

Sonora Elementary Technology Initiative

**Presented by Glenda Sinclair
For the Sonora Elementary Technology Committee**

March 2011

By the end of this presentation you will have heard about:

- Our vision for technology upgrade
- Recommendation on deployment
- Support requirements
- Critical timelines and assumptions for deployment
- An invitation to hear more about the technology
- Identification of next steps

4 Phases

- **Aug 2011 –**
 - Infrastructure upgrade, LAN, WAN (Opteman), Servers, Switches, lab new power, HVAC, Interactive Whiteboards in all classrooms.
- **Aug 2011-Dec 2011**
 - Software selection for Lab applications
 - Lab upgraded to Thin Client\VDI. New teacher and admin devices – Thin client, VDI based environment
- **Jan 2012-Aug 2012**
 - 6 student devices in every classroom, Sound
 - Staff development
 - Software selection to support curriculum in classroom
- **Aug 2012 to Aug 2015 –**
 - Additional Student devices (up to 100%)
 - Additional staff development, additional educational tools

3 Phases to Success

Phase 1 – complete 8/1/2011

- Upgrade LAN
- Implement a Virtualized Desktop Environment (VDI) to reduce support costs and an infrastructure capable of supporting new VoIP phone and other applications
- Complete Interactive Whiteboard installation through all classrooms
- Add full time support (for 3 years) for Teaching staff for 21st century campus technology initiatives.

3 Phases to Success

Phase 2A – complete 12\2011

- Upgrade servers and computer lab to a virtualized desktop environment to support:
 - Longer productive lifecycle for end user devices
 - Centralized support\maintenance reduces technology support burden
 - Centralized environment highly scalable to support future growth needs while
 - Test of end-user acceptance of Thin client desktops and technology maintenance requirements. Lab support becomes easier.

3 Phases to Success

Phase 2B – complete 08\2012

- Teacher devices upgraded (either laptops or thin clients with remote access capability)
- Administration devices upgraded
- Up to 6 student devices in each classroom (K through 6, and all Resource classrooms) using approved educational software
- Teaching staff trained in use of new software applications for students

3 Phases to Success

Phase 3 – complete 2013-2015

- Increase student\computer ratio to up to 100% by 2015 by adding additional student devices and software applications for individualized learning(to be determined)
- Organizational development to focus on professional development and support for staff to meet curriculum goals

Information Technology Leadership \support roles identified

IT management, strategic planning, procurement, budgeting, technology use policy, software licensing, support services mgmnt, vendor mgmnt, project mgmnt

Staff Development and Support for 21st century classroom skills development. Teaching background, experience in lesson plan development, model teaching

Desktop Management, help desk, PC support, Printers and other peripherals, Smartboard support, Website Management, Office products support

Network, Server Management Telecommunications, VoIP phone support

Industry Leaders Chosen

- Dell and HP leading providers of Blade Servers for Virtual Desktop Environment
- HP, Dell, Cisco leading providers of telecommunications equipment
- Smartboard, Prometheum
- VMWare, Citrix and Microsoft Hypervisor software for VDI
- Microsoft Windows Desktop, Microsoft Office or Open office for productivity

Assumptions

- SES Board of Trustees \ Administration approves project goals
- Bond Money is available in June to begin project
- Final specifications for Phase 1 are internally approved by March 31st, 2011 through April 5th, 2011

Assumptions (Continued)

- Support available through deployment
- Bid support is available in March to ensure legal requirements are met for RFP
- Request for Proposals complete and posted by April 15th-April 30th, 2011
- Vendor selection and contract negotiations (for Phase 1 and 2A) complete by May 15th, 2011

Assumptions

- Project Manager selected and approved by board by April 1st, 2011
- Staff development support resource approved by board by April 1st, 2011 (primary focus to support development of Interactive Whiteboard implementations, identification of classroom and lab software applications and development of training plans for the above)

Next Steps – Board discussions

- Education on technology solutions
- Detailed discussions on recommended deployment
- Plan to develop organizational resources for staff development support; educational curriculum
- Plan to develop organizational resources for technology support
- Plan to develop agreement on equipment procurement approach (piggyback on existing contracts, WSCA contracts, RFP, etc.)