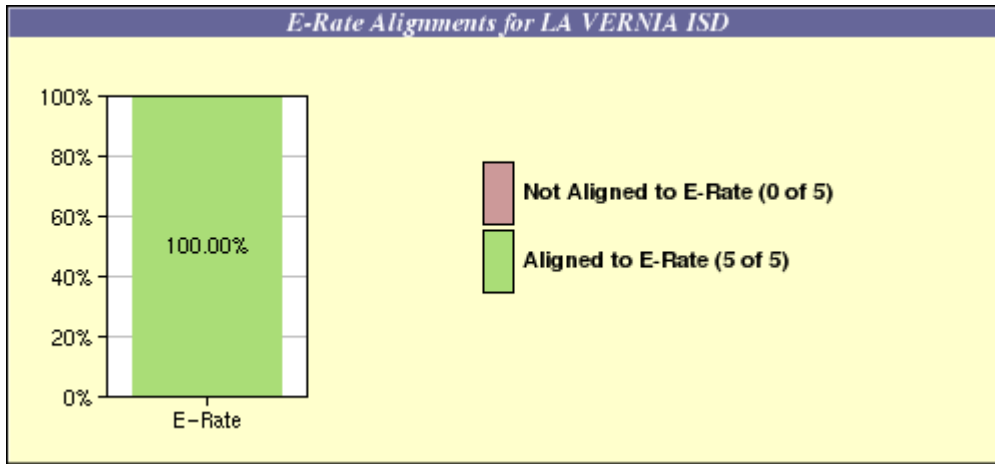


E-Rate Alignment Report for LA VERNIA ISD

Your technology plan matched 5 of 5 E-Rate correlates.



Below is a list of E-Rate statements to which you may have aligned your Technology Plan.

Correlate ID	E-Rate Correlate Statement
ER01	<p>The plan must establish clear goals and a realistic strategy for using telecommunications and information technology to improve education or library services.</p> <ul style="list-style-type: none"> • Objective 1.2: Teachers will integrate technology into the curriculum in all subject areas as appropriate, with special emphasis placed on the core content areas. <ul style="list-style-type: none"> ○ Strategy 1.2.1: Technology integration and implementation lessons focused on meeting required technology proficiencies and integrating technology throughout the curriculum will be provided on an ongoing basis, individualized to meet the needs of each teacher based on benchmarking results. ○ Strategy 1.2.2: Teacher technology implementation levels will be assessed using various measures including PDAS results and the Teacher STaR Chart, providing a snapshot of technology integration within each classroom. All teachers must take the Teacher STaR Chart assessment at least once yearly. ○ Strategy 1.2.3: Technology integration will be a part of all

campus improvement plans created by each school's Campus Site-Based Committee.

- Strategy 1.2.4: Every teacher's classroom technology integration and implementation skills will be assessed during PDAS and other classroom observations and teacher appraisals.
- Strategy 1.2.5: All campus administrators and others involved in the teacher and curriculum appraisal process are required to attend research-based training sessions designed to ensure campus and District administrators understand how to recognize, evaluate and promote proper technology integration in the classroom. Training is performed by ESC Region 20 certified trainers.
- Objective 1.4: Technology will be used as a tool to increase the literacy and technology proficiency of parents and the community.
 - Strategy 1.4.1: Campus and District facilities including distance learning live video teleconferencing systems, library computers, multimedia computer labs and streaming content servers will be made accessible to parents and community members through after-hours use of the High School Library and Distance Learning Center, on evenings and during special midday adult literacy/ESL classes to benefit the parents and the community as staff time and facility/equipment availability allows.
 - Strategy 1.4.2: Summer "Adult Computer Camps" will be offered to parents and the community to improve technology literacy as staff time and facility/equipment availability allows.
- Objective 3.2: Administrators, staff and teachers will use online methods of information delivery to communicate with stakeholders, parents and the community.
 - Strategy 3.2.1: All staff will be encouraged to use electronic means to communicate student progress and school activities and events, including e-mail, campus and District web pages, and online newsletters.
 - Strategy 3.2.2: District and campus web pages will be maintained and updated with information relevant to parents and community members including job announcements, meeting dates/locations and educational opportunities.
 - Strategy 3.2.3: The La Vernia ISD Long-Range Technology

Plan and all associated policies and information will be updated regularly by the Technology Committee and posted on the Technology section of the District web page.

- Objective 3.3: Administrators, staff and teachers will use electronic productivity tools to streamline information processing and reporting and to facilitate the decision making process.
 - Strategy 3.3.1: Library automation software will be used and maintained by all campuses.
 - Strategy 3.3.2: Electronic means will be used to track technology inventories and work orders.
 - Strategy 3.3.3: Teacher and staff evaluations will be maintained electronically.
 - Strategy 3.3.4: The La Vernia ISD Long-Range Technology Plan and all associated policies and information will be updated regularly by the Technology Committee and posted on the Technology section of the District web page. The plan will be written before filing the E-Rate Form 470 and submitted for approval or update/renewal as required by E-Rate Form 471 and receipt of services guidelines.
- Objective 4.1: The LAN/WAN infrastructure will be optimized to meet all needs of the District.
 - Strategy 4.1.1: The La Vernia ISD privately-owned fiber WAN links (currently Gigabit Ethernet or better) and copper LAN links (currently switched 100Mbps or better) and all related switching equipment will be maintained and upgraded/expanded as necessary.
 - Strategy 4.1.2: Existing Ethernet wireless access points will be maintained and upgraded/expanded as necessary, and new wireless access points will be added as needed to support campus-wide wireless access on every campus and in the administrative offices.
 - Strategy 4.1.3: The District will maintain sufficient network server and storage resources to meet the needs of all instructional and administrative endeavors, and will upgrade and/or replace this equipment as needed to meet future growth and technological development.
 - Strategy 4.1.4: The Intranet will be accessible from all computers District-wide, and roaming profiles will enable

access of key files and software by any user from any computer.

- Strategy 4.1.5: The District will continue to work to secure outside funding and discount sources including E-Rate to maintain and enhance network infrastructure. The Technology Plan will be written and updates/approvals sought as required by E-Rate regulations.
- Objective 4.2: Internet connectivity will be maintained throughout the District.
 - Strategy 4.2.1: The Internet will continue to be accessible on every computer and in every classroom and office District-wide; as an integral element of this process, the Technology Plan will be written and updates/approvals sought as required by E-Rate regulations.
 - Strategy 4.2.2: Routers, web servers and e-mail servers will be maintained and upgraded/replaced as necessary to insure La Vernia ISD maintains its web presence and that the Internet and e-mail is available from every computer District-wide.
 - Strategy 4.2.3: Links to ISPs (Internet Service Providers) including T1, DS3 and other data circuits and the associated Internet access will be secured and maintained as appropriate to insure Internet connectivity and a web presence for La Vernia ISD. As an integral part of this process, the Technology Plan will be written and updates/approvals sought as required by E-Rate regulations.
 - Strategy 4.2.4: The District will maintain interactive web-based services, including streaming content, with both internal and external components.
 - Strategy 4.2.5: District and campus web sites will be maintained, and will be optimized to support the needs of students, teachers and staff.
 - Strategy 4.2.6: The District will continue to work to secure outside funding and discount sources including E-Rate to maintain and enhance Internet services. Integral to this process, the Technology Plan will be written and updates/approvals sought as required by E-Rate regulations.
 - Strategy 4.2.7: District will connect to Internet2 and advanced Statewide telecommunications network to support enhanced

communication and provide enriched web-based content.

- Objective 4.3: The telecommunications infrastructure will be optimized to meet all needs of the District.
 - Strategy 4.3.1: The POTS (Plain Old Telephone Service) and T1/PRI-digital-line-based land-line telephone system and all required analog and/or digital and/or multiplexed voice and fax lines will continue to be maintained and upgraded/replaced as necessary to ensure accessibility on all campuses and in all offices as needed to support the mission of the District. Integral to the process, the Technology Plan will be written and updates/approvals sought as required by E-Rate regulations.
 - Strategy 4.3.2: Long-distance service in support of all District land-line phones will be maintained and adjusted as required to ensure cost-effective, reliable access. Integral to the process, the Technology Plan will be written and updates/approvals sought as required by E-Rate regulations.
 - Strategy 4.3.3: Cellular telephone services, including access (both traditional and web-based phone access capable of providing e-mail and web browsing functionality) and telephones, will be maintained and adjusted as required in support of the educational purposes of the District in a cost-effective reliable fashion. Integral to the process, the Technology Plan will be written and updates/approvals sought as required by E-Rate regulations.
 - Strategy 4.3.4: The District will continue to work to secure outside funding and discount sources including E-Rate to maintain and enhance telecommunications services. Integral to the process, the Technology Plan will be written and updates/approvals sought as required by E-Rate regulations.
 - Strategy 4.3.5: The District will continue to transition from the old Nortel Meridian digital phone system to the new 3Com VCX Voice-over-IP (VoIP) IP Telephony-based system to improve communications availability and lower telecommunications system maintenance and support costs.
- Objective 4.4: The District will continue to work towards optimal user to computer ratios.
 - Strategy 4.4.1: La Vernia ISD will maintain a student-to-computer ratio of at least 1:3 overall, and a teacher/professional-to-computer ratio of 1:1. In computer labs and technology labs, and mobile cart-based laptop labs,

student-to-computer ratios will be maintained at 1:1.

- Strategy 4.4.2: When feasible, special-purpose computing devices such as mobile wireless laptop computer labs, thin-client terminals, handhelds, tablet and “palm” computing devices will be used to lower student-to-computer ratios in innovative and cost-effective ways.
- Objective 4.5: The District will continue to investigate and assimilate emerging technologies as appropriate to enhance teaching and learning.
 - Strategy 4.5.1: The existing distance-learning live video teleconferencing systems located in every school will be maintained and upgraded as needed to facilitate distance education and promote collaborative learning and interaction between schools, students, teachers, the community and content providers.
 - Strategy 4.5.2: The existing District-wide IPTV and streaming web-based video-on-demand system will be maintained and upgraded/expanded through the addition of new content engines and new content to facilitate and promote just-in-time learning and the inclusion of innovative learning resources.
 - Strategy 4.5.3: Special-purpose computing devices such as mobile wireless laptop computer labs, thin-clients, handhelds, tablet and “palm” computing devices will be used in every school to provide students access to innovative technologies allowing non-traditional learning.
 - Strategy 4.5.4: Shared use and increased quantities of SmartBoard devices, digital video projectors, scanners, digital cameras and digital camcorders will continue to be available in every school to allow teachers and students to present and collaborate in innovative and non-traditional methods.
 - Strategy 4.5.5: Partnerships and memberships with innovative distance learning and streaming content providers (including the Educational Service Center, Region 20) will be maintained in order to access the broadest range of instructional and professional development content, including VFTs (Virtual Field Trips).
- Objective 4.6: The District will continue to take all measures necessary to ensure the security and protection of all data and equipment, and to ensure the safety and privacy of all users.

- Strategy 4.6.1: District data, storage systems and servers will be protected from unauthorized access and data corruption through the use of hardware firewalls, intrusion detection, anti-spam and anti-virus software. In the event of data theft or an intrusion or hacking incident which compromises data, notifications will be made as appropriate in compliance with the Texas Identity Theft Enforcement and Protection Act.
- Strategy 4.6.2: Physical protection and security of all data equipment will continue to be maintained using climate-controlled locking wiring closets and locking enclosed racks. Access to wiring and server closets is tightly controlled by the Technology Department. All equipment including servers, switches, routers, phone switches and administrative workstations is protected by battery back-up UPS systems. All computing and printing equipment not protected by UPS systems is connected to individual or room-level surge suppression systems.
- Strategy 4.6.3: Data transmitted via wireless technologies and/or via the Internet will be protected through the use of encryption technologies and SSL certificates.
- Strategy 4.6.4: All District data will continue to be protected from corruption and loss in a method compliant with FERPA, the Texas Identity Theft Enforcement and Protection Act, and Sarbanes-Oxley through the use of automated archival tape backup servers. Backups of all critical data are refreshed nightly, and full backups including server boot images are regularly removed and archived securely offsite as part of La Vernia ISD's Disaster Recovery Plan. Archives subject to discovery requests will be maintained in a searchable format.
- Strategy 4.6.5: Students and all users will be protected from harmful Internet content through the use of CIPA-compliant advanced content filtering by LightSpeed. The filtering parameters are assigned by user ID and are age-and-grade appropriate. User-ID-based filtering parameters insure that any student authenticating to the network on any computer, even in an office, will be protected from harmful content.
- Strategy 4.6.6: Acceptable and appropriate use of all District technology is maintained through extensive signed AUPs (Acceptable Usage Policies) including Student AUPs, Employee AUPs, Library Patron/Community Member AUPs, Acceptable Posting Policies, Cellular and Wireless Phone

	<p>AUPs, DL/Video Release Forms and more. These policies are available in the Appendix.</p>
<p>ER02</p>	<p>The plan must have a professional development strategy to ensure that staff know how to use these new technologies to improve education or library services.</p> <ul style="list-style-type: none"> • Objective 2.2: All teachers will be encouraged to meet SBEC standards for technology literacy. <ul style="list-style-type: none"> ○ Strategy 2.2.1: Test teachers using benchmark exams and supporting customized professional development units to insure all teachers meet required TEA technology proficiency standards. ○ Strategy 2.2.2: Provide incentives for teachers meeting required proficiencies, including wireless laptop computers and digital cameras and camcorders. ○ Strategy 2.2.3: Offer video professional development and best practices video content designed to increase teacher technology proficiency utilizing the Districtwide streaming content systems. • Objective 2.3: Teaching practices will be transformed to promote student-centered learning through the use of collaborative environments, specialized curricula and innovative technologies and methodologies. <ul style="list-style-type: none"> ○ Strategy 2.3.1: Distance learning opportunities are encouraged whenever possible including VFTs (Virtual Field Trips), connections between campuses and grant consortium members, and with educational content providers including the ESC Region 20. ○ Strategy 2.3.2: External technology courses will be provided as appropriate for all teachers through ESC Region 20 and content providers such as Connected University. ○ Strategy 2.3.3: Teacher technology academies will provide teachers with the necessary instruction to learn the skills required to meet the required proficiency guidelines; the instructors will model best practices, and the sessions will be captured digitally and made available via the streaming content system for future reference. Each participant will produce a technology-infused lesson for use in their content area.

ER03

The plan must include an assessment of the telecommunication services, hardware, software, and other services that will be needed to improve education or library services.

NEEDS ASSESSMENT INFORMATION

Assessment Process	Needs assessment is ongoing and consists of gathering information through various sources including user requests, teacher surveys, campus improvement plans, inventories, inventory aging reports, grant requirements and results from the Professional Development and Appraisal System (PDAS) and Texas STaR (School Technology and Readiness) Chart. The results of these assessments, with emphasis placed on the STaR Chart data, is analyzed to determine needs in infrastructure, resources, professional development and technical support. Results from student benchmark testing and other performance indicators including TAKS mastery is used to determine areas of highest student need. The needs assessment process is guided by the principle of total cost of ownership (TCO) as it relates to balancing the need to maintain up-to-date technology with cost-effective long-term maintenance of our rapidly growing District's investment in technology. It is the goal of La Vernia's TCO efforts to maximize the utilization and efficiency of the technology infrastructure, including human infrastructure. TCO efforts help eliminate being saddled with "ten year old systems that have been upgraded to death" while insuring each system is utilized to its fullest during its useful lifespan. La Vernia ISD's TCO guidelines are included in their entirety as an appendix.
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Existing Conditions	La Vernia ISD currently has a District-wide privately-owned fiber optic WAN utilizing Gigabit Ethernet, a fully switched minimum 100Mbps Ethernet LAN connecting every school, classroom and office Districtwide to the Intranet, and CIPA-compliant Internet access available on every computer in every classroom and office. Wireless Ethernet access is available on every campus and in every administration building. La Vernia ISD owns and maintains its own web, e-mail and file servers, and is connected to the Internet via five T1 lines. One of the T1 lines is connected to the Education Service Center, Region 20, providing distance-learning and video distribution
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services, as well as ISP services. The other four T1 lines are connected to AT&T for direct Internet access. Two lines were added during 2006 in order to realize increased throughput and keep up with growth in the number of users and computers. District and campus websites are maintained for both internal use and external communication with parents and the community. E-mail is provided for all teachers, staff and administrators, and may be accessed from anywhere on the Internet. Streaming web-based video content is available from multiple District-owned Cisco IPTV content servers, and a Cisco content engine provided through a TARGET grant with Region 20. Through a TIE grant with Edgewood ISD in conjunction with a TIF distance learning grant, there is an IP-based distance learning live teleconferencing system installed on every campus. There are now over 1,400 multimedia computers installed for student, teacher and administrative use, most of them of the Pentium III or Pentium 4 class. Overall access ratios are 1:3 for students and 1:1 for teachers and administrators. Many of these computers are converted into or purchased as thin-clients for use with Terminal Services so that the user experiences a fast, responsive multimedia environment, even on an aging computer. The thin clients have allowed us to make high-speed Internet and applications available to students and teachers without the expenditure required for traditional expensive desktop computers. Server blades and SAN storage are added as needed to support the growing number of thin clients. Over 200 old computers were repurposed into thin client workstations using Windows Terminal Services available from District blade servers last year, maximizing our return on investment instead of writing the equipment off. Every campus has access to shared traditional and hand-held SmartBoard devices, digital video projectors, digital cameras and camcorders, scanners, and other innovative technologies. Through innovative use of funding sources, Elementary, High School and Junior High School have access to mobile computer carts loaded with wireless networked laptop computers in order to facilitate on-demand 1:1 student-to-computer ratios as the need arises. A TARGET2 grant was awarded to La Vernia ISD and its

collaborative partners including Edgewood ISD (see grant summaries in the appendix). This grant funded an innovative Generation Y student technology program in grades 3-12, enhancing student technology skills and then teaching students how to work with their teachers to create a library of web-based technology-infused lessons to enhance the curriculum. These students became technology mentors for their partner teachers. The TARGET2 grant placed a wireless laptop computer in the hands of all La Vernia ISD Elementary and Junior High School core content teachers, and funded an online system for curriculum management and accountability that is compliant with the requirements of NCLB and the LRPT. To facilitate our extensive ongoing research-based professional development program, the TARGET2 grant provided for the establishment of teacher technology benchmark exams and supporting professional development designed to ensure all teachers meet minimum SBEC technology proficiency levels. After the end of TARGET funding, we have continued the professional development through other funding sources. The District currently has a full-time Director of Technology, two full time and one part-time Technical Support Specialists, and one part-time Web Master. Outsourcing and the use of innovative remote-management and deployment systems, including Altiris Enterprise (detailed below), have allowed this small staff to keep abreast of the initiatives in this plan. As District growth continues, additional technology personnel will be sought as needed in order to maintain adequate support, particularly as new schools are constructed. In order to improve user support and minimize downtime, the Altiris Enterprise system management server and helpdesk software is utilized by La Vernia ISD in order to permit remote, unattended reloading and reconfiguration of software, as well as supporting helpdesk functions to provide better support and repair to users, while minimizing the demands on the Technology Department staff. District student and administrative software is converted from traditional client-server software to newer web-based software whenever feasible. Conversion of GradeSpeed and Renaissance Learning applications including Accelerated Reading and Accelerated Math

	<p>to purely web-based versions has significantly decreased required technical support and maintenance services while increasing product availability and useability. Policies guiding all aspects of computer and Internet access and appropriate use have been in place for years and are constantly updated. See these policies in full in the appendix. For more details on the current conditions of the District, including a historical overview of all progress made, see the links in the appendix.</p>
	<p>Needs</p> <p>In no particular order of importance, the following are identified as ongoing needs for La Vernia ISD: Provide more technology tools, including computers and/or thin clients, SmartBoard devices, digital video projectors, digital cameras and camcorders, scanners, wireless laptop and handheld computers. Provide additional student and administrative applications, professional development and instructional software and streaming content. Provide additional technology-based vocational programs for students. Provide our students with the technology tools and skills they need to become independent, self-motivated learners. Provide non-traditional, innovative learning opportunities to our students, staff, parents and the community. Provide additional professional staff development targeted at technology implementation and integrating technology into the curriculum, and make it available more frequently on a flexible schedule. Ensure our teachers meet minimum SBEC technology proficiencies and assist them toward SBEC certification. Enhance the ability of teachers and staff to communicate, share, and interact with their peers, both within and across district boundaries. Continue our ongoing efforts to integrate technology into the curriculum and further our alignment to the TEKS curriculum guidelines, particularly the TA-TEKS. Provide better tools to our teachers and staff, allowing them more flexibility and empowering them to lead and innovate. Provide better technology support and maintenance; become more proactive than reactive; respond to problems faster. Continue to expand the existing infrastructure, adding more computers and/or thin clients, printers, and supporting infrastructure as growth, needs and equipment life cycles demand. Provide tools and equipment to improve accountability</p>

and facilitate record keeping and business processes. Continue and expand programs, partnerships and collaboratives in order to bring more resources and innovative programs to the educational community. Continue to seek additional sources of funding to supplement local funds, Title II part D funds, and the Technology Allotment, through grants, awards, endowments, donations, consortia and partnerships. Transition to newer and better means of communication, including transitioning from a traditional phone system to IP Telephony.

ER04

The plan must provide for a sufficient budget to acquire and support the non-discounted elements of the plan: the hardware, software, professional development, and other services that will be needed to implement the strategy.

BUDGET INFORMATION

Total amount of Title II funds: \$1542.00

Method of application for formula funds: Local Application

Budget Detail for 2009 (Year 1)

Budget Item	Cost	Funding Sources with %
Staff Development	\$143400.00	1.08% Title II part D 98.02% Local
Telecommunications and Internet Access	\$82785.00	47% E-Rate discounts 53% Local
Materials and Supplies	\$119000.00	100% Local
Equipment	\$152325.00	52.5% Technology Allotment 47.5% Local
Maintenance	\$73750.00	100% Local
Miscellaneous Expenses	\$7600.00	100% Local
Total	\$578860.00	

Budget Detail for 2010 (Year 2)

Budget Item	Cost	Funding Sources with %
Staff Development	\$143400.00	1.08% Title II part D 98.02% Local
Telecommunications and Internet Access	\$82785.00	47% E-Rate discounts 53% Local

Materials and Supplies	\$119000.00	100% Local
Equipment	\$152325.00	52.5% Technology Allotment 47.5% Local
Maintenance	\$73750.00	100% Local
Miscellaneous Expenses	\$7600.00	100% Local
Total	\$578860.00	

Budget Detail for 2011 (Year 3)

Budget Item	Cost	Funding Sources with %
Staff Development	\$143400.00	1.08% Title II part D 98.02% Local
Telecommunications and Internet Access	\$82785.00	47% E-Rate discounts 53% Local
Materials and Supplies	\$119000.00	100% Local
Equipment	\$152325.00	52.5% Technology Allotment 47.5% Local
Maintenance	\$73750.00	100% Local
Miscellaneous Expenses	\$7600.00	100% Local
Total	\$578860.00	

ER05

The plan must include an evaluation process that enables the school or library to monitor progress toward the specified goals and make mid-course corrections in response to new developments and opportunities as they arise.

EVALUATION INFORMATION

Evaluation Process	La Vernia ISD monitors all technology implementations as part of our ongoing evaluation plan and as required by state mandates, e-Rate guidelines, federal funding and grant evaluation requirements. The Technology Plan is reviewed and revised annually by the Technology Committee. Each campus has a Campus Site-Based Committee representative that communicates directly with the District Site-Based Committee. The District Site-Based Committee's Chair has a seat on the Technology Committee, which ensures constant communication and collaboration between the campuses, the District administration and the Technology and Curriculum departments. The Technology Plan is aligned to campus and District plans
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	<p>through this process. The Technology Plan exists in a written form before the E-Rate Form 470 is submitted, and the plan is submitted to TEA for approval or updated as required by E-Rate regulations before E-Rate discounted services can be provided. Various surveys and data gathering instruments are used in our schools for collecting data. The Texas Campus and Teacher STaR (School Technology and Readiness) Chart is used as a primary working document for all technological decisions made by the District, in compliance with requirements of State mandates. Various other surveys and evaluations of technology usage and needs, including PDAS teacher appraisals, feed into the evaluation process and provide data on effective technology integration and implementation All the collected data provides direction to our plan and our professional development offerings. The Technology Committee continually evaluates the impact of technology on teaching and learning. It is the policy of La Vernia ISD that the entire Technology Plan, all technology-related policies, survey and data gathering results, and other pertinent information are posted on our District webpage.</p>
	<p>Evaluation Method La Vernia ISD adheres to research-based evaluation methods, especially the premise that we cannot improve schools without improving the skills and abilities of the educators within them. We see change as an individual process, and are investing in the intellectual capital of the those who staff our schools. The professional development processes must be relevant to the principals and teachers, and must directly address their specific needs and concerns. Therefore, the evaluation methods used focus on school improvement resulting from individual teacher's implementation of technology and its infusion into the curriculum. La Vernia ISD uses the STaR Chart and various surveys and assessments, in combination with PDAS (Professional Development and Appraisal System) results, as the model for evaluating technology integration, implementation and teacher professional development needs. Principals are trained on what to look for in classrooms, and how to connect the usage of technology to the PDAS document. Observation, questionnaires and benchmark testing are used to evaluate organizational support and change, staff's use of newly-acquired knowledge and skills, and</p>

the effect of educational technology on student learning outcomes. Student benchmark testing results are also used to provide feedback on the supporting resources, including professional development, that a teacher may need in order to provide effective instruction. Item analysis through AEIS-IT of student benchmark and standardized testing results focuses teacher instructional delivery and increases the ability of teachers to teach effectively. The district collects information on an ongoing basis in order to continually improve the learning opportunities for students. In our past collaboration with Edgewood ISD (our primary grant collaboration partner), La Vernia ISD began developing TA-TEKS (Technology Application Texas Essential Knowledge and Skills) benchmark assessments providing feedback on student technology skills. The skills taught through the TA-TEKS curriculum and measured by these assessments ensure that elementary students to be prepared for the challenging academic standards in Middle and High school. Every Campus Improvement Plan addresses technology integration at the campus level. These plans directly feed into the District Improvement Plan and then, through the Technology Committee and the technology planning process, the written La Vernia ISD Technology Plan. Using the results of the various evaluation instruments, members of the Technology Committee and the Technology Director identify areas which need further attention and the steps that need to be taken to ensure that the technology implemented is used to maximize student learning. All resulting Teacher Professional Development sessions are counted toward a teacher's CPE (Continuing Professional Education) hours. To supplement the regularly-scheduled Professional Development sessions and the traditional classroom instructional delivery methods, La Vernia ISD employs a web-based online video content system (including Cisco IPTV) to deliver just-in-time on-demand staff development and instructional video content. The system will use an online database to log content usage, and these logs will be reviewed by the Technology Director in order to tailor content to the areas of highest apparent need and interest. Every school in La Vernia ISD has its own Distance Learning Interactive Video Teleconferencing system. These systems are used to

bring in Professional Development content for teachers, instructional content for students and for electronic VFTs (Virtual Field Trips) and meetings. Requests for videoconferences and logs of conference topics and participation are used by the Technology Director and communicated to principals and stakeholders to increase and focus system utilization and to aid in the selection of future conference topics. The Technology Director is responsible for ensuring implementation of projects and equipment acquisitions occur on schedule as required by the Technology Plan and by any and all applicable grant guidelines. Accountability measures including receiving documents signed off on by campus administration, grant progress reports, financial summaries, inventory reports and bid/quote tabs are used to track equipment acquisition, deployment and installation. Fixed Assets Management databases and administrative reports ensure equipment procurement, maintenance, upgrading and final disposition occur in compliance with all Federal, State, Local and E-Rate laws and guidelines. The Technology Director is responsible for directing and monitoring the acquisition and appropriate use of network resources, including the bandwidth/capacity of internal connections (Ethernet) and Internet links (T1 circuits), POTS (Plain Old Telephone Service) lines, and educational cellular/wireless telephone service. Based on usage levels, user surveys and needs projections, new capacity, circuits and access points/devices are added and deleted as necessary in coordination with E-Rate guidelines and usage justifications. The Technology Director is responsible for using Fixed Assets inventories and equipment lists to specify technology equipment upgrade, repurposing, replacement and disposal as dictated in La Vernia ISD's TCO (Total Cost of Ownership) guidelines as specified in the TCO appendix of the Technology Plan. TCO guidelines also require that the cost-effectiveness of all technology acquisitions and services is evaluated by the Technology Director and/or the Technology Committee based on bid and quote requests, ongoing analysis of the cost-effectiveness of services and products, and the level of utility or benefit in relation to the project's or product's cost. The Technology Director is responsible to see that equipment and service bidding/quoting, purchasing, deployment/installation, upgrade, repair and

		<p>all related professional development and building/facility renovation/upgrade are performed in a timely manner as required by the timelines of the local budget cycle, grant timetables, and E-Rate cycles. During meetings with the Technology Committee, the Technology Director reviews the timeliness of technology implementations, and the Technology Plan and/or internal procedures are adjusted to improve implementation timeliness, minimize the lag between product acquisition and professional development, and lower the response time on repair calls.</p>
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