Calit2 Research
Capabilities and Opportunities for Collaboration in Digital Education
Mission

- Help ensure that California maintains leadership in telecommunications & information technologies
- Extend reach of Internet throughout the physical world
- Bring together researchers from UCSD, UCI and industry to accomplish this mission
- Develop educational and economic impact
Calit2 Researchers are Using IT to Help Reshape Education

- Developing IT to enhance education delivery
- Working with social scientists to study the efficacy of IT teaching tools

- How do teachers and students actually use the technologies?
- Which technologies work best and why?
- What new applications are students developing?
- What technology gaps need to be filled?
The Education – IT Connection

➤ Improve Teacher Performance
  • On-line professional development
  • Software development such as ePortfolio and WebPlan
  • Case studies of classroom practices using Videocase

➤ Connected Learning Community
  • Teacher – Student – Parent Connection
  • School – Home – Community Collaboration
  • Anytime/Anywhere Empowerment

➤ Classroom of the Future
  • Internet and wireless connectivity
  • Interactive SmartBoards
  • Build collaborative centers of learning
Technology in Education Supports

- Training
- Information Access
- Creative Talent Development
- Digital Literacy
- Learning Communities
- Social Cohesion
Calit2 Irvine Education Projects

- **Wireless Learning Communities**
  - Collaboration with CPCC to develop social organizer software
  - Study of UCSD Sixth College students

- **Technology Training for Pre-Service Teachers**
  - Curriculum
  - Internships

- **On-line Professional Development for In-Service Teachers**
  - Huntington Beach Ocean View K-12 District
  - Collaborative research with CPEC and CSUF

- **Networking Images for Cognitive Development (“Picturing Peace”)**
  - Northern Ireland and Santa Ana K-12 schools

- **Development of Computer Games for Science Education**