Your Presentation Submission
Title: Technology Transformation for Standards Based Instruction
Submitted: July 06
Primary: Mr. Kerry Koide
Secondary: Mr. K. Kim
Track: Technology Leadership for Transformation
Framework: Education and Training, Communication Systems
Summary: Technology moves at a very fast pace and Standards Based Instruction must keep up with the changing student population. New and emerging technology can support the instructional activities that define the multimedia-learning environment that our students live in today. The Internet and multimedia computers provide the playground for our teachers and students to explore new ways to attain Standards.
Objective: Participants will discuss new and emerging instructional technologies. Participants will describe strategies for transformation.
Abstract: Roundtable Discussion: Hawaii’s students are spread across seven islands and are faced with some unique challenges. The national No Child Left Behind effort has created some special situations that require the use of technology to level the playing field. Video conferencing capabilities are being deployed across the state to address some of these issues. The network infrastructure must be upgraded to support the demands of IP video conferencing and virtual learning environments for students across the state. Some unique solutions that allow fiber backbones to deliver 100 megabit and even gigabit Ethernet access to some schools on Oahu are explored. Internet 2 capabilities are available at selected schools. Under sea fiber connections and cable modems connect some of our neighbor island schools to the statewide high-speed network. Hardware requirements are also of concern for students in the remote areas. Access to the statewide resources must be user friendly and address the needs of multiple populations. The instructional models that take advantage of this technology are student centered and project based. Student achievement is a priority and must be supported by the use of this system.
Teachers are able to assign students projects that depend on resources that are not on the school campus. Learning does not stop at the classroom door, but transcends the school community and home. The challenges that have come up in this effort will be shared and some of the solutions that have been implemented will be discussed. Network infrastructure upgrades are necessary to support video conferencing and interactive Internet collaboration. Assessment of student progress is an important part of the delivery of Standards Based instruction. Hawaii is moving to support the changes needed in the educational system with integration of technology.

Audio/Visual Needs:
Agreement: yes