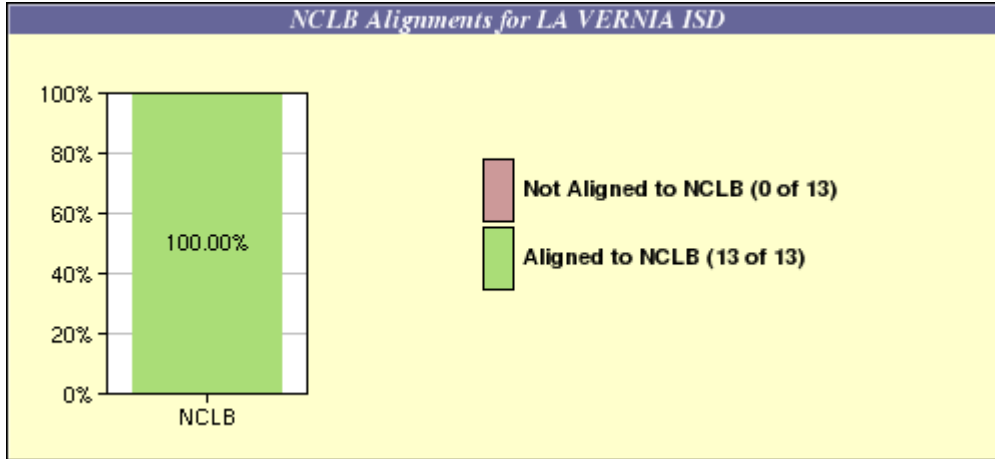


No Child Left Behind (NCLB) Alignment Report for LA VERNIA ISD

Your technology plan matched 13 of 13 NCLB correlates.



Below is a list of No Child Left Behind (NCLB) statements to which you may have aligned your Technology Plan.

Correlate ID	NCLB Correlate Statement
1	<p>Strategies for improving academic achievement and teacher effectiveness To improve:</p> <ul style="list-style-type: none"> • the academic achievement, including technology literacy, of all students. • the capacity of all teachers to integrate technology effectively into curriculum and instruction <ul style="list-style-type: none"> • Objective 1.1: All students will become technology proficient and will use technology as a tool to improve academic achievement. <ul style="list-style-type: none"> ○ 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. ○ 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.

- 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 conferencing.
- Strategy 1.1.4: Use web-based AEIS-IT and other performance analysis software to analyze student success, strengths and weaknesses.
- Strategy 1.1.5: Ensure full implementation of the TEKS and TA-TEKS curriculum by using student benchmark assessments.
- 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.
 - 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 1.3: The District will enhance the teaching and learning process and promote non-traditional learning opportunities through increased accessibility to innovative technologies and methodologies.
 - 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.
 - 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.
 - 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.
- 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.
 - 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.
 - 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.
 - 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.
 - Strategy 2.1.4: Offer peer mentoring in conjunction with

collaborative partners and ESC Region 20.

- Objective 2.2: All teachers will be encouraged to meet SBEC standards for technology literacy.
 - 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.
 - 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.
- 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 4.4: 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.

	<ul style="list-style-type: none"> ○ 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. <ul style="list-style-type: none"> ○ 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).
2	<p>Goals for using advanced technology</p> <ul style="list-style-type: none"> • aligned with challenging State academic content and student academic achievement standards

- to improve student academic achievement
 - Objective 1.1: All students will become technology proficient and will use technology as a tool to improve academic achievement.
 - 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.
 - 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.
 - 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.
 - Strategy 1.1.4: Use web-based AEIS-IT and other performance analysis software to analyze student success, strengths and weaknesses.
 - Strategy 1.1.5: Ensure full implementation of the TEKS and TA-TEKS curriculum by using student benchmark assessments.
 - 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.
 - 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.
 - 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.
 - 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.

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

- 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 4.5: 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

	<p>school to provide students access to innovative technologies allowing non-traditional learning.</p> <ul style="list-style-type: none"> ○ 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).
3	<p>Steps to increase accessibility To ensure that:</p> <ul style="list-style-type: none"> • all students and teachers have increased access to technology • Students in high-poverty and high-needs schools, or schools identified for improvement or corrective action, have access to technology • teachers are prepared to integrate technology effectively into curricula and instruction <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> ○ 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. ○ 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. ○ 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.

- 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.
 - 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.
- 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 4.4: 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.

	<ul style="list-style-type: none"> ○ 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).
4a	<p>Promotion of curricula and teaching strategies that integrate technology</p> <ul style="list-style-type: none"> • Will identify and promote curricula and teaching strategies that integrate technology effectively into curricula and instruction, based on a review of relevant research and leading to improvements in student academic achievement <ul style="list-style-type: none"> • Objective 1.1: All students will become technology proficient and will use technology as a tool to improve academic achievement. <ul style="list-style-type: none"> ○ 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. ○ 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. ○ 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.

- Strategy 1.1.4: Use web-based AEIS-IT and other performance analysis software to analyze student success, strengths and weaknesses.
- Strategy 1.1.5: Ensure full implementation of the TEKS and TA-TEKS curriculum by using student benchmark assessments.
- 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.
 - 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 1.3: The District will enhance the teaching and learning

process and promote non-traditional learning opportunities through increased accessibility to innovative technologies and methodologies.

- 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.
- 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.
- 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.
- 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.
 - 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.
 - 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.
 - 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.
 - Strategy 2.1.4: Offer peer mentoring in conjunction with

collaborative partners and ESC Region 20.

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

	<ul style="list-style-type: none"> ○ 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.
4b	<p>Professional development Provide ongoing, sustained, high quality professional development for:</p> <ul style="list-style-type: none"> • teachers, principals, administrators, and school library media personnel to further the effective use of technology in the classroom or library media center • including, if applicable, a list of the entities that will be partners with the district involved in providing the ongoing, sustained professional development <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

	<p>whenever possible including VFTs (Virtual Field Trips), connections between campuses and grant consortium members, and with educational content providers including the ESC Region 20.</p> <ul style="list-style-type: none"> ○ 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.
5	<p>Technology type and costs</p> <ul style="list-style-type: none"> • Description of type and costs of technology to be acquired with Ed Tech funds, including provisions for interoperability of components of such technologies <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> ○ 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. ○ 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. ○ 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. • 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 4.3: 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

	<p>content providers.</p> <ul style="list-style-type: none"> ○ 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).
6	<p>Coordination with other resources</p> <ul style="list-style-type: none"> • District's plan for coordinating activities funded through the Ed Tech program with technology-related activities supported with funds from other Federal, State, and local sources <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> ○ 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. ○ 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.

- 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.
- 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

	<p>and technology labs, and mobile cart-based laptop labs, student-to-computer ratios will be maintained at 1:1.</p> <ul style="list-style-type: none"> ○ 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.
7	<p>Integration of technology with curricula and instruction How the applicant will:</p> <ul style="list-style-type: none"> • integrate technology (including software and electronically delivered learning materials) into curricula and instruction, and • utilize a timeline for this integration <ul style="list-style-type: none"> • Objective 1.1: All students will become technology proficient and will use technology as a tool to improve academic achievement. <ul style="list-style-type: none"> ○ 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. ○ 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. ○ 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. ○ Strategy 1.1.4: Use web-based AEIS-IT and other performance analysis software to analyze student success, strengths and weaknesses. ○ Strategy 1.1.5: Ensure full implementation of the TEKS and TA-TEKS curriculum by using student benchmark assessments. • 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.

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

- 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.
 - 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.
 - 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.
 - 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.
 - Strategy 2.1.4: Offer peer mentoring in conjunction with collaborative partners and ESC Region 20.
- Objective 2.2: All teachers will be encouraged to meet SBEC standards for technology literacy.
 - 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.
 - 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.
- 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.

Will encourage:

- the development and use of innovative strategies for the delivery of specialized or rigorous courses and curricula through the use of technology, including distance learning technologies, particularly in areas that would not otherwise have access to such courses or curricula due to geographical distances or insufficient resources

- 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.
 - 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.
 - 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.
 - 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.
- 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 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.

- 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.
- 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 4.5: The District will continue to investigate and assimilate

	<p>emerging technologies as appropriate to enhance teaching and learning.</p> <ul style="list-style-type: none"> ○ 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).
9	<p>Parental involvement Will use technology effectively to:</p> <ul style="list-style-type: none"> • promote parental involvement • increase communication with parents, including a description of how parents will be informed of the technology being applied in the child's education <ul style="list-style-type: none"> • Objective 1.4: Technology will be used as a tool to increase the literacy and technology proficiency of parents and the community. <ul style="list-style-type: none"> ○ Strategy 1.4.1: Campus and District facilities including

	<p>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.</p> <ul style="list-style-type: none"> ○ 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. <ul style="list-style-type: none"> ● Objective 3.2: Administrators, staff and teachers will use online methods of information delivery to communicate with stakeholders, parents and the community. <ul style="list-style-type: none"> ○ 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.
10	<p>Collaboration with adult literacy service providers</p> <ul style="list-style-type: none"> ● Description of how the program will be developed, where applicable, in collaboration with adult literacy service providers <ul style="list-style-type: none"> ● Objective 1.4: Technology will be used as a tool to increase the literacy and technology proficiency of parents and the community. <ul style="list-style-type: none"> ○ 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

	<p>allows.</p> <ul style="list-style-type: none"> ○ 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. <ul style="list-style-type: none"> ○ 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.
11	<p>Accountability measures Process and accountability measures that evaluate the extent to which activities are effective in:</p> <ul style="list-style-type: none"> ● integrating technology into curricula and instruction ● increasing the ability of teachers to teach ● enabling students to reach challenging State academic content and student academic achievement standards ● Objective 1.1: All students will become technology proficient and will use technology as a tool to improve academic achievement. <ul style="list-style-type: none"> ○ 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. ○ 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.

- 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.
- Strategy 1.1.4: Use web-based AEIS-IT and other performance analysis software to analyze student success, strengths and weaknesses.
- Strategy 1.1.5: Ensure full implementation of the TEKS and TA-TEKS curriculum by using student benchmark assessments.
- 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.
 - 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 3.1: All schools will continue to utilize technology as a tool to maintain and access student records.
 - 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.
 - Strategy 3.1.2: All campuses will analyze AEIS data to adjust campus goals and make decisions regarding the improvement of student achievement.
 - 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.
 - Strategy 3.1.4: All campuses and administrative offices will continue to use online student record and administrative software.
 - Strategy 3.1.5: All teachers and staff will receive training in the use of GradeSpeed and RSCCC 2000 as appropriate.
- 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.

Supporting resources

- Supporting resources (such as services, software, other electronically delivered learning materials, and print resources) that will be acquired to ensure successful and effective uses of technology
 - Objective 1.1: All students will become technology proficient and will use technology as a tool to improve academic achievement.
 - 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.
 - 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.
 - 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.
 - Strategy 1.1.4: Use web-based AEIS-IT and other performance analysis software to analyze student success, strengths and weaknesses.
 - Strategy 1.1.5: Ensure full implementation of the TEKS and TA-TEKS curriculum by using student benchmark assessments.
 - 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.
 - 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 1.3: The District will enhance the teaching and learning process and promote non-traditional learning opportunities through increased accessibility to innovative technologies and methodologies.
 - 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.
 - 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.
 - 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.
- 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 3.3: 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

	<p>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).</p>
--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------