



ITEST UPDATE

April 2010

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Contact Us

<http://itestlrc.edc.org/contact>

Web: <http://itestlrc.edc.org>

About ITEST

* The ITEST program was established by the National Science Foundation in direct response to current concerns and projections about the growing demand for professionals and information technology workers in the U.S. and seeks solutions to help ensure the breadth and depth of the STEM workforce.

Learn about the program at <http://itestlrc.edc.org/about-itest-lrc>

What's new

SEVENTH ANNUAL NSF ITEST SUMMIT ARCHIVES

STEM Career Development: Nurturing Interest, Persistence, and STEM Self-efficacy

View the archives at: <http://itestlrc.edc.org/seventh-annual-nsf-itest-summit>

ITEST Learning Resource Center, ITEST project staff, NSF staff, and invited guests:

- discussed activities and promising practices that are shaping the next generation of STEM enabled citizens and our future STEM workforce
- learned about and shared how using technology is exciting and engaging students and teachers in STEM
- explored common interests and potential partnerships with other members of the ITEST community

Upcoming conference submission opportunities/presentations

ITEST projects will be presenting at the following conferences:

NATIONAL AFTERSCHOOL ASSOCIATION (NAA)

April 19-21, 2010 – Washington DC

At the NAA Convention this year, there will be an ITEST track to examine different dimensions of STEM learning and STEM workforce development in afterschool. The schedule includes 3 breakout sessions and a closing plenary, with 6 ITEST projects and the LRC represented. Session descriptions <http://itestlrc.edc.org/itest-national-afterschool-association-convention-2010>.

AMERICAN EDUCATIONAL RESEARCH ASSOCIATION (AERA)

April 30-May 4, 2010 - Denver

Presenting at AERA? Login and post the information on the ITEST website <http://itestlrc.edc.org/itest-american-educational-research-association-aera-annual-meeting-2010> or email the information to Cynthia Newson at cnewson@edc.org.

Recent conference presentations

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ITEST had a strong presence at the NSTA, SITE and NARST conferences, view presentation by clicking the links below:

NATIONAL SCIENCE TEACHERS ASSOCIATION (NSTA)

March 18-21 in Philadelphia

<http://itestlrc.edc.org/itest-national-science-teachers-association-nsta-conference-2010>

NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING (NARST)

March 21-24, 2010 in Philadelphia

<http://itestlrc.edc.org/itest-national-association-research-science-teaching-narst-annual-international-conference-2010>

SOCIETY FOR INFORMATION TECHNOLOGY & TEACHER EDUCATION (SITE)

March 29-April 2 in San Diego

<http://itestlrc.edc.org/itest-society-information-technology-teacher-education-site-conference-2010>

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SCIENCE REPORTER CLUB LEADERS LEARN INVESTIGATIVE REPORTING - TINCAN E-NEWS MARCH 2010

Teachers leading Tincan's after school Science Reporters Clubs had an opportunity earlier this month to not only learn the fine points of video editing, but also to have a dialogue with KXLY reporter Jeff Humphrey about how to investigate a story and present a balanced viewpoint. Humphrey, a 25-year broadcast journalism veteran, provided examples . . . Read more at <http://www.tincan.org/index.html>

Read about the project: Science Journalism Pathways to STEM Careers at <http://itestlrc.edc.org/science-journalism-pathways-stem-careers>.

VACATION WEEK COURSES DRAW STUDENTS FROM ALL OVER THE CITY – MACHINE SCIENCE E-NEWS WINTER 2010

During the December and February holiday breaks, more than 40 middle school and high school students from all over Boston turned out at Madison Park Technical Vocational school to attend three-day electronics and robotics

courses organized by Machine Science and TechBoston. Read more at <http://www.machinescience.org/whats-new/>

Read about the project: Building an Internet Community of Design Engineers (iCODE) - Collaborative Research at <http://itestlrc.edc.org/building-internet-community-design-engineers-icode-collaborative-research>

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CREST HALL OF FLAGS EVENT IN THE STATE HOUSE ON MARCH 18TH – CREST E-NEWS MARCH 2010

Over 75 students and teachers from 12 CREST schools showcased five years' worth of innovative information technology and community-based school projects. Each school showcased student work through poster displays and interactive projects on laptops, set up throughout the Hall of Flags. Student and teachers presented what they have learned to their Maine senators and representatives . . . Read more and view a video of remarks by legislators, teachers, students and others at

http://itestlrc.edc.org/sites/itestlrc.edc.org/files/CREST_E_News.pdf

Read about the project: Community for Rural Education Stewardship and Technology at

<http://itestlrc.edc.org/communities-rural-education-stewardship-technology-crest-c5>

POINT AND CLICK: HOW TECHNOLOGY IS CHANGING THE CLASSROOM – SHODOR E-NEWS MARCH 2010

From email to interactive white boards, online textbooks to "webinars," teachers are using technology to communicate ideas to students in more engaging ways. In the 2008 Speak Up report, an annual survey of teachers, students, and parents, Project Tomorrow considers how students learn outside of school, saying, "Technology has enabled students to be uber-communicators, and more participatory learners." Read more at

<http://www.shodor.org/about/newsletter/march10/?uniqueHash=VCbQm9>

Read about the project: The SUCCEED Apprenticeship Program at <http://itestlrc.edc.org/succeed-apprenticeship-program>

Opportunities

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ADVANCED TECHNOLOGICAL EDUCATION (ATE)

Program Solicitation 10-539

Preliminary Proposal Due Date: April 22, 2010*

Full Proposal Deadline (due by 5 p.m. proposer's local time): October 21, 2010

*Preliminary proposals are optional, but strongly recommended, especially for institutions or departments that have not previously submitted to the ATE program. Please see the full text of this solicitation for further information. <http://www.nsf.gov/pubs/2010/nsf10539/nsf10539.htm>

BROADENING PARTICIPATION IN COMPUTING (BPC)

Program Solicitation NSF 09-534

Full Proposal Deadline (due by 5 p.m. proposer's local time): May 12, 2010

<http://www.nsf.gov/pubs/2009/nsf09534/nsf09534.html>

NATIONAL STEM EDUCATION DISTRIBUTED LEARNING (NSDL)

Program Solicitation NSF 10-545

Letter of Intent Due Date (*optional*) (due by 5 p.m. proposer's local time): April 24, 2010

Full Proposal Deadline (due by 5 p.m. proposer's local time): May 26, 2010

<http://www.nsf.gov/pubs/2010/nsf10545/nsf10545.htm>

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NGCP APRIL WEBCAST - WHY SO FEW? WOMEN IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

Tuesday, April 27, 2010

11:00 AM - 12:00 PM Pacific

Learn from eight recent research findings profiled in the new report from the American Association of University Women (AAUW) titled "Why So Few? Women in Science, Technology, Engineering and Mathematics." The report highlights the important environmental and social barriers that continue to block women's participation . . . Read more at <http://www.ngcproject.org/enewsletters/NationalGirlsCollaborativeProjectE-NewsletterApril10.html>

ITEST social media links

ITEST Facebook: <http://www.facebook.com/ITEST.Learning.Resource.Center>

ITEST Twitter: http://twitter.com/ITEST_LRC

The ITEST Learning Resource Center