

ISTE NETS on the Digital Edge: Accomplished Teaching With Technology

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DESCRIPTION: Session features video exhibits of National Board Certified Teachers using technology effectively in their classrooms and associated curricular activities addressing ISTE NETS and NBPTS standards.

SUMMARY:

The purpose of this session is to inform the audience of exciting new resources for use in a variety of professional development environments that are designed to be used in preparing teachers or teacher candidates to use technology effectively in their classrooms. This session will provide video examples of exemplary teaching supported by technology with reflections from both the ISTE NETS for Teachers standards development team and National Board for Professional Teaching Standards (NBPTS).

The International Society for Technology in Education (ISTE), the National Board for Professional Teaching Standards (NBPTS), and Apple Computer joined forces to support new electronic learning environments where teaching resources and collaboration can occur. The resources will strengthen the mentoring relationship between the preservice teacher and experienced educators who guide them through the capstone student teaching and field experiences and/or provide opportunities for teachers to communicate for purposes of exchanging ideas for effective teaching.

Research has indicated that successful development of new teachers depends heavily on the student teaching experience. Key elements in the success of the new teacher include the collaboration and communication between the student teacher, the university supervisor, and the cooperating teacher; as well as, the models for excellent teaching that the student teacher observes and interacts with during this important phase of preparation. The Digital Edge project strengthens key experiences for student teachers by developing new strategies for a technology-based learning and communications environment. This environment provides a communications vehicle for a cohort of highly effective teachers who guide student teachers in their development.

A digital library of videos show examples of effective teaching with technology. National Board Certified Teachers (NBCTs) were videoed and support materials for each lesson including the teachers' own reflections were developed. Their reflections and those of National Board and ISTE representatives provide insights into the lessons and how those lessons address best classroom practice as well as NBPTS standards and National Educational Technology Standards (NETS).

The university teams and the NBCTs will develop curricula for integrating the digital library resources systematically providing resources first for early childhood and upper elementary; and then middle and secondary grade levels over the course of the project.

The project cohorts of ten -- one University Supervisor, three Preservice Teachers, plus their three respective National Board Certified Mentors and three K-12 Cooperating Teachers -- will begin Fall 2001 using their redesigned student teaching curriculum, digital video resources, and collaborative environment at each of the three collaborating university partner institutions: California State University, San Marcos; George Mason University, and Louisiana Tech University. The video exhibits, curriculum activities, and online collaborative environment may also provide opportunities for professional development and collaborations among inservice teachers as well.

The strong collaboration among the National Board Certified Teachers (NBCTs), university and K-12 faculties, and the preservice teachers will establish new learning environments resulting in future generations of teachers with high professional expectations and abilities related to effective use of technology in the classroom.

Participants will leave this session having experienced visual examples of how technology can be used effectively to support student learning, reflections from highly accomplished teachers (National Board Certified Teachers) on the

lessons and how technology standards and National Board for Professional Teaching Standards have been met within the lesson, and with information regarding how the resources from this project can be accessed for use in their districts, universities, or classrooms.

Resources can be found at the following Internet locations: <http://cnets.iste.org>, <http://www.nbpts.org> and <http://www.apple.com>

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