE recognized the importance of supporting under-served children. "All children are bright," he reminded us, but "the educational system has trained the creativity out of them" for far too long. Technology is key to fostering the creativity of today's learners.

Pittman began to look to NECC 2005 in Philadelphia as a perfect venue for a partnership. Philadelphia has the largest citywide Wi-Fi network in the world, so she knew that the mayor was firmly committed to providing affordable technology access to its citizens. After a few phone calls, she reached Carole I. Smith. Carole Smith (no relation to James Smith) said, "the decision to partner with ISTE on this project was easy" because both the MCOT and ISTE share the same goal of improving the effective use of technology in education. She sees the Digital Leadership Caucus as part of a multi-pronged effort to ensure that Philadelphia's students are educated in a way that ensures they will be prepared to join the workforce.

"The Philadelphia economy needs to stay competitive," she continued, even though many of its students are minorities and from families with low incomes. The MCOT works to foster technology integration at all educational levels, K-12 and higher ed. "Initiatives like NECC are critical in this goal," Carole Smith concludes.

INSIDE

4 Street Smart

Find your way back to your hotel with handy map.

5 What's the Buzz?

Don't miss today's important happenings.

6 Win Free Stuff

Find out how to win in My NECC of the Woods.

EDITORIAL

Student Voices Ring Out

LESLIE S. CONERY

Welcome to NECC! I hope you've come to Philadelphia ready for an exciting week full of rich learning and networking opportunities.

Every year we have a special emphasis that runs throughout the conference. It manifests itself in many ways to help to raise our collective consciousness and elevate our discussion around a group of issues, challenges and opportunities.



Leslie S. Conery

Last year the special emphasis was "Learning with and from the Global Community." This year, in keeping with our Philadelphia theme, we remind ourselves that "Student Voices are Key."

Today's youth have many ways of making their voices heard. They speak through their purchasing power, the influence they have in family decision making and their use of electronic publishing opportunities, such as blogs, chat rooms and podcasting. While educators are coming to technology-rich environments as digital immigrants (to use the imagery of our Thursday luncheon keynote speaker, Marc Prensky), students are the digital natives. They are accustomed to speaking up, and they expect to use information and communication technologies alongside more traditional learning activities.

This week you will have the opportunity to talk with and see the work of a great group of students. Drop by the "Doctor is In" booth on the third-floor mezzanine, relax at the student film festival Tuesday evening, visit the student-led free software/open source center, attend youth-led sessions and see the work of award-winning student videographers at Thursday's closing session.

As part of the student voices initiative, ISTE commissioned TakingITGlobal, an international organization led by youth, to talk to students from around the world and develop a set of recommendations for educators. Their four recommendations are straightforward and extremely powerful. You can view them at Wednesday night's social event; showings are at 6:45 p.m. and 8:30 p.m. If you are unable to attend their presentation at the National Constitution Center, please watch for the results of their work to be distributed at the closing session and available online from a link on ISTE's Web site at www.iste.org/.

ISTE Deputy CEO, Leslie S. Conery, serves as executive management responsible for the activities in the Eugene, OR, offices. She also is the NECC Conference Chair.

Opening

Continued from page 1

that the Web has brought about. Weinberger calls it "the socialization of knowledge, or sometimes as knowledge becoming conversational." Blogs and instant messaging show us that "learning is conversational and social," he says. "Our kids are doing their homework on computers, IMing with their pals."

These ideas about the changing nature of information have made Weinberger quite popular. ISTE's Deputy CEO and NECC Conference Chair Leslie Conery says, Weinberger "first came to our attention as one of the presenters in a Library of Congress series on the Digital Future. He was speaking on how blogs work and how they are valuable in children's education. With the Student Voices conference initiative, we were looking at involving students in preparing for their future, and his topic was a great fit." He has taught philosophy, founded various information-related companies and served as senior Internet advisor for Howard Dean's presidential campaign. He is a columnist for Darwin, KMWorld and Worthwhile Magazine; a regular commentator on National Public Radio's All Things Considered; and a frequent topic in Weblogs.

In addition to his academic and media credentials, Weinberger brings an irreverent sense of humor to his works. In arguing in *The Cluetrain Manifesto* (which he coau-



David Weinberger opens NECC 2005 with a discussion of the new shape of knowledge.

thored with Christopher Locke, Rick Levine and Doc Searls) that communities are the most important components of our society, he closes with, "it really does take a village to raise a child. Just like it takes a corporation to raise an ass kisser." This take on the modern world makes him an instant hit in his presentations.

Weinberger is known primarily for his maverick views on business in the Information Age. In *Cluetrain*, he argues that the real lure of the Internet is how it "connected people to each other and provided a space in which the human voice would be rapidly rediscovered." He encourages businesses to do away with the slick fliers and commercials as their main marketing vehicles. Blogs, street teams, and other Internet-based communication vehicles are much more powerful. The direct connection to the user of your products allows both sides of

the equation (the corporation and the user) to have control of the product.

He builds on this argument in his later work, *Small Pieces Loosely Joined*, saying that "The Web is a world we've made for one another. It can only be understood within a web of ideas that includes our culture's foundational thoughts, with human spirit at every joining point." These connections are what make the Web so captivating for adults and children alike.

Weinberger's keynote is followed by the gala opening reception. Tier One corporate partner Gateway is sponsoring this event, which includes a mini-parade of Mummies and the musical stylings of the Sunbeam Children's Choir and the Grover Washington Middle School jazz band. Snacks and non-alcoholic beverages will be provided. Also, make sure you catch the ISTE Awards Gala in PACC Room 201B at 7 p.m.

Internet2

Continued from page 1

For one, nearly instantaneous transmission of data. This is especially important for streaming media, such as video and music. Those who attend the demonstration on Tuesday from 2-3 p.m. in the Hall D Atrium will see what this can mean for distance learning, when an artist in Nova Scotia plays a piano in Philadelphia over the Internet2.

Using the MusicPath software created by Jim Diamond and Christoph Both of Acadia University, students from remote areas can receive interactive lessons from expert instructors anywhere in the world. Real-time control of both the keyboard and pedals is crucial to advanced training and collaboration on the piano, and the Internet2 makes this possible over great

distances. Attendees will even have the chance to play live with the remote artist!

A similar demonstration of remote device control over the Internet2 will be seen in the demo of Lehigh University's ImagiNations Program from 10-11 a.m. Tuesday in the lobby of Exhibit Hall A. Using the Internet2, K-12 students can access Lehigh's Center for Advanced Materials and Nanotechnology and use its XL-30 Environmental Scanning Electron microscope to explore the physical and chemical attributes of specimens from their own laboratory.

Later the same day, from 1-1:30 p.m., attendees can interact with Lewis and Clark re-enactors in Great Falls, Montana, and experience the Internet2's amazing potential as a medium for live, high-quality videoconferencing. This demo will be repeated on

Wednesday, 1-1:30 p.m. Also on Wednesday, 11-11:30 a.m., you can catch a live feed of the manatees housed at the Mote Marine Laboratory in Sarasota, Florida.

Bringing the Internet2 to the Pennsylvania Conference Center was a collaborative endeavor. MAGPI (Mid-Atlantic GigaPoP in Philadelphia for Internet2) actively partners with schools and research institutions to build the infrastructure needed for Internet2, while Sunesys is a provider of dedicated fiber optic networks to K-12 institutions.

Although these Internet2 demos were created just for NECC, the fiber optic cabling installed to bring the demos to the convention center will remain as a permanent enhancement for future events. For more information about Internet2 services, visit booth #116 in the Exhibit Hall.

NECC Daily Leader

An ISTE Publication

The NECC Daily Leader publishes Monday through Thursday. Offices are located at PACC Rooms 308 and 309. You can contact the editors by phone at 1.215.418.2033 or via e-mail: NDL@iste.org.

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The NECC Daily Leader is produced by the ISTE staffs of *Learning & Leading with Technology*, *Journal of Research on Technology in Education*, *Journal of Computing in Teacher Education*, and books and courseware. Between NECCs, keep informed and involved in education technology through these periodicals and books by visiting <http://www.iste.org/publications/>.

Online Communities Return

DAVIS N. SMITH

NECC has once again partnered with Blackboard, Inc., a leading enterprise software company for e-education and ISTE 100 member, to provide preconference and onsite online forums to stimulate interest and conversation before, during and even after the conference.

These electronic learning communities feature moderated discussions, virtual presentations and resource sharing by many of NECC's presenters and other subject-area experts. This year, the forum topics include:

- **Student Voices** — providing an opportunity to hear from students and to hear promising practices for involving students in creating successful learning environments.
- **Technology Integration Models** — covering strategies, models, promising practices, and evaluation for all curriculum areas as well as promising and hot technologies and including special and traditionally underserved populations.
- **Professional Development (K-12, preservice and graduate programs)** — covering all aspects of professional development. The goal is for educators involved in teacher education at all levels and types of programs to share strategies, models, promising practices, evaluation and certification programs for ensuring that all teachers, including underserved populations, meet and exceed the National Educational Technology Standards for Teachers.
- **Learning from and with the Global Community** — providing an opportunity for international educators and those interested in international projects to share innovations and promising practices within educational technology worldwide.
- **Leadership** — covering technology coordination and administration and including issues such as security, funding, NCLB and computer-based assessments.
- **Distance Learning** — covering all aspects of K-12 distance learning from Web-supported classrooms to online courses and including all methods of digital delivery.
- **ISTE SIGs** — designed for communication among the ISTE Special Interest Groups (SIGs) and to promote discussion about SIG-sponsored NECC speakers and hot topics of interest to the SIG members.

To participate in the NECC Blackboard Online Forums, go to <http://necc2005.blackboard.com>. First-time visitors must create an account with a user name and password with which to log in.

More than 800 people have created user profiles, said Adrienne Hunt, NECC co-coordinator for the Blackboard Forums. "Some of the forums are just outstanding and exactly what we've been striving for. There are many, many lurkers, people who pop in often to read but don't post."

Once logged in to the forum community, users must enroll in one or more "courses." The site is divided into four tabbed sections:

- **My NECC** — A personalized forum page that displays the forums (courses) in which the user is enrolled, community-wide announcements, upcoming events, polls, and other information.
- **Forum Highlights** — Brief descriptions and recent entries from the various courses.
- **Forums**—Full listing of each course.
- **NECC 2005** — A portal to the official NECC Web site.

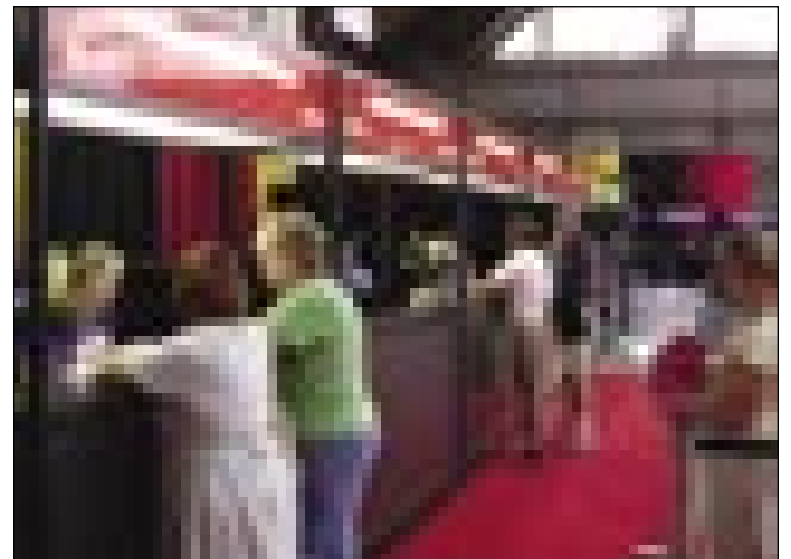
The Blackboard Forums are attracting more than 2,700 daily page views — more than 40% more than last year, Hunt said. The forums will be archived following the conference and will remain available for viewing until September 30, 2005.

NECC Attendees Feel the Love As Registration Accelerates

As NECC descends on the City of Brotherly Love, pre-conference figures suggest that the 26th annual show will be a big success. Nearly 10,500 people — including 3,400 ISTE members — preregistered for this year's conference, said Donella Evoniuk, director of NECC conference services. More than 30 percent of this year's preregistered attendees are from Pennsylvania, New York and New Jersey. Educators from other mid-Atlantic states, as well as Texas, California and Illinois, are also well represented, Evoniuk said.

Average daily Web viewer-ship in the Blackboard Forums has been more than 40 percent higher than last year. The forums will remain online following the conference. [Editor's note: See "Online Communities Return" on this page.]

Those who did not register for NECC beforehand must register at the conference itself.



Beat the crowd. Register early!

The onsite registration process is fast and easy, said Paul Katz, exhibit and registration manager.

Katz advises unregistered attendees to beat the crowd by getting to registration early today. "The hour before the opening keynote is a big crunch time" at the registration area, Katz said. He also expects the registration area to be crowded before the exhibit

hall opens at 9:30 a.m. on Tuesday morning.

NECC 2005 is supported by Tier One sponsor Gateway, Tier Two sponsors Blackboard, CDW-G, Discovery Education and InFocus, and Tier Three sponsors Cisco, the Corporation for Public Broadcasting, Intel Innovations in Education, Pinnacle Systems, Riverdeep and Texas Instruments.

— Davis N. Smith

Exhibitors Offer Money and New Products Designed to Improve Teaching and Learning

Wishes Granted

ELKS Learning, the publishing division of Total Seminars, is offering \$12,000 in grants for class sets of the company's new book, *Mike Meyers Presents: Computer Literacy, Your Ticket to IC3 Certification*. Stop by booth 258 to apply.

Total Control

Lightspeed Systems announced expanded sales of Total Traffic Control v5.03 beyond the West Coast. The network management and security software is specifically designed for the K-12 educational market. Stop by Lightspeed in booths 11 and 13.

Bank Shot

Content specialists at **Pearson NCS** have released seven mathematics item banks with more than 7,000 formative test items for grades 6-12, the first in a series of formative assessment item banks scheduled for release during the upcoming school year. Visit Pearson in booth 728.

Go for the Gold

Texthelp Systems released Read&Write 7.1E Gold, a literacy productivity program for struggling students in grades 3 and higher that allows stu-

Due to circumstances beyond its control, the **Association for Educational Communications and Technology** has cancelled its NECC partner booth on Level One of the PACC. However, Ned Shaw, AECT's Director of Marketing, will be in the Nortel exhibit booth (#2228) on Tuesday and Wednesday at 3 p.m., discussing the International Student Media Festival. On Tuesday and Wednesday morning, he will be available in the Olympus booth (#31, 33), meeting teachers and discussing student media as well.

dents with low proficiency in reading and comprehending English to use mainstream classroom software. Texthelp is in booth 100.

I, Robot

Valiant Technology unveiled its Roamer Robot, a system designed to provide students with engaging and tangible learning while enhancing their math, science and problem solving skills. The company also released a new version of MathAmigo compatible with all Windows-based computers

and handhelds. Visit Valiant in booth 322.

Model Standards

Think.com, the free online learning community funded by the Oracle Education Foundation, will showcase nine new NETS-aligned lessons intended for use across the K-8 curriculum. Oracle and ISTE co-developed the lessons to provide clear instructional models for using Think.com to meet technology and curriculum standards. Think.com is in booth 952.

Miss a great session?

eSchool News has you covered!

eSCHOOL NEWS

Read educators' session reviews in the eSN Conference Information Center.

<http://www.eschoolnews.com/cic/>

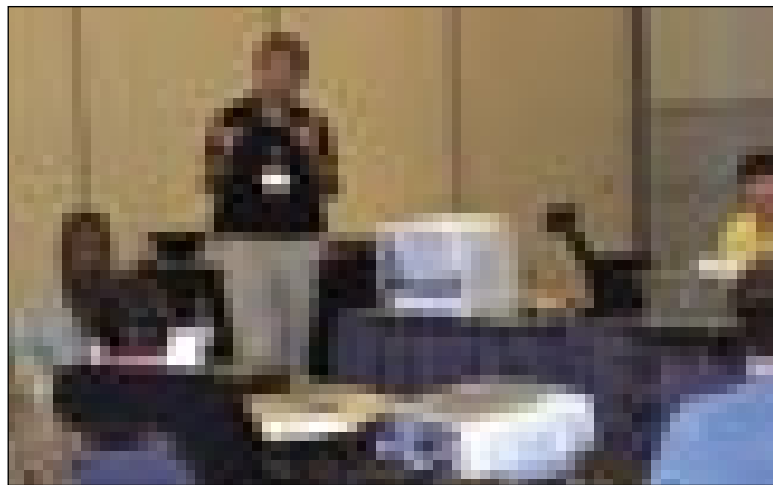
SESSIONS & WORKSHOPS

Missed a Workshop?

Don't worry. Many NECC 2005 sessions, workshops and keynote addresses are being Webcast and archived and will be available all year long. Kidz Online will make the video-on-demand sessions available within 24 hours after the live Webcast. They will remain available through June 27, 2006.

A complete listing of the scheduled events for Webcasting is available online at <http://center.uoregon.edu/ISTE/NECC2005/program/webcasting.php>.

Kidz Online is a nonprofit educational organization whose mission, vision and values are dedicated to preparing K-12 students and teachers to live and work in the information age through peer-to-peer technology training distributed using advanced digital technologies. To accomplish this, Kidz Online provides hundreds of free streaming videos and lesson plans. Free registration at the site allows users the ability to download these resources for use on their local computer systems and networks.

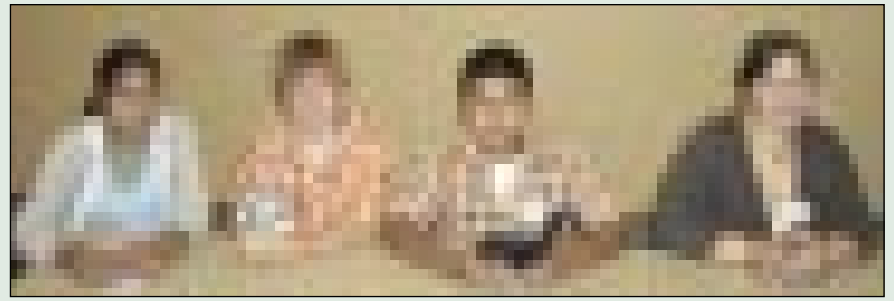


Early attendees enjoyed the Technology Leaders' Resource Forum on Sunday, put on by Tim Landeck and Doug Prouty.

Handhelds: Motivating Students, Teachers, Administrators

The adults were still busy setting up, but the student presenters seemed quite composed and prepared. After posing for their parents in front of the workshop sign with their names, the students sat in the meeting area calmly tinkering with their PalmOne handhelds.

Candice, a sixteen-year-old high school junior, eighth-graders Austin and



Students show educators how accessible Palm technology can be. From left are Maria, Austin, Oro, and Candice.

Oro, and seventh-grader Maria demonstrated how they use their handhelds for a variety of educational applications.

Performing their well-rehearsed presentation nearly

flawlessly to a relatively large and appreciative workshop group, the relieved students were already focusing on three days of fun, adventure and learning in Philadelphia.

Learn from the Leaders in the Spotlight Sessions

Spotlight sessions are a special type of concurrent session.

Offered in an easy to schedule, one hour format, the spotlight sessions feature recognized leaders in educational technology.

Spotlight Speakers will

include such luminaries as ISTE's CEO Don Knezek, who will host an informal discussion panel during his session. Other sessions also feature prominent leaders from NECC's corporate Tier One and Tier Two sponsoring companies. Most of the spotlight sessions are scheduled for

Tuesday and Wednesday with a few scheduled for Thursday. They begin at various times throughout the day. Find specific topics and sessions in the Final Program or check the NECC Web site to browse through all the wonderful choices.

—compiled by J.V. Bolkan

Don't Get Lost: Information to Guide You

Hotel Map

Keep this map handy during the conference to help you find your hotel once you leave the building in the evening. If you don't feel like walking, you can catch one of NECC's complimentary shuttles.

Shuttle Schedule

Shuttles depart conference hotels and the PACC every 15 minutes. At the PACC, shuttles pick up and drop off passengers at the Transportation Loading Zone on 12th Street.

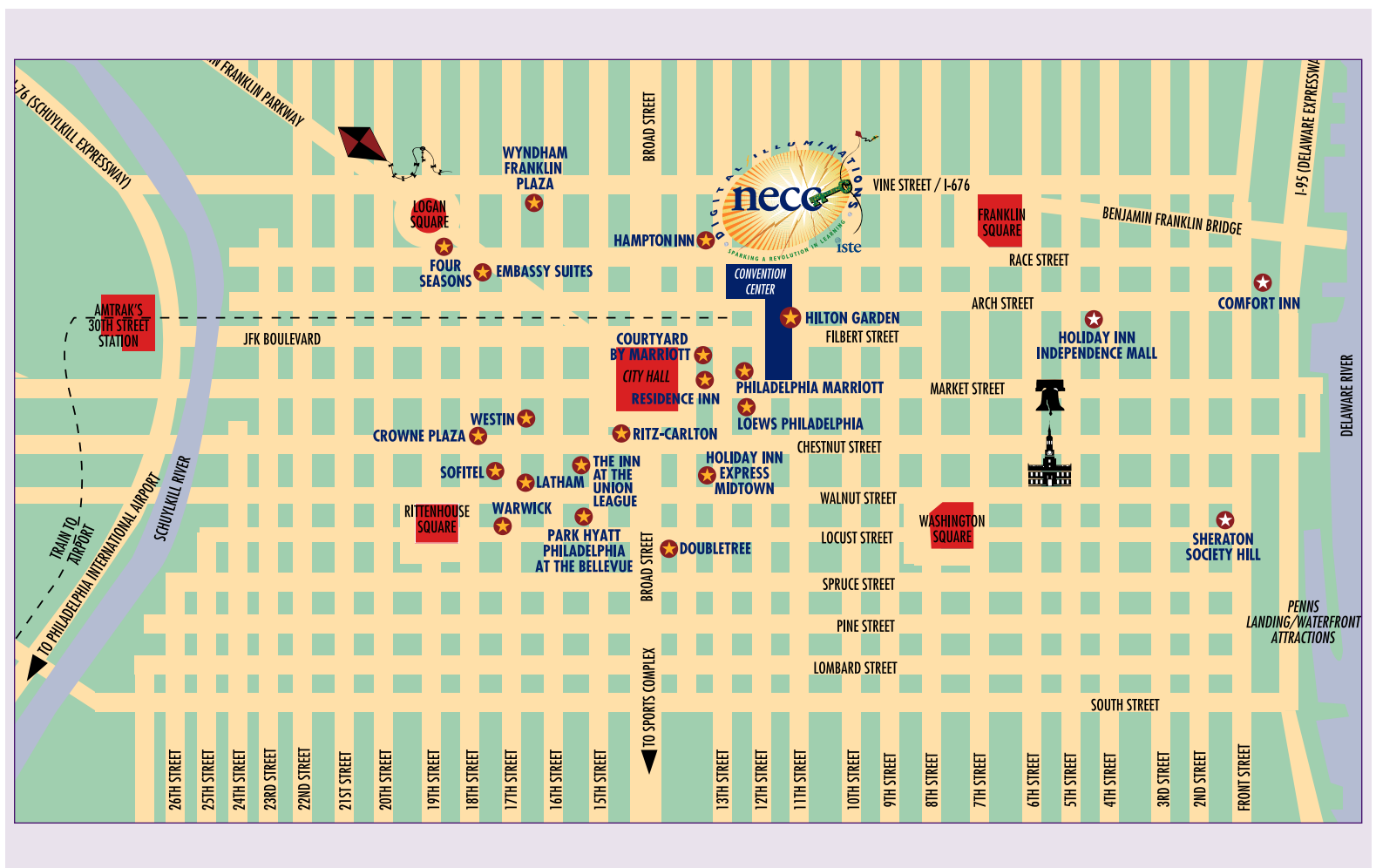
Monday, June 27: 7 a.m.-9:30 p.m.

Tuesday, June 28: 7 a.m.-11 p.m.

Wednesday, June 29: 7 a.m.-6 p.m.

National Constitution Center Event: Shuttles run from the PACC to the National Constitution Center 6-6:30 p.m. for those of you who added this event to your registration. Catch the shuttle back to the PACC or your hotel 9:15-10 p.m.

Thursday, June 30: 7 a.m.-5 p.m.



Routes

Route 1: Red

Comfort Inn — Penn's Landing, Hyatt — Penn's Landing, Omni, Penn's View Hotel, Sheraton Society Hill, Holiday Inn — Independence Hall

Route 2: Green

Weston, Sofitel, Latham, Warwick, Crowne Plaza

Route 3: Blue

Four Seasons (SE corner of 18th Street), Embassy Suites (SE corner of 18th Street), Wyndham Franklin Plaza

Route 4: Yellow

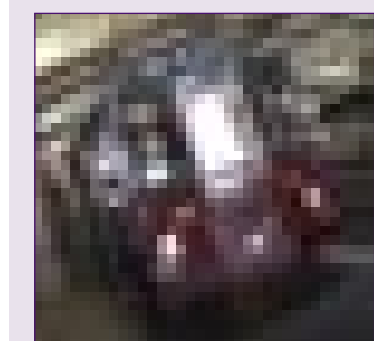
Ritz-Carlton, Union League, Park Hyatt, Doubletree, Holiday Inn Express

Route 5: Orange

Hilton City Avenue, Holiday Inn City Line

Route 6: Purple

(Serves Wednesday evening event only)
Hilton Garden Inn, Marriott Philadelphia, Loews Philadelphia, Courtyard by Marriott, Residence Inn, Hampton Inn



TODAY'S EVENTS

ISTE Authors/Editors in the Booth

ISTE Booth, PACC Grand Hall

Jan Zanetis and Kecia Ray

10–10:30 a.m.
Videoconferencing for the K–12 Classroom, co-authors

Jayne James

11 a.m.–12 noon
Online Professional Development, co-author

Camille Cole

1–2 p.m.
Videoconferencing for the K–12 Classroom, co-author

Talk shop with the authors of these ISTE books. Hear the back story behind the books, and share your experiences with these education veterans.

Lynne Schrum

2–3 p.m.
Journal of Research on Technology in Education, editor

Visit the ISTE booth to talk to the editor of *JRTE* about submitting an article or about how to use *JRTE* to support your daily work.

SIGTC Forum

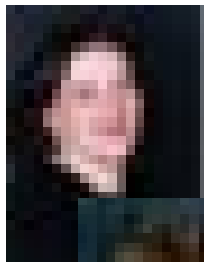
12 noon–4 p.m.
PACC Room 113C

Join your fellow technology coordinators for a discussion about technology leadership in the 21st century. And learn, in a collaborative hands-on session, how to manage handhelds in educational settings. Your \$50 registration fee includes a newly published book and lunch. Check at Onsite Registration for seating in this event.

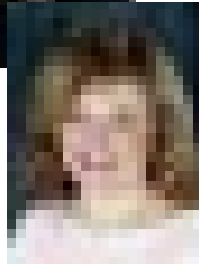
SIGTE Forum

1–5 p.m.
PACC Room 113A

This event, the fifth annual forum, is open to all SIGTE members and non-members interested in issues related to technology use and implementation in teacher education. Connect with colleagues from around the world, plan future SIGTE events, hear from leaders in our field, engage in fascinating discussions about current issues and get advice for the most important sessions and events to attend Tuesday through Thursday.



Jan Zanetis (top)
Kecia Ray (Bottom)



International Attendees Reception

4–5:30 p.m.
PACC Room 201B

Whether you are a visitor to the United States or just interested in attending a gathering to rub elbows with our visitors, don't miss this

reception. It is always interesting to see just how many countries are represented at NECC, and you will definitely meet a great group of people.

Newcomer's Session

4:15–5:15 p.m.
Marriott Salon G/H

If this is your first NECC (or your 26th), make some time to attend this session to learn how to get the most out of your NECC experience. Veteran NECCers will share tips and tools to navigate this monster conference.

Opening Keynote

5:45–7 p.m.
PACC Ballroom A/B

Begin your NECC experience with a rousing presentation by David Weinberger of Harvard's Berkman Institute for Internet and Society. Weinberger will discuss the shape of knowledge in the 21st century and tie it in to how we need to structure education. Dynamic, veteran speaker and author Weinberger is sure to kick off NECC the right way!

ISTE Awards Gala

7–9 p.m.
PACC Room 201B

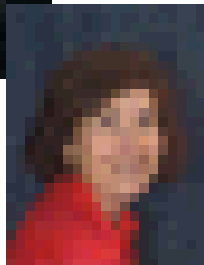
Join ISTE in honoring its 2005 educational technology awards winners. ISTE leaders will present the awards to this year's winners, who will then be available to meet with attendees.

Opening Reception

7–10 p.m.
PACC Grand Hall
Continue the celebration after the keynote with this gala event. Fill up on snacks and non-alcoholic beverages while you watch a mini-parade of Mummies and catch performances by the Sunbeam Children's Choir and the Grover Washington Middle School jazz band. Sponsored by Tier One corporate partner Gateway.



Camille Cole (top)
Lynne Schrum (Bottom)



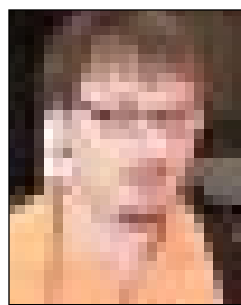
RUMINATIONS & ILLUMINATIONS

What's your biggest ed tech challenge?

Ewan Brawley

Glendale Elementary
Glendale, AZ

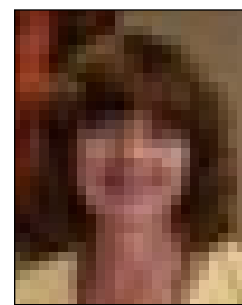
"As an assessment coordinator and data analyst, my biggest challenge is to develop and design assessment systems that are aligned to our state (Arizona) standards, then take that and align them to our district."



Kathy Wunder

Spring Cove School District
Roaring Springs, PA

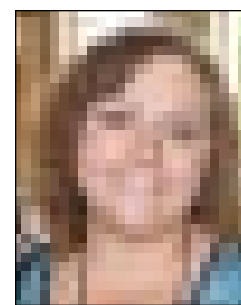
"From my perspective, it is tough to keep everything maintained. It takes a lot of money; it all comes back to



Candice Harper

Crossnore Elementary
Crossnore, NC

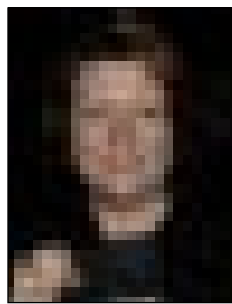
"Having time to feel like I can do it justice in relationship to all the other things and subjects I have to teach. We've gotten a big grant, and I have a lot of wonderful things in my classroom."



Jane Steelman

Teacher Educator
North Carolina State University

"Maintaining support for technology integration. The pressure for higher test scores

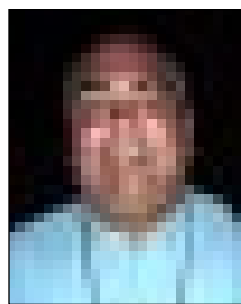


pulling support from technology. We could return to 'drill and kill, and that would be bad for kids. They may get short-term gains in testing but we aren't teaching them to think."

Paul R. Wood

Director of Technology
Bishop Dunne Catholic School, Dallas TX

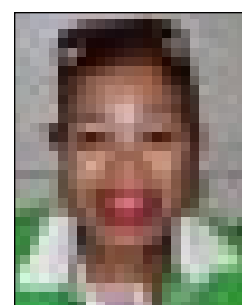
"We need to bring faculty up to speed on the technology. Many of the students are very advanced, and teachers need to catch up. Funding is always a problem, too!"



Sylvia Rivers-Johnson

Hickey School
St. Louis, MO

"Basically to become really computer literate. To be able to function well in the classroom and to be able to teach my students from a classroom viewpoint."



"Money. Getting money and budgeting so we can keep up with the new technologies that the kids need."

Cathy Schimminger

Spring Cove School District
Roaring Springs, PA

CPB, PBS, the US Department of Education, and public television stations are partners in the presentation of PBS *Ready To Learn* children's programming including:

Between the Lions
WGBH, Sirius Thinking Ltd.

Reading Rainbow
GPN/Nebraska Educational Telecommunications, WNED

Maya & Miguel
Scholastic

Dragon Tales
Sesame Workshop

Sesame Street
Sesame Workshop

These programs help our children become better readers and better students.



Ben says...

"When you're finished changing, you're finished."

Benjamin Franklin, 1706–1790
Scientist, Publisher, Diplomat



Meet ISTE Authors at NECC

SCOTT HARTER

Conference-goers will have the opportunity to meet some of the leading lights in education technology when ISTE hosts several of its bestselling authors in the ISTE booth this week. Come and check out their exceptional books, share your experiences using the materials they have created, and find out what new projects and publications they are planning for the year ahead.

Susan Brooks-Young is one of ISTE's most well-known and prolific authors, publishing five books that have raised the technology consciousness of countless school and district administrators. In her seminal works defining and applying the NETS for Administrators, *Making Technology Standards Work for You* and *Self-Assessment Activities for Administrators*, Brooks-Young provides a detailed and common-sense approach to evaluating where you are with technology at the site and district level, and where you need to go to fully implement the standards. She also knows that busy administrators need help accessing crucial information, automating routine tasks, and keeping up to date on vital school governance issues, and her other titles — *The Electronic Briefcase for Administrators* and two *101 Best Web Sites* books for principals and district leaders — are indis-



Susan Brooks-Young

pensible resources for doing all of those things and more. As everyone who has attended one of her outstanding workshops and administrator training sessions will attest, she is also a warm and witty conversationalist sure to entertain visitors to the ISTE booth on Tuesday, 2-3 p.m., and Wednesday, 10-11 a.m.

Other luminaries who will be in the ISTE booth this week include the authors of ISTE's groundbreaking *Videoconferencing for K-12 Classrooms*, **Camille Cole** (on Monday and Wednesday, 1-2 p.m.) and **Jan Zanetis** and **Kecia Ray** (Monday, 10-10:30 a.m., and Tuesday, 1-1:30 p.m.). With decades of combined experience implementing interactive videoconferencing (IVC) in education, these authors bring both a practical and inspirational perspective to their work with this emerging technology.

Their book is the first of its kind, and offers a complete program development guide to IVC hardware, classroom management strategies, curricular design and ongoing IVC projects and resources on the Web.

Other authors who will be in the ISTE booth this week:

Jayne James, coauthor of *Online Professional Development* (Monday, 11 a.m.-12 p.m.)

Chris Peters and **Ryan Visser**, authors of *PowerPoint 2000 for Administrators* and *PowerPoint 2000 for Teachers* (Tuesday, 3:30-4 p.m.)

Kathleen McMurdo, author of *Structured Writing* and *Structured Writing II* (Wednesday, 12-1 p.m.)

Lynne Schrum, editor of the *Journal of Research on Technology in Education* (JRTE) (Monday, 2-3 p.m., Tuesday, 12-10 p.m., Wednesday, 2:30-3:30 p.m.)

James Lerman, author of *101 Best Web Sites for Elementary Teachers* and *101 Best Web Sites for Secondary Teachers* (Tuesday, 10:30-11 a.m. and 4-4:30 p.m.)

Peggy Kelly, co-author of *NETS•S Curriculum Series: Multidisciplinary Units for Prekindergarten Through Grade 2* and the upcoming *NET•S Resources for Student Assessment* (Wednesday, 11 a.m.-12 p.m. and 3:30-4:30 p.m.)

Where in the World is ISTE?

TRACY COZZENS

Most members know that the International Society for Technology in Education (ISTE) is headquartered in Washington, D.C., with administrative offices on the other side of the country in Eugene, Oregon. That's merely the first step in understanding ISTE's true reach throughout the worldwide ed tech community.

Through its affiliate program, the ISTE family stretches across the globe, encompassing more than 70 organizations and 85,000 ed tech professionals. These affiliates range from statewide organizations in 43 of the 50 United States to organizations in Australia and China.

NECC provides an annual opportunity for affiliate members to meet and share ideas and knowledge at special meetings. Many ISTE Affiliates will be holding business meetings and receptions during the conference, including the official Affiliate Annual Meeting that was held Sunday.

Beyond affiliates, ISTE is establishing relationships with ed tech organizations in yet more parts of the world, proving itself as the premiere international ed tech organization. For instance, ISTE is working with Malaysia's Ministry of Education to draft a technology-aware curriculum and infuse technology into teacher education. And in India, ISTE is partnering with Future Schools Foundation to reach out at the grassroots level to transform Indian education. China's Ministry of Education is translating and distributing select ISTE publications.

As an important part of its worldwide reach, ISTE has traveled and provided technical assistance, sponsored workshops and given conference presentations, including:

- A series of symposia in six locations in India: Madras, Bangalore, Cochin, Coimbatore, Delhi and Dehradun.
- Conference presentations in Ireland, Brazil, Canada, Portugal, Germany, Australia, France, Bermuda, Japan, The Mariana Islands, Puerto Rico, Costa Rica, and China and summit participation in England and Costa Rica.
- Trainings of trainers or teacher educators in the Netherlands, Germany, Singapore, Brazil, Malaysia, Puerto Rico, India and Hungary involving a total of more than 60 countries.
- Speaking engagements in Brazil, Costa Rica, Canada, China and Bermuda.

Many NECC attendees have traveled thousands of miles from these countries to take part in the best ed tech conference in the world. The International Attendees' Reception, set for 4:30-5 p.m. today, is a wonderful opportunity to meet and learn from ed tech professionals from around the globe. Don't hesitate to get to know fellow professionals from other countries to gain the most from the rich experiences NECC has to offer.

MY NECC OF THE WOODS

Forage, Harvest and Nourish Knowledge

J.V. BOLKAN

We come from all directions. Even when we get here, we still scurry. It's NECC time, and we're all looking



to build up our stockpiles for the next school year. The harvest is rich. You just need to keep moving, keep your eyes open, and keep your feet healthy.

Lots of us are looking for nuggets of wisdom — those tips big and small that make our jobs easier, more efficient or just different and better. We want what we know is here — the answers to better education. That's the nut. Technology is the tree, the source of some of these sustaining treats, but the nut is better teaching.

We need, too.

Everyone likes free stuff, but educators need it. We can't get enough to get us through without the free

stuff. I see it, you tell me, and you laughingly joke in all seriousness that part of your agenda is finding stuff. Free stuff, or cheap stuff.

It's here. I saw kids bursting with pride as they prepared to drop their secrets on how they use handheld computers in a workshop. I met a teacher who couldn't wait to hear about a reading session for struggling students. Delicious tidbits, entrees, even dessert. Teacher food.

Free stuff is here too. The exhibitors will be ramping

up over the next few days. Contests, giveaways and even more tips and training. Gorge yourselves. If you want or need it, the NDL is giving away an Intel digital microscope. Find me outside of the NDL offices and tell me you want free stuff. The first dozen each day who talk to me, get my business card. Turn the card in to the NDL office (Room 308) to be entered in a drawing. We'll announce the winner in Thursday's edition, and you can harvest the microscope then. Easy as picking up acorns under an oak.



ISTE Senior Editor

J.V. Bolkan serves as conference editor for the NDL.

Learning & Leading with

Technology

Are you an ISTE Member?

Interested in being featured in the [member profile](#) section of ISTE's *Learning & Leading with Technology* magazine?

Come by the NDL offices (Room 308) during the conference.

The first dozen volunteers to fill out and turn in the easy and quick questionnaire and have their picture taken by one of our staff photographers will get a swell gift!

Divide and Conquer: How to Get the Most from NECC

JENNIFER ROLAND

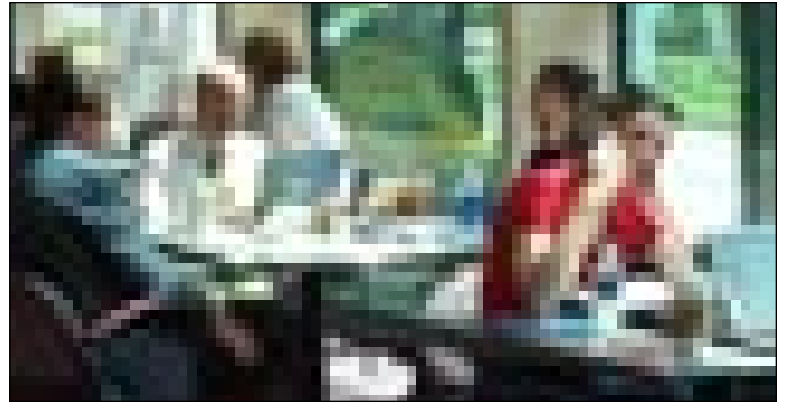
NECC can be overwhelming. How can you possibly see all the things you want to see and attend all the sessions you need to attend?

You could try cloning yourself, but that technology is still raw. You could limit yourself to only a few sessions each day, but you'd miss a lot. Or you can work as part of a team, dividing and conquering this massive event. Here are some strategies to help you and your teammates get the most out of your trip to NECC.

- **Go to a Newcomer's Session if this is your first NECC.** You'll get the information you need to make NECC a wonderful professional development experience. These sessions will be held

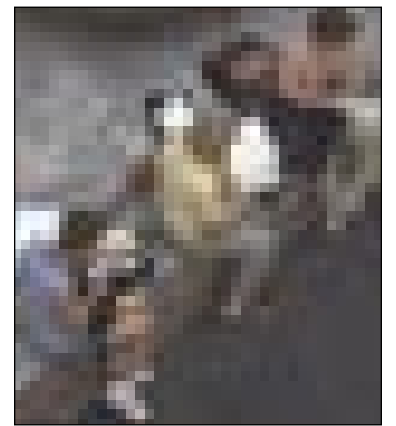
- at the Marriott in Salons G/H Monday at 4:15 p.m. and Tuesday at 7:15 a.m.
- **Know your goals.** Meet as a team to figure out your goals before you even look at the workshops, sessions and other conference offerings.
- **Keep your Final Program handy.** This is your lifeline for the conference. It lists the concurrent sessions, keynotes and events. It also contains a map of the convention center.
- **Use the Themes and Strands to find the sessions most useful to you.** For example, sessions categorized in the Learning Environment theme are targeted mainly at teachers and teacher educators. The sessions are then categorized by strands, such as English Language Arts, Multiple Intelligences and Student

- Assessment.
- **Play to your strengths.** Choose which sessions each person will attend based on his or her knowledge and skill level. Attendees with prior knowledge or interest in a topic typically get the most out of the session, and they can bring the most useful information back to the group.
- **Plan regular meetings to debrief all you have learned.** You'll find team planning space in the Upper Bridge area.
- **Visit the Exhibit Hall.** This is a great area to divide and conquer, too. Visit all of the interesting booths in your section of the hall, then share the information you have learned and show your teammates the coolest freebie you picked up.



Teams can ensure that they cover all the areas of the conference. Meet in the Upper Bridge area (Level 3) to share information.

- **Finally, have fun.** NECC has planned some extra-special events this year. Attend the opening reception, go to the dance and sample Philadelphia's national treasures, such as the Liberty Bell and City Hall. You'll need to blow off some steam after such a packed schedule, and this type of experience cements the bonds among co-workers and friends.



In the Grand Hall, early attendees plot their course for the coming week.

New ISTE Books Released

SCOTT HARTER

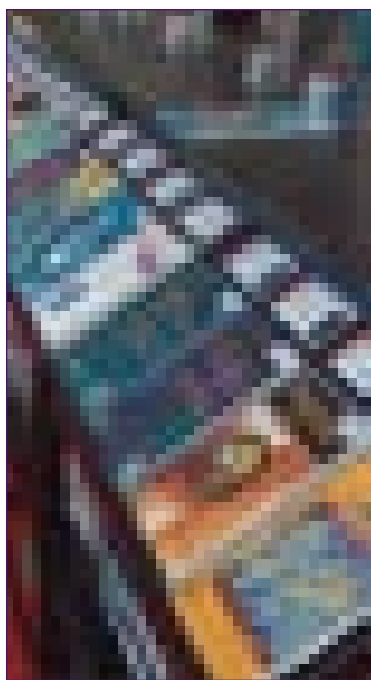
ISTE Publications unveiled its two newest books this week. Both are sure to find a valued place in the technology-minded educator's library of useful resources.

Integrated Technologies, Innovative Learning: Insights from the PT³ Program is a collection of essays written by Preparing Tomorrow's Teachers to Use Technology project managers from around the United States. Edited by Steve Rhine and Mark Bailey, these 20 essays reflect on the lessons learned during the five years of the federal PT³ grant program. The authors describe proven, workable strategies for integrating technology more effectively in teacher education. Individual chapters describe exemplary professional development and mentoring practices, unique university and public school partnerships and stories of individual and institutional transformation. This resource for teacher educators and professional development providers includes a table of contents matrix detailing topic and audience focus for each chapter and a full index with links to online resources.

Teaching with Digital Images: Acquire, Analyze, Create, Communicate is a hands-on manual for teachers looking to tap into the amazing instructional potential of digital images. Edited by Glen L. Bull and Lynn Bell, this book provides you with everything

you need to know to create standards-based activities in all of the core content areas using digital cameras and digital image resources available on the Web. Subject area experts describe dozens of inventive ways to involve students in creating and analyzing images that enhance and support curricular objectives. Covering everything from the basics of digital photography and image editing to advanced multimedia projects that can be implemented seamlessly in your classroom, this book will get you up to speed fast on one of the hottest technologies around.

Come to the ISTE booth to see them for yourself. You are sure to be inspired by their authors' ingenious and original application of educational technology best practices.



Visit the ISTE Booth in the Grand Hall to see the latest lineup of ISTE Books.

BLACKBOARD ADDRESSES TODAY'S K-12 CHALLENGES

Donna Vakili and the Idaho Digital Learning Academy called on Blackboard to help meet mandatory state assessments in Reading, Language Arts, and Math. Visit Blackboard in booth 0706 to learn more about this and other challenges K-12 districts are meeting with Blackboard every day.

- + Hear **Blackboard CEO Michael Chasen** describe the learning platform K-12 school districts nationwide are using to engage students and parents, enhance professional development and manage student progress. **Thurs. June 28th, 3:30-4:30 pm. Penn Convention Center, Room 201C.**

- + Bring this card to **booth 0706** and **enter to win** one of 10 Blackboard Backpacks given out each day

- + Join the NECC Blackboard Forums today at: **www.blackboard.com/k12/necc2005**



Donna Vakili, Ph.D.
Blackboard Client



Blackboard

www.blackboard.com/k12

Students Are Key Learners' Voices Fill Conference

J.V. BOLKAN

This year's program has a special emphasis on the voices of the students, and how we as educators can listen to this unique generation and learn how better to serve student needs.

Given many names, the distinguishing feature of these students is their acceptance of technology. They are the first generation to be born in the digital age.

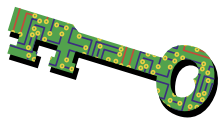
More important than getting a handle on the latest technology or even mastering the latest theories of learning, understanding students and knowing what they think is vital for educators. Rather than a few isolated events, program planners have taken great care to infuse the voices of these millennium-era learners into the entire program.

Often called "digital natives," not only will you see plenty of them, and hear many accounts and descriptions of them at the conference, but you'll likely be hearing a

surprising amount directly from them. As NECC national program chair Anita McAnear says, "It is their future, so we ought to be consulting them."

Even with student voices tightly integrated into the conference, there are still some areas of emphasis. Students from New York's MOUSE Squad are helping staff The Doctor Is In on-site tech support. For instance, one of Tuesday's keynote speakers is Deneen Frazier Bowen, who will be performing her one-woman play, *The Natives are Restless*, which examines key concepts and attitudes that make today's students so different. That evening, NECC hosts a student film festival.

Additionally, student showcases run each day of the conference. Find sessions and workshops that support this emphasis on student voices marked with a megaphone in the Final Program.



ROOM & SCHEDULE CHANGES

Cancellations

Due to unforeseen circumstances for presenters, the following sessions have been cancelled.

Tuesday, June 28

Spotlight/Concurrent Sessions

Digital Kids

Ian Jukes
12:30-1:30 p.m., Marriott Salon E/F

The NETS Social Studies Project for Grades 9-12

Walter McKenzie, Michael Hutchinson, Cyndy Jones Woods
3:30-4:30 p.m., Room 104 B

Poster Sessions

HOT Spreadsheets

Sue Elwood-Salinas
10 a.m.-12 p.m., Grand Hall, Table P18

Running a Computer Lab But Running Out of Ideas?

Kyle Nielsen
1:30-3:30 p.m., Grand Hall, Table P08

Technology Education for All People

Li-Ling Chen
1:30-3:30 p.m., Grand Hall, Table P13

Student Showcase

The Adventure Agent Technology Club

Janet Johnson
1:30-3:30 p.m., Table S05

Wednesday, June 29

Global Gallery Session

Project Barn: A Site Inside of a Portal of Education

Marisa Lucena, Vania Moreira
1:30-3:30 p.m., Table G10

Student Showcases

Graphic Design: Visualizing a Creative Career

Jon Krecota
10 a.m.-12 p.m., Table S07

Planet Profound: The Classroom Is Open 24 Hours!

Elizabeth Canzanese
1:30-3:30 p.m., Table S03

Thursday, June 30

Concurrent Session

Data-Driven Instruction through Math Software

Robyn Silbey
10:30-11:30 a.m., Room 108A

Program Changes

Birds-of-a-Feather Session

One more table (seats 10) is available for a birds-of-a-feather session on Wednesday, June 29 from 4:45-5:45 p.m. Sign up for it by Tuesday at 2 p.m. at the Info Booth in the Grand Hall.

Tuesday, June 28

Special for Newcomers

Learn how to make NECC work for you — learn to navigate and understand the myriad options available during the conference. 7:15-8:15 a.m., Marriott Salon G/H

New Student Showcase

Documenting Students and School Activities using Audio/Video Production
Michael A. Johnson
1:30-3:30 p.m., Table S10
Thurgood Marshall K-8 School Design Technology & Engineering program has created a Video Yearbook using Garageband and FinalCut Pro to highlight students K-8 educational experiences.

Wednesday, June 29

Universal Design for Learning: Meeting the Needs of Struggling Readers

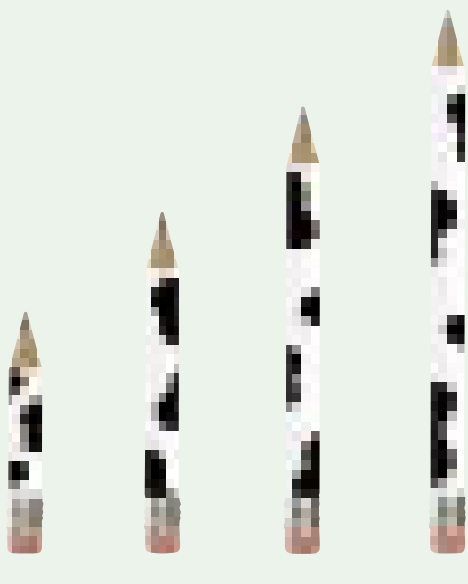
New Speakers: David Cattell, Susan Birrell, Jackie Lawton, Brian McKean, Pat Previte
New Description: Learn about the principles of Universal Design for Learning (UDL) through a research-validated software program for middle school struggling readers. 3:30-4:30 p.m., Room 107B

Thursday, June 30

ISTE's SIGTE Session Features Susan Patrick

U.S. Department of Education Funding Opportunities for Teacher Educators
The director of the U.S. ED Office of Educational Technology will discuss ed tech funding opportunities. (Sponsored by ISTE's SIGTE) 10:30-11:30 a.m., Room 112B

Test Scores



Access to Gateway Computers

Gateway Recommends Microsoft® Windows® XP Professional.

HIGHER ACHIEVEMENT. IT'S SOMETHING WE ALL STRIVE FOR.

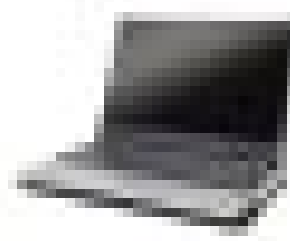
It's time we put on our thinking caps to help keep students' test scores high and your school's overhead costs low. Equipping each young mind with an affordable Gateway notebook is a good place to start.

Like our new M250 Notebook. With its light, student-friendly portability, wireless technology and attractive price, it earns top marks as the perfect K-12 companion. It even has a battery life that keeps going long after the bell rings.

When you do the math, you'll find the M250 scores a superior return on investment. And with that kind of value, it's now even easier to start planning a one-to-one student computing initiative for your school or district.

Giving children access to computers helps them achieve in the classroom. And the more a child achieves in school, the more he or she can achieve in life.

It's quite elementary, when you think about it.



The New Gateway M250 Notebook.

Light in weight doesn't mean light on features.

- Ultra portable at less than 5 lb.¹
- Just over 1" thin²—fits perfectly in a backpack
- 14.1" widescreen lets students view more documents at once
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Visit us at booth #2000 to see a one-to-one computing classroom and learn how to begin planning an initiative for your school today.

Call 1-800-gateway or visit gateway.com/edu/one2one



All offers valid in United States only and are subject to change without notice or obligation. May not be available through all sales channels. ¹Weight varies with options. ²Thickness varies across products. Gateway quotes measurements at the thinnest point. ³Battery life varies depending on use and configurations. © 2005 Gateway, Inc. All rights reserved. Gateway Terms and Conditions of Sale apply. Trademarks used herein are trademarks or registered trademarks of Gateway, Inc. in the United States and other countries. Microsoft and Microsoft XP are registered trademarks of Microsoft Corporation. Not responsible for typographical errors. Ad Code: 126225