



LEADING THE WAY TO TOMORROW'S INTERNET


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DCP Today

Volume 3, Issue 6
March 28, 2002

Welcome to DCP Today, CENIC's twice-monthly electronic newsletter detailing the latest news about the Digital California Project.

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Digital California Project News

Bringing the Future to California Schools

On March 21, 2002, Cal Poly Pomona's "The Digital Educator Program" hosted an online conversation with the leaders of the Digital California Project (DCP) network. Cal Poly Pomona's Mike Berman, Vice President for Instructional and Information Technology, interviewed the DCP leaders to explore how the Digital California Project will revolutionize education in California. The panel consisted of:

- Tom West, President/Executive Director of CENIC and Executive in Charge of DCP
- John Vaille, DCP Director of Applications Coordination
- Richard Navarro, Cal Poly Pomona Dean of College of Education and Integrative Studies, and Chair of the California Commission on Technology in Education

To listen to an archive of the panel discussion, go to http://events.avacaster.com/calpoly_vod/avamain.html.

Source: CSU Pomona

DCP Contributes to Internet2 K-20 Initiative

UC Berkeley's "Conversations with History" (CWH) project is featured as a part of the Internet2 K-20 initiative. The Internet2 K-20 initiative brings together Internet2 member institutions, primary and secondary schools, colleges and universities, libraries, and museums to get new technologies-advanced networking tools, applications, middleware, and content-into the hands of innovators, across all educational sectors in the United States, as quickly and as "connectedly" as possible.

The "Conversations with History" website provides a collection of videotaped interviews with distinguished people from around the world who reminisce about their participation in great events, share their perspectives on the past, and reflect on the future. Guests include statesmen, economists, political analysts, scientists, historians, writers, and artists. Teachers can also find transcripts that have been indexed by subtopic, a guide to teach students to conduct interviews, and transcripts from some sample interviews that students have conducted. The website also offers examples of how teachers have used the digitized materials in lessons linked to California content standards.

CWH is a UC Berkeley project out of the School of International Studies; K-12 teachers in the San Francisco Bay Area have helped developed sample lessons for using the online archive of digital videotaped interviews in K-12 classrooms. Many of the interviews are also broadcast on the University of California's UCTV channel (<http://www.uctv.tv>).

More information on CWH can be found at <http://globetrotter.berkeley.edu>
 More information on the Internet K-20 Initiative can be found <http://www.internet2.edu/k20/>

Source: John Vaile, Director of DCP Applications, jvaile@cenic.org, Internet2

Network Installation Update

The number of installed node sites remains at 53 (75% of the Round 1 sites), 67% of which are fully operational and using the DCP Internet connection. The installation schedule for the month of April 2002 is as follows:

04/05/02 Colusa COE
 04/10/02 Plumas COE
 04/16/02 Siskiyou COE
 04/17/02 Lake Tahoe USD
 04/17/02 Truckee Donner PUD

The following sites are fully operational: SLO COE, Orange COE, Kern COE, Fresno COE, Merced COE, Tulare COE, Kings COE, Monterey COE, Riverside COE, Stanislaus COE, San Benito COE, San Bernardino CSS, Bishop Union, Santa Cruz COE, Imperial COE, San Joaquin COE, Santa Barbara CEO, Pomona USD, San Diego COE, Chaffey JUHSD, Red Bluff HS, Santa Clara COE, Ventura CSS, Contra Costa COE, San Francisco COE, Los Angeles COE, Calaveras COE, Mendocino COE, San Mateo COE, Sacramento COE, Monterey Peninsula College, Sutter County Schools, Sonoma COE, El Dorado COE, Victor Valley CC, Alameda COE and Yolo COE.

Source: Edwin Smith, Network Implementation Project Manager (smithew@csu.net)

Instructional Implementation Update: Hacienda La Puente School District

The Hacienda La Puente School District (HLSD) is currently being connected to the LACOE via OC3, and has OC3 connections from its district office to each of the schools. The superintendent and district technology leadership have been committed to using DCP over the past year, and have already begun identifying and developing applications. HLSD is on track to serve as a demonstration site as early as December for applications at the elementary, middle, and high school levels. HLSD has been working closely with LACOE in the development and field testing of applications developed by the Educational Telecommunications Network (ETN) of the LACOE, and will be utilizing these as well as other applications.

Initial DCP Applications for HLSD include:

- Middle school algebra: The district is almost ready to launch the web-delivered middle school algebra programming developed by LACOE. They are using the network to provide video modeling with interactive discussion of effective teaching of 8th grade algebra to teachers in Pomona and CalPoly.
- Professional development to improve reading with English Language Learner students: HLSD will be utilizing two programs, STELLAR and MERET, developed to improve teaching of reading to English Language Learners, and has been involved in the beta testing of these programs.
- CalPoly Pomona-HLSD Demonstration Program: HLSD has been working with CalPoly Pomona to develop a model program at the secondary level to demonstrate the use of video conferencing and web-casting to deliver professional development using broadband telecommunications.
- RX-Net: RX-Net is an administrative application requiring high capacity and speed that manages and relates student assessment information from the SAT9 and API to instructional activities individualized to the classroom and student level as well as linking relevant student information to parents.

Source: John Cradler (cradler@earthlink.net)

Ode to CENIC 2002, No. 1

We're part of an org known as CENIC
 With an annual conference that is so slick
 Connect with your friends.
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Join us for the CENIC 2002 conference - May 5-7, 2002

<http://www.cenic.org/CENIC02/CENIC2002.html>

National Education Technology News

Missouri's Ed-Tech Program Raising Student Achievement

An analysis of student test scores in Missouri offers solid evidence to suggest that using technology to facilitate an inquiry-based approach to learning can boost student achievement. Students who participated in Missouri's educational technology program scored consistently higher in every subject area on the state's standardized test compared with students not involved in the program, according to an analysis of last year's test results.

The study, called "Analysis of 2001 MAP Results for eMINTS Students," compared the results of the Missouri Assessment Program (MAP) for more than 6,000 third- and fourth-graders. The eMINTS program, which

stands for Enhancing Missouri's Instructional Networked Teaching Strategies, was found to have a positive impact on student achievement. eMINTS combines multimedia and computer technology, an inquiry-based approach to teaching, and extensive professional development.

Each eMINTS classroom is equipped with a teacher's desktop computer and laptop, a scanner, a color printer, a digital camera, an interactive white board, a high-lumen digital projector, and one computer for every two students. Student computers are loaded only with basic productivity software, such as Microsoft Office, and all computers have high-speed Internet connections. eMINTS teachers undergo 200 hours of professional development along with in-class coaching and mentoring over a two-year period. Teachers learn to integrate technology and emphasize critical thinking and problem-solving skills in their instruction.

"Teachers are required to use technology within their district's curriculum in ways that make learning significant, rather than just reading and reciting," said Monica Beglau, instructional program director for eMINTS.

"For example, instead of giving a lecture on gravity, a teacher [might have] students design an M&M dispenser to be used on a space shuttle," she said. Together, the class would research gravity and how astronauts eat in space, using web sites displayed on an interactive whiteboard. Students would listen to audio clips, look at pictures, and watch movies. Then, they would begin developing their own dispensers.

eMINTS started in 1999 as a pilot project and was so successful that state officials expanded the program. Now, approximately 450 classrooms and 10,000 students participate statewide.

Links:

eMINTS program: <http://emints.more.net>

Analysis of 2001 MAP Results for eMINTS Students: <http://emints.more.net/evaluation/reports/map2001-emints.pdf>

Source: eSchool News

ISTE Announces Second Round of Competition for the National Educational Technology Standards (NETS) Distinguished Achievement Award

The Distinguished Achievement Award recognizes institutions that have exhibited exemplary models of integration of the National Educational Technology Standards for Teachers (NETS*T) into their teacher education programs. This might include integration of the NETS*T standards into one or more programs or one particular feature of a program that exemplifies the NETS*T standards. Programs that are recognized should be well-articulated and mature, with students who have already had significant exposure to the NETS*T enriched experiences.

The second round of competition will honor up to six institutions. Applicants must provide online documentation that demonstrates their NETS*T models and practices. At least one educator at the institution must be identified as the contact to handle informational requests and dialogue with the public about the program. To be considered for the Award, applications must be received no later than April 17, 2002.

Awardees will receive a special ISTE NETS Distinguished Achievement Award plaque for their institution as well as a special NETS "Seal of Recognition" for their program's Web site. Their program will also be featured one month on the award Web site. Several of the awardees will participate in a special ISTE NETS*T session at the National Educational Computing Conference (NECC). The awardees will be recognized at the NECC Conference in San Antonio, TX in June 2002.

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Source: ISTE Update

AwesomeStories.com Shows You Where to Look

AwesomeStories.com shows you where to look. Not just through millions of unorganized, digitized national treasures that now reside online, but also through millions of scanned documents, pictures, maps and graphics that universities and libraries have made available for everyone's use. With this newly launched Web site, you can explore the background of famous stories with all the original documents you need at the precise moment you need them. Three years in the making, AwesomeStories.com started as a law firm project. Carole Bos and her partners at the Grand Rapids firm of Bos and Glazier thought it would be a good idea to create a Web site that did not tout their business but helped people learn the real story behind famous trials. Using the same technique they use in court to teach juries, Bos and her team worked nights and weekends to create an interactive learning tool. When their initial site (LawBuzz.com) was launched, without advertising or sponsors, they were immediately inundated with e-mails asking for more stories. With heavy use of Macromedia Flash to introduce its 8 channels, AwesomeStories helps you effortlessly find what many people have never seen. For example: FDR's draft of his famous "infamy" speech, the derringer that killed Abraham Lincoln, the actual iceberg that collided with Titanic, the official reports and photographs of the Challenger disaster, a silent movie of Wilbur Wright demonstrating flight to Europeans, thousands of famous places and more.

Source: AwesomeStories.com Press Release (<http://www.awesomestories.com>)

About CENIC

CENIC is a not-for-profit corporation formed by the California Institute of Technology, the California State University, Stanford University, the University of California, and the University of Southern California to facilitate and coordinate the deployment, development, and operation of a set of seamless and robust advanced network services. The CENIC Associates program offers qualified companies the opportunity to collaborate with CENIC in pursuit of the goal of providing the most advanced network services for research and education. Cisco Systems, Nortel Networks, Pacific Bell, and the University and Community College System of Nevada are CENIC's Partner Associates.

More information about CENIC is available at: <http://www.cenic.org>.

About DCP

The Digital California Project is a project of CENIC. A multi-million dollar effort funded by the State of California, the DCP was designed to build the necessary network infrastructure needed to prepare California's schools to take advantage of tomorrow's advances in network technology. In essence, CENIC is developing an advanced-services network to serve the entire California K-20 education and research community.

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