

District Technology Plan
 Central Valley School District
 2007 - 2010

Technology Vision Statement:

To thrive in today's world and tomorrow's work place, Central Valley students learn how to learn, learn how to think and have a solid understanding of the use and benefits of technology. Therefore, Central Valley schools will provide students and staff with the means to enhance the best of traditional learning by embracing the unprecedented opportunities technology offers.

Action Plan:

Goal:	Technology Literacy for Students				
SMART Goal:	By the spring of 2010, 80% of all 8th graders will be at Tier 2 or 3 on the technology literacy indicator scale.				
Strategy:	Utilizing technology encore classes, students will continue to develop their technology skills and be given the opportunities to use the District's technology resources to access, retrieve, evaluate and interpret visual/auditory information.				
Rationale:	Computers, peripherals, networks, and the Internet are modern digital tools that allow students to find and utilize real-time information in a way that mirrors the global society in which they are growing and in which they will work.				
Activities/Task	Professional Development	Timeline	Resources Amount / Type / Description	Who is Responsible?	Monitoring Effectiveness
Provide students with access to technology and opportunities to utilize technology for information access and evaluation.	N/A	9/3/2007 - 6/30/2010	3000.00 / Software / Updated software for lab computers	Intermediate and Middle School Teachers; Technology Supervisor.	Lab sign-in forms
Provide technology courses for students in grades 6 through 8 that support the ISTE NETS.	On-demand staff development, clock hour courses & inservice.	9/3/2007 - 6/30/2010	1800.00 / Software / Use Existing labs, Office software and building developed curriculum	Middle school principals, teachers and Technology Supervisor.	Increased number of students meeting the Tier 2 & 3 standard.
			N/A Training In-District		

Teachers in grades K through 12 will begin incorporating the CVSD Peer Student Technology Standards into their curriculum.	On-Demand Coaching, inservice, classes and individual, and small group technology integration instruction.	9/3/2007 - 6/30/2010	N/A / Training /	Training will be provided by using In-district resources	Intermediate and Middle & High School Teachers; Technology Supervisor.	Individual classroom assessment.
				Existing classroom computers, standard Office software & staff development materials		

Procedures for evaluating success in reaching this goal Data collected on the 8th Grade Technology Literacy Survey

Goal: Technology Integration for Educators
 SMART Goal: 55% of the District's teachers will integrate technology at the levels described by Tier 2 on the Teacher Technology Literacy Self-Assessment Survey before June of 2010.

Strategy: Utilizing the District's full-time Technology Staff Development instructors, we will develop a peer coaching model as a means to provide teachers with embedded professional development, support and inspiration.
 Rationale: Research supports peer coaching as a strategy that is much more effective than workshops, seminars or conferences.

Activities/Task	Professional Development	Timeline	Resources Amount / Type / Description	Who is Responsible?	Monitoring Effectiveness	
Develop the skills in one teacher to serve as a peer technology coach to provide quality professional development and instructional support to other educators in their building	Peer Coaching Training on models of effective coaching strategies	9/3/2007 - 6/30/2010	N/A / Training /	Training will be provided by using In-district resources	Supervisor of Technology; Technology Staff Development school principals; Peer Coaches	Peer Coaching evaluation criteria Completion of this task.

Peer coach works with their building's staff to support them on problem-based learning and technology integration.	Models of problem-based learning and effective strategies for technology integration	9/3/2007 - 6/30/2010	N/A / Training /	District's Extra-Curricular Stipend	Supervisor of Technology; school principals; school tech coaches	Staff & student PILOT surveys WASL scores

Procedures for evaluating success in reaching this goal Data collected through the Technology Integration Survey

Goal: 9 Characteristics
 SMART Goal: By spring 2010, 60% of the District's teachers and administrators will utilize the District's Intranet to collect and share data.

Strategy: Through inservice, and on-demand training, teachers and administrators will learn to use Sharepoint sites.
 Rationale: Central Valley School District has adopted the Nine Characteristics of High Performing Schools as a model for school improvement. The fourth characteristic focuses on High levels of collaboration and communication. It is expected that the Sharepoint sites will provide a meaningful means to accomplish this characteristic.

Activities/Task	Professional Development	Timeline	Resources Amount / Type / Description	Who is Responsible?	Monitoring Effectiveness
Using Microsoft's Sharepoint, templates will be developed to allow teachers and administrators to build information sites that will be used to collect and share data.	The staff development team will provide training in the fall of 2007, fall and spring of 2008, 2009, & 2010.	9/3/2007 - 6/30/2010	5000.00 / Materials / Sharepoint licenses	Technology Staff Development team, Supervisor of Technology, teachers and district administrators.	Number of sites and usage reports

Procedures for evaluating success in reaching this goal Annual assessment as to the number of sites developed and usage reports.

- Inventory: The district has completed the current online technology inventory and will continue to do so annually.
- CIPA Compliance: The district has completed the current Form 479 and will continue to do so annually.

District-Level Network and Telecommunications Plan - Part 1

District Technology Standards: The Central Valley School District maintains a Windows network, utilizing PCs. Our minimum specifications are:

PC.....Pentium III/IV/Celeron/AMD; 1 GHz or higher

Minimum specs for servers: Pentium IV 1.5 Ghz

Software used district-wide with main function noted:

All Staff Workstations:

- Spreadsheets.....MS Excel
- Presentation.....MS PowerPoint
- Word-processing.....MS Word
- E-mail.....MS Outlook
- Web.....Internet Explorer
- Antivirus.....Command
- Web Filter.....Websense

Administrative Workstations may also include:

Vax Communication.....Reflections (Windows)

Secondary Teacher Workstations also include:

Grading Software.....Easy Grade Pro

In addition, a number of miscellaneous and specialized software packages are used at specific grade levels. Our goal is to reduce the number of unique software packages used district-wide to reduce support costs.

**Budget
Summary:**

Year 1 2007-2008

Priority 1

Complete Fiber Network.....\$185,206.00.....District Capital
Phones & Fiber Lease.....\$124,887.00.....District General

Priority 2

Outside Technical Support.....\$ 49,062.00.....Technology Services
Infrastructure Maintenance & Upgrades.....\$ 75,000.00.....Technology Capital

Maintenance, Upgrades & Support

Technology Department Salary & Benefits.....\$652,307.00.....District General
Technology Staff Development Salary & Benefits.....\$135,000.00.....District General
80% E-Rate Buildings - Technology Support.....\$236,740.00.....E-Rate Reimbursement

Year 2 2008-2009

Priority 1

Phones & Fiber Lease.....\$124,887.00.....District General

Priority 2

Outside Technical Support.....\$ 49,062.00.....Technology Services
Infrastructure Maintenance & Upgrades.....\$ 75,000.00.....Technology Capital

Maintenance, Upgrades & Support

Technology Department Salary & Benefits.....\$684,922.00.....District General
Technology Staff Development Salary & Benefits.....\$141,750.00.....District General
District Technology Grant Program.....\$100,000.00.....E-Rate Reimbursement

Year 3 2009-2010

Priority 1

Phones & Fiber Lease.....\$124,887.00.....District General

Priority 2

Outside Technical Support.....\$ 49,062.00.....Technology Services
Infrastructure Maintenance & Upgrades.....\$ 75,000.00.....Technology Capital

Maintenance, Upgrades & Support

Technology Department Salary & Benefits.....\$719,168.00.....District General
Technology Staff Development Salary & Benefits.....\$148,838.00.....District General
District Technology Grant Program.....\$100,000.00.....E-Rate Reimbursement

District-Level Network and Telecommunications Plan - Part 2

E-Rate - Priority One Requests

Voice, Data, Video and Other Priority One Capabilities	Purchase / Budget / Potential Funding Source(s)
<p>Central Valley School District will continue to work toward its goal of providing adequate bandwidth, voice and video capabilities to allow District staff and students the opportunity to effectively and efficiently communicate with parents, colleagues, fellow students and sources of educational and job-related support and instruction. In order to provide these capabilities, the District will: 1) Complete District-wide fiber project. 2) Analyze bandwidth use and insure it is being used effectively and efficiently; increasing the amount of bandwidth it leases when deemed necessary to maintain adequate data flow. 3) Maintain and update when necessary, present telecommunications system(s) to provide staff and students adequate and reliable communication capabilities.</p>	<p>The projected cost to complete the fiber project is \$185,206. The anticipated recurring cost to the District for providing Priority One Capabilities (Leased Wide Area Network, Internet Access, Local, Cellular and Long Distance Telephone Services) to staff and students is approximately \$124,887. The funding sources for these services will include a combination Capital and General Funds.</p>

How will these services support your district's learning goals?

These services support the Central Valley School District's Learning Goals by providing the means of communication that support teaching and learning, provide parents access to information regarding their children's progress, allow staff and students quick access to pertinent information critical to allow them to complete their assigned tasks and duties, provides for a safer environment in which to work, teach and learn.

E-Rate - Priority Two Requests

Hardware/Software/Support	Purchase / Budget / Potential Funding Source(s)
<p>It is anticipated that over the course of the three years to which this plan applies, the Central Valley School District will be replacing, adding and/or upgrading the majority of our existing network hardware and software (Ethernet switches, wireless access points, servers, server software and UPSs). This will be done in order to keep current with industry standards, to help us maintain an efficient, safe and secure network environment and to provide the technology tools necessary for our students and staff to access the resources, develop projects and communicate with others in an efficient and effective manner.</p>	<p>The anticipated cost for network hardware, servers, firewalls, software and basic maintenance of these items is approximately \$224,850 over three years. Funding for hardware and software comes from the Technology Capital Budget.</p>

How will these services support your district's learning goals?

The Central Valley School District has primary goals of improving student learning with an emphasis on Math and Reading success. A number of assessment tools are being used to evaluate the success being achieved in these areas. All staff needs to be able to access, manipulate and understand the data provided from these assessment tools. Technology plays a major role in testing the students, sending and receiving pertinent data, interpreting that data and communicating the results to parents.

Maintenance, Upgrade, and Support Strategies

Description of Maintenance/ Upgrade/Support Strategies	Purchase / Budget / Potential Funding Source(s)	Timeline
<p>It is anticipated that much of the District's existing computer hardware will need to be replaced to keep our inventory current with State technology standards. The District currently has approximately 4700 personal computers and it is anticipated that the number of computers available to staff and students will increase slowly to approximately 5000 machines by 2010.</p> <p>Central Valley School District Technology Department currently has a staff of ten full-time people to provide technology support for approximately 1650 employees, 12,200 students and in excess of 7000 computers and peripherals in addition to a wide array of telecommunications hardware and software. In addition, the District has basic maintenance agreements with outside service providers for technology-related items.</p> <p>The District employs a full-time Technology Integration Specialist and during the life of this plan will hire an additional full-time specialist. Both will provide support for all District staff in a variety of ways, including, but not limited to "in the classroom" technology integration instruction and mentoring, group inservices, one-to-one instruction and after hours clock hour classes.</p> <p>During the life of this plan, the District will utilize E-Rate reimbursement funds to support instruction with technology throughout the district. In 2007 – 2008 the four schools with</p>	<p>All schools in the district will continue to participate in the state's Computers4Kids program which distributes used, refurbished computers to participating school districts.</p> <p>The combined salary and benefits expense of district-provided technology support is approximately \$652,307 in year one and will increase by 5% in each subsequent year.</p> <p>Basic maintenance agreements with outside service providers for networking items amounts to approximately \$49,062 annually. Funding for these support items comes primarily from District's General Fund and the Technology Services budget.</p> <p>The annual cost of providing technology-related staff development to District employees is estimated to be \$135,000 in year one and will increase by 5% in each subsequent year. Funding is provided from the District's General Fund.</p> <p>E-Rate reimbursements over the three-year plan are expected to be approximately \$556,665. In 2007-2008 \$236,740 is allocated for the presentation stations and training. In 2008-2009 and 2009-2010 \$100,000 each year is allocated to fund the building and teacher grant program.</p>	<p>2007-2010 District provided technology support - ongoing</p> <p>2007-2010 Computer hardware/software upgrades - ongoing</p> <p>2007-2010 Basic Network Hardware, Software, Cabling Maintenance - Annual agreement with Service Provider(s)</p> <p>2007 - 2010 Staff Development - ongoing</p>

<p>the highest E-Rate percentage (80%) will receive a presentation station in every grade level and special education classroom and relevant training. In 2008 – 2009 and 2009 – 2010 the District will establish school and teacher technology grants for innovative uses of technology which increase student learning.</p>		
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How will these services support your district's learning goals?

Technology is critical in our district's plan to move towards project-based learning and performance-based assessment. The technology must be kept current and operational and staff and students need to be up to date on hardware and software use if that technology is to be effective in supporting education. A more robust and stable technology infrastructure reduces downtime, decreases user frustration and therefore increases use and productivity. As more distance-learning opportunities are taken advantage of, system users will become more reliant on the hardware, software, network and Internet access. Expectations will be to have a seamless and trouble-free connection to these resources. This will necessitate hardware and software to be up-to-date, a network infrastructure with the ability to handle the increased demands at all times and adequate support being available when needed.

Process to Review and Update Your Plan

Progress Evaluation and Update Activities/Objectives	Person/Team Responsible	Timeline
<p>Review the district technology plan; identify progress and make necessary modifications annually.</p>	<p>District MIS Committee, Building Technology Committees, Curriculum, Instruction and Assessment Director, Technology Director, Technology Supervisor, Technology Support Staff, Central Valley School District Board of Directors</p>	<p>April 2007 Central Valley School District Board of Directors approval of Technology & Learning Plan</p>
<p>Review each school's technology plan; identify progress and make necessary modifications annually. Use surveys and available assessment tools to evaluate the integration of technologies within classroom activities annually.</p>		<p>April 2007 - Office of Superintendent of Public Instruction (OSPI) approval of Plan.</p>
<p>Review the annual on-line technology survey. Determine needs for teacher training in the technology areas and develop appropriate opportunities for workshops.</p>		<p>November 2007 - Technology & Learning Committee review Plan. Update where applicable.</p>
<p>Review evaluations from teachers on staff development workshops and make recommendations for modifications if necessary.</p>		<p>March 2008 - Discuss Technology & Learning Plan status with School Board.</p>
<p>Use assessment tools to gather data on student use of technology. Success is to be determined by: Improvement of</p>		<p>November 2008 - Technology</p>

<p>student scores on Washington State Assessments given at the 4th, 7th and 10th grade. This is our primary indicator of improved student learning.</p> <p>Meeting the technology literacy standards for teachers and students as set by ISTE.</p> <p>Meeting staff development goals, with positive evaluations of training from participants.</p> <p>Meeting and completing the tasks outlined in the district Technology and Learning Implementation Plan.</p>		<p>and Learning Committee review Plan. Update where applicable.</p> <p>March 2009 - Discuss Technology & Learning Plan status with School Board.</p> <p>November 2009 - Begin developing new 3-Year Technology & Learning Plan or update existing Plan if applicable.</p> <p>March 2010 - Complete new Technology & Learning Plan and obtain approval if necessary.</p>
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