

LA VERNIA ISD Technology Plan for E-Rate Year 12
2009 - 2012

TOM HARVEY
SUPERINTENDENT

DISTRICT PROFILE

ESC Region: 20
City, State Zip: LA VERNIA, TX 78121-5804
Phone: (830) 779-2181
Fax: (830) 779-2304

Number of Campuses: 4
Total Student Enrollment: 2923
District Size: 1,600 - 2,999
Percent Econ. Disadvantaged: 26.62%

Technology Expenditures: \$1,736,580.00
- Teaching and Learning Budget: \$315,219.00
- Educator Preparation and Development Budget: \$425,340.00
- Leadership, Administration and Support Budget: \$173,598.00
- Infrastructure for Technology Budget: \$822,423.00

Technology Expenditure Per Pupil: \$594.11
Number of Campuses with Direct Connection to Internet: 4
Percentage of Campuses with Direct Connection to Internet: 100.00%
Number of Classrooms with Direct Connection to Internet: 226
Percentage of Classrooms with Direct Connection to Internet: 100.00%
Computer/Student Ratio: 3 student(s) for every computer
Computer/Teacher Ratio: 1 teacher(s) for every computer
Number of campuses that need to complete the Texas Campus STaR Chart: 4
Percentage of campuses that have completed the Texas Campus STaR Chart: 100.00 %

PLAN INTRODUCTION

Plan Last Edited: 03/31/2009

Technology Planning Committee:

Allen Bordelon, Director of Technology, Committee Chair; Dr. Tom Harvey, Superintendent; Dr. Diane Fisher, Assistant Superintendent for Curriculum and Personnel; Laura Ramzinski, Business Director/PEIMS; Cheryl Barron, HS Principal; Maria Wildenstein, JHS Principal; Becky Johanson; Elementary Principal; Sherry Boos, Primary Principal; Cheryl Young, HS Librarian; Teri Haye, Teacher, HS; Leissa Kimball, Librarian, JHS; Brandilyn Hanselka, Teacher, Elementary; Vicki Hinojosa, Teacher, Primary; Marie Gerlich, Community Member; Melba Chambliss, Parent; Brad Beck, Parent. At-Large Seats: Jenean Mills, LVISD District Site-Based Committee

Representative; Br. Dennis Doose, CSC, Grant Consortium Collaboration Coordination Representative

EXECUTIVE SUMMARY

This document embodies a long-range plan designed to guide technology expansion, integration and operation for La Vernia ISD. The plan insures compliance with and alignment to federal, state and local technology guidelines, including NCLB (No Child Left Behind), E-Rate and the Texas Long Range Plan for Technology. The Long-Range Plan for Technology (LRPT) of the Texas State Board of Education plots the course for meeting educational needs through technology and for implementing changes in education. Our plan is also in alignment with the major goals of the National Education Technology Plan.

This plan serves as the basis for all technological development and instructional technology innovation on the campuses and throughout the District. The plan is assessed and updated annually in order to keep pace with technological and educational change. This assures that innovative technologies and techniques and the latest information are always made available to our staff and students.

The plan covers all aspects of technology and information delivery, including telecommunications, infrastructure, computers and communications, curriculum and content, support, human infrastructure, and professional development. The District-level plan is coordinated with the goals and objectives set forth in each school's Campus Improvement Plan and the overall District Improvement Plan.

Technology goals, objectives, strategies, and curriculum and content guidelines, are based on ongoing analysis of campus and District needs in conjunction with the State and Federal mandates. Various models including student/computer ratios, usage and demand tracking and inventory aging are used to adjust and guide upgrades, purchases and infrastructure expansion.

Leading-edge uses of technology tools including distance learning and streaming web-based video content allow La Vernia ISD to bring learning and interaction opportunities to its students and staff that are not otherwise available or are not cost-effective through any other means. Innovative student programs, including student-teacher mentoring programs and the hiring of students to perform technical and support duties offers unique on-the-job experience to students while expanding the human infrastructure in place to support District technology.

All technology and information delivery systems installed in La Vernia ISD are chosen by design to provide maximum functionality and longevity, providing the best possible return on the District's investment. It is important not only to provide the best technology and information tools available but also to deliver maximum benefit and utility to both students and staff. All infrastructure installed is designed for a ten year lifespan with minimum need for upgrade or maintenance, and is designed to encompass future growth and foreseeable future technology trends and needs.

La Vernia's technology plan provides a comprehensive framework assuring the students in La Vernia ISD will receive a world-class technology-based education second to none. Technology and information skills are being increasingly integrated throughout the curriculum, and new and innovative methods of incorporating technology in education will assure our students are ready for the workplace of tomorrow.

NEEDS ASSESSMENT

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.

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 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 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.

Technology Needs:

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 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.

GOALS, OBJECTIVES, AND STRATEGIES

Goal 1: Teaching and Learning - Utilize technology as a tool to foster improvement in academic achievement, curriculum integration, and increased accessibility and innovation.

Objective 1.1: All students will become technology proficient and will use technology as a tool to improve academic achievement.

Budget for this objective: \$96,324.00

LRPT Category: Teaching and Learning

E-Rate Correlates:

NCLB Correlates: 01 02 04a 07 11 12

Strategy 1.1.1: Implement program in grades 3-12 to enhance student technology skills and teach students how to communicate and work with teachers to create web-based technology-infused lessons in all subject areas.

State: Revised

Status: In Progress

Timeline: 2008-ongoing

Person(s) Responsible: Classroom teachers, technology staff, Technology Director

Evidence: Innovative student technology opportunities and technology-enhanced lessons

Comments:

LRPT Correlates: EP04, TL05, TL07, TL08, TL09

Strategy 1.1.2: Encourage students to research, create and present assignments and projects in multimedia online format utilizing innovative technologies including SmartBoard devices, digital media, web-based content, distance learning and streaming video.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Classroom teachers, librarians, Technology Director

Evidence: Growth of library of student-created technology-infused lessons.

Comments:

LRPT Correlates: TL07, TL09, TL12

Strategy 1.1.3: Provide innovative on-demand curriculum and instructional resources including web-based and IPTV streaming video content and distance learning including live video teleconferencing.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Campus teachers, librarians, curriculum specialists, Technology Director

Evidence: Library of content and statistics of usage.

Comments:

LRPT Correlates: TL05, TL08, TL09, TL10, TL12, TL16

Strategy 1.1.4: Use web-based AEIS-IT and other performance analysis software to analyze student success, strengths and weaknesses.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Campus teachers, curriculum specialists, counselors, principals

Evidence: Test results, reports, guidance to teaching and curriculum development processes

Comments:

LRPT Correlates: LAS05, TL05, TL06, TL07, TL09

Strategy 1.1.5: Ensure full implementation of the TEKS and TA-TEKS curriculum by using student benchmark assessments.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Curriculum specialists, principals, campus teachers

Evidence: Existence of benchmarks, results fed into curriculum/lesson planning system, STaR Chart and campus plans

Comments: Teachers have created TEKS-correlated benchmark assessments for students in grades 3-12 and scored and analyzed the results using AEIS-IT. The results have proven so useful that the program will likely expand to grades 1 and 2 starting in 2008-2009.

LRPT Correlates: EP02, EP05, LAS03, TL01, TL02, TL04, TL05, TL06, TL07, TL09, TL11

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.

Budget for this objective: \$108,279.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01 04a 07 11 12

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, technology staff, Curriculum Director

Evidence: Number of teachers meeting required technology proficiency levels

Comments:

LRPT Correlates: EP02, EP05, EP08, LAS12

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Curriculum Director, Technology Director, campus principals

Evidence: Assessment results, direction to campus action plans

Comments:

LRPT Correlates: EP03, EP05, LAS12, TL08

Strategy 1.2.3: Technology integration will be a part of all campus improvement plans created by each school's Campus Site-Based Committee.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Committees and Site-Based Committees

Evidence: Campus Plans

Comments:

LRPT Correlates: LAS01, LAS02, LAS12, TL01, TL02, TL10

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Campus principals, Curriculum Director, Technology Director

Evidence: PDAS and other observation reports

Comments:

LRPT Correlates: EP05, LAS03, LAS05, LAS12

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, Curriculum Director, Superintendent

Evidence: Sign-in sheets, individual Professional Development Plans

Comments:

LRPT Correlates: EP05, EP09, LAS03, LAS05, LAS08, LAS10, LAS12

Objective 1.3: The District will enhance the teaching and learning process and promote non-traditional learning opportunities through increased accessibility to innovative technologies and methodologies.

Budget for this objective: \$92,619.00

LRPT Category: Teaching and Learning

E-Rate Correlates:

NCLB Correlates: 01 02 03 04a 05 06 07 08 12

Strategy 1.3.1: Provide adaptive hardware including special-purpose computing devices,

touch screens, trackballs, adaptive keyboards, etc., and software including Success Maker, EdMark, NovaNet and others.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Special Education Director and staff, Technology Director, Curriculum Director

Evidence: IEP and ARD reports

Comments:

LRPT Correlates: I05, TL09

Strategy 1.3.2: Expand technology hardware access by increasing the number and availability of wireless networked laptop computer lab carts, adding more digital projection devices and portable SmartBoards, and by adding more dedicated multi-use computer labs using thin-client and terminal services technology.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director and staff, campus principals, Technology Committee

Evidence: Sign-out sheets and reservations for shared technology devices

Comments:

LRPT Correlates: TL13

Strategy 1.3.3: Setup "mini labs" in classrooms using older, repurposed computers and donated computers operating as thin client terminals running Windows Terminal Services and/or Citrix. These mini-labs are optimized for web-based programs and networkable programs.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology department

Evidence: Number of requested/deployed units

Comments: The repurposing of older computers into high-speed workstations through Terminal Services and Citrix saves significant funding by lengthening useful equipment life cycles and thus minimizing expenditures on new equipment. Full-function computers and thin clients are deployed depending upon the needs of the user and the applications they will run.

LRPT Correlates: I04, TL09

Objective 1.4: Technology will be used as a tool to increase the literacy and technology proficiency of parents and the community.

Budget for this objective: \$17,997.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 08 09 10 12

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology staff, ESL staff, curriculum specialists

Evidence: Participation in classes, requests for new offerings

Comments:

LRPT Correlates: LAS07, LAS09

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology staff, curriculum staff, campus teachers

Evidence: Attendance logs, requests for classes

Comments:

LRPT Correlates: LAS07, LAS09

Goal 2: Educator Preparation and Development - Promote growth in educators' effectiveness in integrating technology into the curriculum, achieving proficiency in SBEC Technology Standards, and transforming teaching practices by promoting student-centered learning.

Objective 2.1: All teachers will implement and teach the Technology Application TEKS (TA-TEKS) in conjunction with the technology integration requirements in the core curriculum TEKS.

Budget for this objective: \$178,182.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates:

NCLB Correlates: 01 02 04a 07

Strategy 2.1.1: Continue offering professional development for teachers and instructional staff that focuses on technology integration and implementation, including training which produces a web-based project ready for the teacher to implement after training. Training will be offered through distance learning or onsite where feasible to minimize travel and loss of instructional time.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, Technology Staff, ESC Region 20 Trainers

Evidence: Attendance logs and certificates

Comments:

LRPT Correlates: EP01, EP03, EP04, EP06, EP07

Strategy 2.1.2: Technology integration and implementation lessons focused on meeting required technology proficiencies and integrating technology throughout the curriculum will be provided on an ongoing basis to all teachers, individualized to meet the needs of each teacher based on the results of locally-developed benchmarks.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, Technology Staff

Evidence: Benchmark results

Comments:

LRPT Correlates: EP08

Strategy 2.1.3: Continue offering on-demand training through the Technology Department and ESC Region 20 to teachers and instructional staff as needed to concentrate on areas of need in technology integration - this includes on-site followup sessions for training provided by Region 20 trainers.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Staff and ESC Region 20 trainers

Evidence: Training logs

Comments:

LRPT Correlates: EP01, EP03

Strategy 2.1.4: Offer peer mentoring in conjunction with collaborative partners and ESC Region 20.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Directors of Curriculum and Technology

Evidence: Session summaries and logs

Comments:

LRPT Correlates: EP09

Objective 2.2: All teachers will be encouraged to meet SBEC standards for technology literacy.

Budget for this objective: \$29,109.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 01 04a 04b 07

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Curriculum Director and Technology Staff

Evidence: Number of teachers meeting SBEC proficiency on benchmarks

Comments:

LRPT Correlates: EP05, EP08

Strategy 2.2.2: Provide incentives for teachers meeting required proficiencies, including wireless laptop computers and digital cameras and camcorders.

State: Revised

Status: Planned

Timeline: 2008-2009

Person(s) Responsible: Curriculum Director, Technology Director

Evidence: Number of teachers achieving competency on benchmarks

Comments: This strategy has been delayed due to grant-related funding cuts; we are looking for alternative funding sources including new grants in order to implement this strategy.

LRPT Correlates: EP05, EP08, TL11

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Staff, campus librarians

Evidence: Usage logs

Comments:

LRPT Correlates: EP01, EP08, TL08

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.

Budget for this objective: \$218,049.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 01 02 03 04a 04b 07 08

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Librarians, campus teachers

Evidence: Usage logs

Comments:

LRPT Correlates: EP06, EP08, LAS15, TL08, TL11, TL12

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, ESC Region 20 Trainers

Evidence: Course certificates

Comments:

LRPT Correlates: EP01, EP03, EP06, EP07, EP08

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Staff, identified Technology Star Teachers and Campus Staff

Evidence: Library of captured academy sessions, lessons created by teachers

Comments: There has been less opportunity for streaming video capture of training sessions than anticipated due to copyright restrictions from training providers.

LRPT Correlates: EP01, EP03, EP04, EP06, EP08, TL08

Goal 3: Leadership, Administration and Support - Improve quality of communication to facilitate data-driven decision making processes in the areas of student records (achievement, attendance, Special Education , and discipline), community partnerships, parent awareness and involvement, and other support services.

Objective 3.1: All schools will continue to utilize technology as a tool to maintain and access student records.

Budget for this objective: \$41,814.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates:

NCLB Correlates: 11

Strategy 3.1.1: All schools will participate in an online system for curriculum management and accountability which will include regularly maintained and updated curriculum for all grade levels and subject areas.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Curriculum Director, curriculum specialists, teachers

Evidence: Online lesson plans and accountability information

Comments:

LRPT Correlates: LAS05, TL06

Strategy 3.1.2: All campuses will analyze AEIS data to adjust campus goals and make decisions regarding the improvement of student achievement.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Curriculum Director, curriculum staff, campus administrators

Evidence: Reports

Comments:

LRPT Correlates: LAS05, TL06

Strategy 3.1.3: All campuses will continue to utilize an online grade book to maintain student grades and generate reports for student, parent and campus administration use. The online grade book must be accessible to parents through a parent portal.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Staff, teachers

Evidence: GradeSpeed report cards and online records, parental access accounts in GradeSpeed.net

Comments:

LRPT Correlates: I08, LAS11

Strategy 3.1.4: All campuses and administrative offices will continue to use online student record and administrative software.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Staff

Evidence: Online student records, administrative and business records in RSCCC 2000

Comments:

LRPT Correlates: LAS11

Strategy 3.1.5: All teachers and staff will receive training in the use of GradeSpeed and RSCCC 2000 as appropriate.

State: Original
Status: In Progress
Timeline: Ongoing
Person(s) Responsible: Technology Staff, ESC Region 20 Trainers
Evidence: Attendance logs
Comments:
LRPT Correlates: EP06, LAS11, TL06

Objective 3.2: Administrators, staff and teachers will use online methods of information delivery to communicate with stakeholders, parents and the community.

Budget for this objective: \$97,206.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01

NCLB Correlates: 09 10

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Staff, District and campus webmasters

Evidence: E-mails, web pages, online newsletters

Comments:

LRPT Correlates: LAS07, LAS09, LAS13, TL07, TL10, TL13, TL15, TL16

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Staff, District and campus webmasters

Evidence: Hits on website, current postings

Comments:

LRPT Correlates: LAS13, TL13, TL15, TL16

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, Technology Committee

Evidence: Meeting sign-in sheets, updated plans posted on website.

Comments:

LRPT Correlates: I03, TL14

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.

Budget for this objective: \$34,578.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01

NCLB Correlates: 01 02 03 04a 07 11 12

Strategy 3.3.1: Library automation software will be used and maintained by all campuses.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Librarians, Technology Director

Evidence: Follett reports

Comments:

LRPT Correlates: TL10, TL11

Strategy 3.3.2: Electronic means will be used to track technology inventories and work orders.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director

Evidence: Altiris HelpDesk reports, fixed asset inventories from FAMP (Fixed Assets Management Program)

Comments:

LRPT Correlates: TL01

Strategy 3.3.3: Teacher and staff evaluations will be maintained electronically.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Campus and District administrators

Evidence: PDAS database records and reports, online evaluation records for administrators

Comments: Although the records are being maintained electronically, further work remains on indexing and organizing the records in a more meaningful way.

LRPT Correlates: EP08, I08, LAS14

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.
State: Revised
Status: In Progress
Timeline: Ongoing
Person(s) Responsible: Technology Director, Technology Committee
Evidence: Online technology plan and associated documents
Comments:
LRPT Correlates: LAS01, LAS02, LAS04

Goal 4: Infrastructure for Technology - Maintain and increase as needed the capability and stability of the LAN (Local Area Network), District WAN (Wide Area Network), Internet connectivity, user to computer ratios, and emerging technologies as appropriate.

Objective 4.1: The LAN/WAN infrastructure will be optimized to meet all needs of the District.
Budget for this objective: \$118,161.00
LRPT Category: Infrastructure for Technology
E-Rate Correlates: ER01
NCLB Correlates: 01 03 05 08 12

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.
State: Original
Status: In Progress
Timeline: Ongoing
Person(s) Responsible: Technology Director and Technology Staff
Evidence: Proper operation of LAN/WAN, purchasing documents for maintenance contracts and upgrades
Comments:
LRPT Correlates: I01, I02, I06, I07

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.
State: Original
Status: In Progress
Timeline: Ongoing
Person(s) Responsible: Technology Director and technology staff
Evidence: Availability of network, purchasing documents
Comments: Campus-wide access now exists throughout the Elementary and Junior High campuses; High School will undergo heavy expansion of wireless coverage during 2008/2009.
LRPT Correlates: I01, I06, I07

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director and technology staff

Evidence: Availability of sufficient network resources, purchasing documents

Comments: In order to accommodate growth, all servers were relocated to a new, larger facility with increased power and improved air conditioning in March 2005. Core switching, routing and phone equipment remain in the previous facility, now better able to handle significant switching and telephony growth.

LRPT Correlates: I01, I07

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director and technology staff

Evidence: Accessibility of the Intranet and user data from any networked computer

Comments:

LRPT Correlates: I01

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director and Business Manager

Evidence: Obtaining of E-Rate and grant funding

Comments: The loss of availability of TUFF-grant funding and cutbacks to Title-II Part D TARGET grant funding are making this process increasingly challenging.

LRPT Correlates: I01, I03, LAS04

Objective 4.2: Internet connectivity will be maintained throughout the District.

Budget for this objective: \$64,395.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 01 03 06 08 12

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director and Technology Staff

Evidence: Internet accessible on every networked computer; written Technology Plan and updates submitted and approved as required by E-Rate guidelines

Comments:

LRPT Correlates: I01, I06, LAS02, LAS04

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director and Technology Staff

Evidence: Internet accessible from every networked computer, District web site and e-mail accessible worldwide

Comments:

LRPT Correlates: I01, I06, I08

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director and Technology Staff

Evidence: Availability of District web site and e-mail worldwide; a written Technology Plan exists and is submitted for approvals/updates as required by E-Rate regulations

Comments:

LRPT Correlates: I01, I06, I08, LAS04

Strategy 4.2.4: The District will maintain interactive web-based services, including streaming content, with both internal and external components.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, District and campus webmasters

Evidence: Web-based services available on Internet and Intranet

Comments:

LRPT Correlates: I06, I08

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology staff, District and campus webmasters

Evidence: District and campus web pages available on the Internet

Comments:

LRPT Correlates: I01, I03, I06, I08

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, Business Manager

Evidence: E-Rate funding commitments, grant awards, proposals

Comments: The loss of availability of TIEE-grant funds, and the cutbacks to Title-II Part D TARGET grant funding, make this process increasingly challenging.

LRPT Correlates: I01, I02, I03, I08, LAS04

Strategy 4.2.7: District will connect to Internet2 and advanced Statewide telecommunications network to support enhanced communication and provide enriched web-based content.

State: Original

Status: Planned

Timeline: 2009-2010

Person(s) Responsible: Technology Director

Evidence: Connection to dedicated educational resources only available through Internet2

Comments: Currently in investigation stage, likely to be through ESC Region 20.

LRPT Correlates: LAS10, LAS13, TL08, TL09, TL13

Objective 4.3: The telecommunications infrastructure will be optimized to meet all needs of the District.

Budget for this objective: \$115,200.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 05 06 12

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director and Business Manager

Evidence: Bills, usage summaries, E-Rate funding commitments

Comments:

LRPT Correlates: I01, I08, LAS04

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director and Business Manager

Evidence: Bills, usage summaries, E-Rate submissions and funding commitments

Comments:

LRPT Correlates: I01, I08, LAS04

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director and Business Manager

Evidence: Bills, usage summaries, user requests for new service, E-Rate submissions and funding commitments

Comments:

LRPT Correlates: I01, I08, LAS04

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director and Business manager

Evidence: Funding commitments, grant awards, proposals, existence and approvals of Technology Plan

Comments:

LRPT Correlates: I02, I03, LAS04

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.

State: Original

Status: In Progress

Timeline: 2009-ongoing

Person(s) Responsible: Technology Director and Technology Staff

Evidence: Presence and use of VoIP technology

Comments: Likely will be phased in over 2-3 years due to budgetary considerations

LRPT Correlates: I01

Objective 4.4: The District will continue to work towards optimal user to computer ratios.

Budget for this objective: \$385,119.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 01 03 05 06 12

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, Technology Committee, principals

Evidence: Total number of computers available to students, teachers, administrators.

Comments:

LRPT Correlates: I03, I04, I05, I06

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, Technology Committee, campus principals

Evidence: Innovative and special-purpose computing devices are in-place and in-use

Comments: Mobile wireless laptop computer labs are now available on our Elementary, Junior High and High School campuses; thin client technology is being deployed throughout the District.

LRPT Correlates: EP08, I02, I05, LAS03, TL13

Objective 4.5: The District will continue to investigate and assimilate emerging technologies as appropriate to enhance teaching and learning.

Budget for this objective: \$60,159.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 01 02 03 05 08 12

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director

Evidence: Distance learning systems remain up-to-date and fully functional; conference logs

Comments: The High School DL room received a complete equipment refresh in 2007.

LRPT Correlates: I07, I09, LAS13, LAS15, TL10, TL12, TL13, TL15

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, Technology Committee, Site-Based Committees, curriculum specialists, principals

Evidence: Streaming content library of offerings; usage statistics; just-in-time availability of content Districtwide

Comments:

LRPT Correlates: I07, LAS15, TL13, TL15

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, Technology Committee, curriculum specialists, campus principals

Evidence: Presence of innovative devices, usage logs

Comments:

LRPT Correlates: I04, I06, I07, LAS15, TL09, TL10, TL13, TL15, TL16

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, Technology Committee, principals

Evidence: Inventories; usage logs; user requests

Comments:

LRPT Correlates: I07, I09, TL13

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).

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, Business Manager

Evidence: Commitment forms, shared service agreements, consortium membership lists

Comments:

LRPT Correlates: EP08, I02, TL08, TL13

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.

Budget for this objective: \$79,389.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates:

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director and Technology Staff
Evidence: No or low frequency of virus infections and hacking/intrusions
Comments:
LRPT Correlates: I01, LAS14

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director and Technology Staff

Evidence: Incidence of equipment damage due to theft or environmental damage

Comments:

LRPT Correlates: I01, LAS14

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.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director

Evidence: No or low frequency of hacking or tampering with data.

Comments:

LRPT Correlates: I01

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director and Technology Staff

Evidence: Archive logs, response to valid discovery requests

Comments:

LRPT Correlates: I01

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.

State: Revised

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director

Evidence: Logs of blocked/denied sites, blocking of proxy sites

Comments:

LRPT Correlates: I01, LAS14

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 AUPs, DL/Video Release Forms and more. These policies are available in the Appendix.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Technology Director, Technology Committee

Evidence: Policy documents

Comments:

LRPT Correlates: I01, I06, TL14

BUDGET

Total amount of Title II, Part D formula funds received for the current year of this plan:
\$1,542.00

Method of application for formula funds: Local Application

Budget for year 2009

- Telecom cost: \$82,785.00

- Telecom source: 47% E-Rate discounts

53% Local

- Materials cost: \$119,000.00

- Materials source: 100% Local

- Equipment cost: \$152,325.00

- Equipment source: 52.5% Technology Allotment

47.5% Local

- Maintenance cost: \$73,750.00

- Maintenance source: 100% Local

- Staff development cost: \$143,400.00

- Staff development source: 1.08% Title II part D

98.02% Local

- Miscellaneous cost: \$7,600.00

- Miscellaneous source: 100% Local
- Total: \$578,860.00

Budget for year 2010

- Telecom cost: \$82,785.00
- Telecom source: 47% E-Rate discounts
53% Local
- Materials cost: \$119,000.00
- Materials source: 100% Local
- Equipment cost: \$152,325.00
- Equipment source: 52.5% Technology Allotment
47.5% Local
- Maintenance cost: \$73,750.00
- Maintenance source: 100% Local
- Staff development cost: \$143,400.00
- Staff development source: 1.08% Title II part D
98.02% Local
- Miscellaneous cost: \$7,600.00
- Miscellaneous source: 100% Local
- Total: 578,860.00

Budget for year 2011

- Telecom cost: \$82,785.00
- Telecom source: 47% E-Rate discounts
53% Local
- Materials cost: \$119,000.00
- Materials source: 100% Local
- Equipment cost: \$152,325.00
- Equipment source: 52.5% Technology Allotment
47.5% Local
- Maintenance cost: \$73,750.00
- Maintenance source: 100% Local
- Staff development cost: \$143,400.00
- Staff development source: 1.08% Title II part D
98.02% Local
- Miscellaneous cost: \$7,600.00
- Miscellaneous source: 100% Local
- Total: 578,860.00

EVALUATION

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 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.

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 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 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. **APPENDIX**

Attachment item A:

Student Acceptable Use Policy

Web site: <http://www.lvschools.net/techpolicies/studentaup.htm>

Attachment item B:

Employee Acceptable Use Policy

Web site: <http://www.lvschools.net/techpolicies/employeaaup.htm>

Attachment item C:

Community Member and Library Patron Acceptable Use Policy

Web site: <http://www.lvschools.net/techpolicies/commlibraup.htm>

Attachment item D:

Distance Learning and Video Release Form

Web site: <http://www.lvschools.net/techpolicies/dlvrelease.htm>

Attachment item E:

Acceptable Posting Policy for Web Content

Web site: <http://www.lvschools.net/techpolicies/app.htm>

Attachment item F:

CIPA (Children's Internet Protection Act) Compliance Statement and Internet Safety Policy

Web site: <http://www.lvschools.net/techpolicies/CIPAcamp.htm>

Attachment item G:

Technology Procurement Requirements and Standards

Web site: <http://www.lvschools.net/techpolicies/dobusinesswithlvisd.htm>

Attachment item H:

Cellular and Wireless Telephone Acceptable Use Policy

Web site: <http://www.lvschools.net/techpolicies/cellularaup.htm>

Attachment item I:

La Vernia ISD District web site with all District information and subpages for each campus

Web site: <http://www.lvschools.net>

Attachment item J:

La Vernia ISD TCO (Total Cost of Ownership) Guidelines - Guidance on equipment purchase, upgrade, repair, ongoing maintenance, repurposing and disposal.

Web site: <http://www.lvschools.net/techpolicies/TCO.htm>