



## LEADING THE WAY TO TOMORROW'S INTERNET


 
[About CENIC](#)
[Network](#)
[Services](#)
[Projects](#)
[Associates](#)
[Publications](#)
[Events](#)


## PUBLICATIONS

### DCP Today

Volume 3, Issue 17  
November 20, 2002

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

#### QUICK LINKS

[CENIC Today](#)  
[DCP Today](#)  
[GB Today](#)  
[Brochures](#)  
[Reports](#)  
[Presentations](#)  
[Video Presentations](#)  
[Other Documents](#)  
[CENIC Home](#)

#### IN THIS ISSUE:

#### [Digital California Project News](#)

- "No Child Left Behind" New Technology Funding Now Available
- Mentoring Conference Demonstrates Network's Ability to Support K-20 Collaboration
- Marin County Showcases the CalREN/DC Network
- CalREN/DC Network Update
- California's Online-Learning Potential Evaluated

[About CENIC](#)

[About DCP](#)

[Subscription Information](#)

---

#### [Digital California Project News](#)

#### **"No Child Left Behind" New Technology Funding Now Available**

A new federal funding source known as Enhancing Education Through Technology (EETT) Title II of No Child Left Behind (NCLB) is now available to school districts. The target of EETT is to improve academic achievement and teacher effectiveness through the use of technology, providing potential funding opportunities for support of the CalREN/DC Network.

Use of funding: At least 25% of the EETT funding must be spent on professional development that helps teachers use technology as an effective tool to improve teaching and student achievement. Funding will be based upon the proportionate amount of California's Part A, Title I funding that the school district receives in each of the grant years. The total available for the EETT formula grants is approximately \$41 million.

Local requirements: To receive funding, a school district must update and modify its district plan to meet the EETT guidelines, which require an articulated emphasis on using research-based resources and adult literacy. The revised plans also must describe the steps applicants will take to provide all students and teachers access to technology. Additionally, they must ensure that teachers are prepared to integrate technology effectively into curricula and instruction. Therefore, if CalREN/DC Network delivered resources are to be funded by EETT, it is critical that revised plans describe how the network will be used as a tool to deliver programming and provide access to learning resources that increase teaching and learning opportunities.

Application deadlines: There are three windows of opportunity, or "cycles", during which districts may apply for EETT funding. Complete applications must be posted to the California Department of Education EETT website no later than 5:00 p.m. on one of the following dates: Cycle A – October 29, 2002; Cycle B – January 22, 2003; Cycle C – April 2, 2003.

Competitive grants: An additional \$40 million will be available in December 2002 or January 2003 for competitive EETT grants under Title II, Part D to develop or adopt programs for middle or junior high school Title I-eligible students. Specific details on these grants, not yet available, will be posted on the California Department of Education Website when they are developed. School districts or county offices of education interested in this funding opportunity are encouraged to sign up for an automatic email notification on the CDE Funding Opportunities page at <http://www.cde.ca.gov/funding/>.

Additional Information: The following resources are also available for assistance in applying for EETT funding:

- Local Education Agencies can receive assistance with the online application process from their regional California Technology Assistance Project (CTAP) offices at <http://www.cde.ca.gov/edtech/ctap.htm>;
- For more details and access to the EETT applications, visit <http://www.cde.ca.gov/edtech/eett/formelig.htm>;
- The EETT guidelines can be accessed at <http://www.cde.ca.gov/ct/edtechplan.pdf>;
- For commercial online learning resources, focused on instruction aligned to the California Content Standards, visit the California Learning Resource Network at <http://www.clrn.org>; and,
- For reports chronicling the implications of current research that may be useful for planning online teaching and learning programs, visit the Center for Applied Research in Educational Technology at <http://caret.iste.org>.

### **Mentoring Conference Demonstrates Network's Ability to Support K-20 Collaboration**

On October 10, 2002 the Governor's Mentoring Partnership (GMP) used the CalREN/DC Network to host a virtual training conference entitled "Keys to Successful Mentoring Programs." Over 400 volunteers throughout the state participated in the conference from three live interactive conference sites (Sacramento County Office of Education, Cal Poly Pomona and UC Santa Barbara) and 12 remote sites that received video broadcast and allowed communication with the live sites via computer chat room. This historic event demonstrated the power of the network in using video streaming and web casting technology to support community-based educational services.

Kicking the program off live from the University of Massachusetts, Dr. Jean Rhodes, author of the acclaimed book "Stand By Me", provided a research-based overview on the status of the mentoring field. During lunch, California's First Lady, Sharon Davis, addressed participants and praised the DCP for linking "high tech to human touch." After lunch, participants were able to choose between three workshops delivered over the network.

Producing this cutting edge event and delivering it over the CalREN/DC Network presented unique challenges for conference planners. Viewed as a pilot for future online collaboration, the conference provided valuable lessons learned for K-20 participant organizations working to promote online conferences as a means of cost effectively and efficiently reaching out across long distances to large numbers of people.

Conference participants were advised of the cutting edge nature of the technology used to make the conference possible and were asked to evaluate their experience. The evaluations received to date reveal the following:

- 95% agreed or strongly agreed that they were able to attend the conference due to the convenience of participating online;
- 97% agreed or strongly agreed that the conference provided valuable knowledge for their professional role;
- 83.5% agreed or strongly agreed that the technology was effective in delivering content; and,
- 88.5% agreed or strongly agreed that they would participate in future virtual trainings if available.

During the next few months, the DCP will convene two working groups to examine the issues that arose during the planning and execution of the GMP event. Both groups will attempt to glean as much information as possible from the early use of this technology to develop best practices for future events, from both a technical and conference planning standpoint. If you are interested in participating in this process, please contact Stephanie Couch at the Sacramento CENIC office at (916) 447-8947 or email [scouch@cenic.org](mailto:scouch@cenic.org).

### **Marin County Showcases the CalREN/DC Network**

The Marin County Office of Education hosted its Distance Education Showcase on October 8, 2002, virtually incorporating portions of the DCP FastForward event (featured in the October issue of DCP Today) emanating from the San Diego County Office of Education. The Marin County showcase provided participants an opportunity to learn more about distance education initiatives underway in Marin and around the state. Included in attendance were a number of area school board members, district superintendents, teachers and members of the community. A wide variety of distance education applications were presented to the group in a fast moving format, commencing with a live video stream from San Diego.

The morning moved on to a series of presentations demonstrating a variety of distance learning uses such as video streaming for the classroom, a virtual field trip to the Columbus Zoo, and a videoconference with sixth graders from the Lagunitas Middle School in Marin, where students are participating in the California State Parks K-12 outreach program. The students presented the group with a sample introduction to the ecology of the Lagunitas Creek that runs through the nearby Samuel Taylor State Park. Many remarked after the event that the Lagunitas presentation was most exciting because it showed students in action using the technology.

Representatives from UC Berkeley then introduced a number of K-12 services available from UC, such as access to webcasts of Berkeley's freshman Digital Chemistry lectures, the Conversations with History project, the UC College Prep Initiative, and the California Digital Library.

Finally the audience "traveled" to Sonoma State University via videoconference to hear an overview of Light Bridge Teacher Education Project and how the project uses distance learning systems to support the teaching, supervision, and mentoring of pre-service teachers.

### **Imperial County Uses CalREN/DC Network for IP Video Conferencing**

The Imperial County Office of Education (ICOE), in partnership with a consortium of schools and public agencies, has positioned Imperial County to take full advantage of the Digital California Project (DCP).

A countywide gigabit Ethernet network is being constructed to connect schools and public agencies to a new breed of network applications. Schools connected to the ICOE DCP node via this high-speed fiber optic network are positioned to begin utilization of the DCP to its fullest potential.

One specific application implemented with great success in Imperial County is IP video conferencing. "We have a vision and have stayed true to it. IP video conferencing is beginning to change the way we do business," states Todd Finnell, Director of ICOE Learning Technologies. "Our next interest is in making IP videoconferencing a reality between DCP node sites. The opportunities for regional collaboration and professional development in particular are very exciting."

ICOE has used IP video conferencing for the past three years and has assisted several schools and other agencies in developing implementation plans for this application. There are approximately 200 end points (active videoconferencing devices) currently on their network, all utilizing H.323 IP video conferencing.

Learn about their implementation of IP video conferencing at: <http://www.icen.org> or contact Todd Finnell at [tfinnell@icoe.k12.ca.us](mailto:tfinnell@icoe.k12.ca.us) for additional information.

#### **CalREN/DC Network Update**

Fifty-four of California's 58 counties are now connected to the CalREN/DC Network with the recent connection of Modoc and Trinity Counties, two of California's most Northern and remote counties. Once Mono County is connected, expected by the end of 2002, only Del Norte, Humboldt, and Alpine Counties will await connectivity.

The following is a summary of the status of these remaining three counties:

**Alpine County:** CENIC is awaiting circuit availability for Alpine County. Verizon ran into construction and permit issues related to crossing Native American-owned land. An alternate fiber route has been located and maps approved by Verizon engineers. Unfortunately, with temperatures already reaching as low as 10 to 15 degrees, trenching may be delayed. Additionally, with snow on the ground, a county imposed winter building moratorium may cause additional delays.

**Humboldt and Del Norte Counties:** Both Humboldt and Del Norte Counties are delayed due to unresolved right-of-way issues under negotiation.

#### **Round 2 Build Out Moves Forward**

Most counties are well underway with their Round 2 network enhancements. It is now anticipated that CENIC will add an additional seven Round 2 node sites to the DCP infrastructure. Implementation planning for these additional node sites is now underway. Be sure to follow Round 2 progress in upcoming issues of DCP Today.

#### **California's Online-Learning Potential Evaluated**

In the October 23, 2002 issue of "Education Week", writer Andrew Trotter reported that a recent study has concluded that California's 6 million students would benefit from a statewide system of online courses, or "e-learning," if its education agencies and other organizations worked together to develop such a system. To link to the complete article, please visit <http://www.edweek.org/ew/story.cfm?slug=08virtual.h22&keywords=Online%2DLearning%20Potential%20Evaluated>

#### **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, SBC, 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.

#### **Subscription Information**

You can subscribe to DCP Today online by visiting our website:

[http://www.cenic.org/dcp/dcp\\_today/DTcover.html](http://www.cenic.org/dcp/dcp_today/DTcover.html)

Or, you can subscribe to DCP Today by sending e-mail to

[listproc@cenic.org](mailto:listproc@cenic.org)

with the following request in the message body:

```
subscribe dcp-today youremailaddress
```

To unsubscribe, send email to

[listproc@cenic.org](mailto:listproc@cenic.org)

with the following request in the message body:

```
signoff dcp-today
```



Website questions: [webmaster@cenic.org](mailto:webmaster@cenic.org)  
Last Update: December 14, 2004