

# **BISHOP CONS ISD Technology Plan**

**2007 - 2010**

**CHRISTINA GUTIERREZ**

**SUPERINTENDENT**

## DISTRICT PROFILE

**ESC Region** 2  
**City, State Zip** BISHOP, TX 783432708  
**Phone** (361) 584-3591  
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**County District Number** 178902

<b>Number of Campuses</b>	5
<b>Total Student Enrollment</b>	1179
<b>District Size</b>	1,000 - 1,599
<b>Percent Econ. Disadvantaged</b>	55.97%

<b>Technology Expenditures</b>	<b>\$584,346.00</b>
<b>Technology budgets reported in plan by category</b>	Teaching and Learning Budget \$73,833.00 Educator Preparation and Development Budget \$41,611.00 Leadership, Administration and Support Budget \$14,600.00 Infrastructure for Technology Budget \$454,302.00 <b>Total: \$584,346.00</b>
<b>Technology Expenditure Per Pupil</b>	\$495.63
<b>Number of Campuses with Direct Connection to Internet</b>	5
<b>Percentage of Campuses with Direct Connection to Internet</b>	100.00%
<b>Number of Classrooms with Direct Connection to Internet</b>	93
<b>Percentage of Classrooms with Direct Connection to Internet</b>	100.00%
<b>Computer/Student Ratio</b>	2 student(s) for every computer
<b>Computer/Teacher Ratio</b>	1 teacher(s) for every computer
<b>Number of campuses that need to complete the Texas Campus STaR Chart</b>	5
<b>Percentage of campuses that have completed the Texas Campus STaR Chart</b>	100.00 %

# Plan Introduction

Plan Last Edited 04/15/2009

<b>Plan status:</b>	approved
<b>Years Included in the Plan:</b>	2007 - 2010
<b>Number of years covered by the plan:</b>	3
<b>Years Approved for the Plan:</b>	2007 - 2010
<b>Number of approved years:</b>	3

This is an Updated plan. The plan editor entered these comments about the changes since last year's plan:

Revised Tech Plan Committee Revised Tech contacts Visited strategies and budget: updated where needed.

## Technology Planning Committee

Nancy Moerbe - Technology Director  
Virginia Davila - Peronila Elementary  
Anna Trujillo - Petronila Elementary  
Connie Davila – Bishop Primary  
Sheri Hayes – Bishop Elementary  
Linda Harborth - Luehrs Jr. High  
Carolyn Lee - District Business Manager  
Eden Hernandez - Assistant Superintendent/Curriculum Coord.  
Christina Gutierrez – Superintendent

## Executive Summary

Bishop CISD endorses the concept that technology is an integral part of the educational process and development of all students. The district technology plan includes a needs assessment with equipment inventory, demographics and TAKS test results up to 2007.

The plan continues with five major divisions:

The District shall set challenging expectations that exceed state averages for academic performance as measured by the AEIS report.

The District shall offer a challenging comprehensive curriculum that is appropriate for each student's educational needs.

The District staff will join parents and community members to provide maximum opportunities for learning.

The District shall ensure equal access to user-friendly technology for all students and district personnel during and after school. Technology will be implemented and utilized in the areas of instruction, organizational management, staff development and communication between the community, parents, and district personnel.

The District shall promote an environment that is safe, orderly, and drug-free to encourage a positive self-image and a need for respecting others.

Each division is supported by technology objectives such as provide meaningful staff development, infuse technology and TEKS into the curriculum, maintain the district LAN and WAN and to sustain the increase of technology usage. The plan also provides for several actions that identify the staff responsible, resources, time frame and evaluation.

## Needs Assessment

### Assessment Process:

Bishop CISD endorses the concept that technology is an integral part of the educational development of all, and that Internet connectivity will increase student knowledge of "real-world" applications; however, the reality is that existing technology in Bishop CISD will not meet all the challenges of an ever-changing future. Presently, 10 percent of the equipment is obsolete, in need of upgrading or replacing. Bishop CISD has identified, through this needs assessment, an obligation to enhance the instructional curriculum with technology in order to give our students the advantages that information literacy and retrieval provide.

### Existing Conditions:

Petronila Elementary - Average of 3 computers per classroom, 1 computer lab with 22 computers, Library has 6 computers for AR use, 1 AR server, 1 Campus server, Scanners in most classrooms, At least 1 printer per room, 3 shared laser printers

Bishop Primary - Average of 4 computers per classroom, 1 computer lab with 25 computers, 1 AR server, 1 campus server, scanners and laser printers in all classrooms, all classrooms have projectors mounted in ceiling and 3 shared laser printers.

Bishop Elementary - Average of 4 computers per classroom, 1 computer lab with 23 computers , 1 mobile computer lab with 16 wireless laptop computers, Library has 1 computer with 3 nComputing stations, 1 AR server, 1 computer for library checkout system, shared laser printers, at least 1 printer per classroom, wireless connectivity on entire campus, has gigabit backbone, all classrooms have projectors mounted in ceiling and connected to media center equipment (dvd player, computer, theater sound system)

Luehrs Junior High - 1 computer per classroom, Library has 7 computers for student/staff use, North computer lab with 20 computers, West lab has 25 computers, at least 1 printer per room, shared laser printers installed, all classrooms have LCD ceiling mounted projectors and connected to media center equipment (dvd player, computer, theater sound system)

Bishop High School - 1 computer per classroom, 8 classrooms with 5 or more computers, library has 20 desktop computers, 1 mobile computer lab with 17 wireless laptop computers, 1 server for library applications, at least 1 printer per room, wireless connectivity on entire campus, shared laser printers installed, majority of rooms have LCD projectors mounted in ceiling with appropriate cables and other projectors are available for use in classrooms, 1 lab with 22 multimedia computers and LCD projector mounted into ceiling.

District Software - Commercial: Microsoft Office (2000, XP,2003 and 2007), Adobe CS3, AutoDesk Inventor 8, Filemaker Pro

Open Source: Open Office

District Equipment - 1 Exchange server, 1 Web server, 1 Authentication (main)server 1 file server all running MS Server 2003. Main server is also running Anti-virus applications (Symantec), Primary and Petronila campuses are connected via "line of sight" wireless bridge, all other campuses are connected via gigabit fiber

Technology Staff - 2 staff members

### Technology Needs:

Several additional servers are needed to provide more technology services for the campuses. A mail server for student accounts, streaming video/audio server, terminal server to allow older workstations to be used to extend useful life of existing equipment. Campuses need to have current wireless access points replaced due to failure rate. Additional bandwidth alternatives need to be investigated and possibly purchased to accommodate increased use of internet resources for distance learning and supplying gigabit connections to two remote campuses. A secondary ISP connection will also be looked at for emergency use in case primary ISP connection fails. Internal cable infrastructure needs to be replaced at all locations. Network switches also need to be replaced as well as some of the current UPS devices. Additional technology staff needs to be hired. Office support staff and tech. support need to be increased.

## Goals, Objectives, and Strategies

**GOAL 1: Technology will be implemented and utilized in the areas of instruction, organizational management, staff development and communication between the community, parents, and district personnel.**

**OBJECTIVE 1.1:**

Provide meaningful staff development for all staff to ensure effective use of information technologies

*Budget Amount \$41,611.00*

*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER02

NCLB Correlates: 01, 02, 03, 04b

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.1.1:	<p>Conduct Production Software Workshops</p> <p>LEA LRPT Correlates: EP01, EP02, EP04, EP05, EP06, EP07, EP08, EP09, LAS06, LAS08, LAS09, LAS10, LAS11, LAS12, LAS13, LAS14, LAS15, TL01, TL08, TL11</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>2007-2008:</p> <ul style="list-style-type: none"> <li>• Introduction to gradebook program, word processing, spreadsheets, databases for new staff 2008-2009:</li> <li>• Continue Advanced Presentation applications, including multimedia</li> <li>• Introduction to gradebook program, word processing, spreadsheets, databases for new staff 2009-2010:</li> <li>• Continue Advanced Presentation applications, including multimedia</li> <li>• Introduction to gradebook program, word processing, spreadsheets, databases for new staff</li> </ul>	<p>Director for Instructional Management, Technology Department, Campus Instructional leaders</p>	<p>Formative:</p> <ul style="list-style-type: none"> <li>• Records of workshop contracts, agendas, attendance.</li> </ul> <p>Summative:</p> <ul style="list-style-type: none"> <li>• Appropriate number of workshops held to accommodate the number of staff needing training; agendas reflect objectives and activities needed, classroom lesson plans reflect implementation of technology integration.</li> </ul>
1.1.2:	<p>Conduct Internet Use workshops</p> <p>LEA LRPT Correlates: EP01, EP03, EP04, EP05, I06, I09, LAS03, LAS06, LAS09, TL11, TL14, TL15, TL16</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>2007-2008:</p> <ul style="list-style-type: none"> <li>• Basic competencies, e-mail, searches, navigation for remaining and new staff members</li> <li>• Continue sessions for parents and</li> </ul>	<p>Director for Instructional Management, Technology Department, Campus Instructional leaders</p>	<p>Formative:</p> <ul style="list-style-type: none"> <li>• Records of workshop contracts, agendas, attendance, lesson plans that document integration of technology filed at the campus office, and evaluations on file after each workshop in Office of Assistant Superintendent for Instructional Management.</li> </ul> <p>Summative:</p>

		<p>community</p> <ul style="list-style-type: none"> <li>• Teach advanced Internet use for experienced staff to include web page design for student remote access and integrated curriculum design and sharing. (high school)</li> </ul> <p>2008-2009:</p> <ul style="list-style-type: none"> <li>• Basic competencies for new staff members</li> <li>• Continue sessions for parents and community</li> <li>• Teach advanced Internet use for experienced staff</li> </ul> <p>2009-2010:</p> <ul style="list-style-type: none"> <li>• Basic competencies for new staff members</li> </ul>	<ul style="list-style-type: none"> <li>• Appropriate number of workshops held to accommodate the number of staff and community needing training; agendas reflect objectives and activities needed.</li> </ul>
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**OBJECTIVE 1.2:**

Utilize technology to involve parents and community members in the educational process

*Budget Amount \$9,600.00*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01

NCLB Correlates: 06, 08, 09, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.2.1:	<p>Offer training to parents and community members to teach them how to access the district web-site for district information and communication with staff. Training is to also include various software applications.</p> <p>LEA LRPT Correlates: LAS06, LAS07, LAS09, LAS11</p>	<p>State: Revised</p> <p>Status: In Progress</p>	2007-2010	Technology Director, Assistant Superintendent, Superintendent	<p>Formative: Training session sign-in sheets, training agendas, lesson plans</p> <p>Summative: Training session evaluation forms on file</p>

**OBJECTIVE 1.3:**

Provide Adult Literacy Information

*Budget Amount \$0.00*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01

NCLB Correlates: 10

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.3.1:	Create links on District Web site to various Adult Literacy service providers  LEA LRPT Correlates: LAS09	State: Revised  Status: In Progress	2007 - 2008 Create links on web site 2008 - 2009 Maintain links and add/remove additional links 2009 - 2010 Maintain links and add/remove additional links	Technology Director	Formative: Web site reviewed by Administrative staff and community members Surveys to community and staff once a year Summative: Web site reviewed and modified according to needs

**GOAL 2: Infuse technology and Texas Essential Knowledge and Skills into the curriculum in 100% of core subjects.**

**OBJECTIVE 2.1:**

Students will make informed decisions about technologies and their applications. Students will use a variety of technologies such as computers, scanners, LCD panel/projector, wireless tablets and digital cameras and will be able to use productivity applications, be proficient in accessing, sending, receiving information and utilize the internet for classroom projects.

*Budget Amount \$73,833.00*  
*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01  
 NCLB Correlates: 01, 02, 04a, 04b, 07, 08, 09, 11, 12

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.1.1: Organize and develop instructional materials for integration of subject areas.  LEA LRPT Correlates: TL02, TL03, TL04, TL06, TL08, TL09, TL10, TL11, TL12	State: Revised  Status: In Progress	2007-2008: • Develop at least one new or revised unit per semester 2008-2009: • Develop at least one new or revised unit per semester, continue as curriculum adjustments are needed. 2009-2010: • Develop at least one new or revised unit per semester, continue as curriculum adjustments are needed.	Assistant Superintendent, Technology Department, Principals	Formative: • Units reviewed by department chairs and campus instructional leaders as they are written and implemented • Student, teacher surveys completed at the end of each unit • Parent surveys completed at the end of semester • Technology components included in annual comprehensive assessment • Units show use of Technology Applications TEKS, other resources Summative: • Timely units in place; curriculum remains dynamic
2.1.2: Students will be given rigorous coursework using technology applications and include online/distance learning and eventually include online videoconferencing.  LEA LRPT Correlates: TL03, TL05, TL06, TL07, TL08, TL09, TL10, TL12, TL13	State: Revised  Status: In Progress	2007-2008: • Review work and projects created by students 2008-2009: • Review work and projects created by students and continue as curriculum adjustments are needed. 2009-2010: • Review work and projects created by students and continue as curriculum adjustments are needed.	Assistant Superintendent, Principals	Formative: • Student work reviewed by department chairs and campus instructional leaders • Student, teacher surveys completed at the end of semester • Parent surveys completed at the end of semester • Technology components included in annual comprehensive assessment • Student work shows use of Technology

					Applications TEKS, other resources Summative: • Timely units in place; curriculum remains dynamic
2.1.3:	Collaborate with local colleges and universities to offer dual credit courses to students.  LEA LRPT Correlates: TL08, TL10, TL11, TL12, TL13, TL14, TL15, TL16	State: Revised  Status: In Progress	2007-2008 • Work with officials from surrounding colleges and universities to offer dual credit courses for students  2008-2009 • Work with officials from surrounding colleges and universities to offer dual credit courses for students  2009-2010 • Work with officials from surrounding colleges and universities to offer dual credit courses for students	Assistant Superintendent, Principals	Formative: • Units reviewed by campus instructional leaders as they are written and implemented • Student, teacher surveys completed at the end of each unit • Parent surveys completed at the end of semester • Technology components included in annual comprehensive assessment • Units show use of Technology Applications TEKS, other resources Summative: • Timely units in place; curriculum remains dynamic
2.1.4:	Ensure acceptable use of technology in the district offices and classrooms.  LEA LRPT Correlates: LAS01, LAS02, LAS04, LAS05, TL14, TL15, TL16	State: Revised  Status: In Progress	2007-2008: • Implement monitoring via automated system for monitoring network usage and review reports generated by system and provide training for students and staff on correct usage. 2008-2009: • Continue monitoring and training 2009-2010: • Continue monitoring and training	Assistant Superintendent, Principals Technology Department	Formative: • Reports reviewed by Technology Director and campus instructional leaders as they printed monthly • Student, teacher, parent AUP Contracts completed at the beginning of each school year • Units show use of Technology Applications TEKS, other resources Summative: • Reports kept on file • AUP Contracts on file

<b>GOAL 3: Maintain the District Local Area Network and Wide Area Network</b>					
<b>OBJECTIVE 3.1:</b>					
District Technology Director and Technician continue to attend workshops and conferences that will keep them abreast of changes in technology					
<i>Budget Amount \$5,000.00</i>					
<i>LRPT category: Leadership, Administration and Support</i>					
E-Rate Correlates: ER02					
NCLB Correlates: 03, 04b, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.1.1:	Participate in grantee listserv, attend formal training when available  LEA LRPT Correlates: LAS06	State: Revised  Status: Completed	2007-2010	Superintendent	Formative: • Trainers certified, listservs active; network down time recorded as it occurs, with methods used to repair and restore in Office of Assistant Superintendent Summative: • Report of maintenance on file in Office of Assistant Superintendent for Instructional Management shows minimal down time
<b>OBJECTIVE 3.2:</b>					
Maintenance of equipment and software					
<i>Budget Amount \$97,207.00</i>					
<i>LRPT category: Infrastructure for Technology</i>					
E-Rate Correlates: ER01, ER02					
NCLB Correlates: 01, 02, 03, 05, 06, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.2.1:	Maintain the district's network with the appropriate hardware and software  LEA LRPT Correlates: I01, I05, I06, I07, I08, I09	State: Revised  Status: In Progress	2007-2010	Technology Department	Formative: Equipment assessment survey by staff Periodic review of technology work orders on-line Summative: Final detailed report of technology on-line work orders

<b>GOAL 4: Steadily expand the acquisition of infrastructure for Technology</b>					
<b>OBJECTIVE 4.1:</b>					
Increase the use of technology in the district by expanding the infrastructure					
<i>Budget Amount \$357,095.00</i>					
<i>LRPT category: Infrastructure for Technology</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 03, 05, 06					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.1.1:	Request a commitment of local funds from board of trustees  LEA LRPT Correlates: I02	State: Revised  Status: In Progress	Beginning: Spring, 2007 Ending: At each grant funding cycle, partnership agreement, state fiscal year	Assistant Superintendent, Technology Committee	Formative: • Grants received, partnership agreements on file, evidence of funds received on file, records of state allotment use on file Summative: • Adequate funds each year for growth in the use of technology for all students
4.1.2:	Coordinate with federal sources  LEA LRPT Correlates: I02, I03, I06	State: Revised  Status: In Progress	Beginning: Spring, 2007 Ending: At each grant funding cycle, partnership agreement, state fiscal year	Assistant Superintendent Technology Committee	Formative: • Grants received, partnership agreements on file, evidence of funds received on file, records of state allotment use on file Summative: • Adequate funds each year for growth in the use of technology for all students
4.1.3:	Actively search for grant opportunities  LEA LRPT Correlates: I01, I02, I03, I05, I06, I07	State: Revised  Status: In Progress	Beginning: Spring, 2007 Ending: At each grant funding cycle, partnership agreement, state fiscal year	Technology Committee	Formative: • Grants received, partnership agreements on file, evidence of funds received on file, records of state allotment use on file Summative: • Adequate funds each year for growth in the use of technology for all students
4.1.4:	Expand the district networks with appropriate hardware and software  LEA LRPT Correlates: I02, I03, I04, I06, I08, I09	State: Revised  Status: In Progress	2007-2008 Upgrade the existing computer labs at all campuses (currently 6 labs approximately 140 computers) Add 3 more servers to the district backbone Implement Grade Speed online system for external access for parents Upgrade High School Library equipment (20 systems) Upgrade CAT 5 Wiring in 3 labs	Superintendent	Formative: Needs Assessment Survey conducted Summative: Expansion of network according to prioritized needs

(HS) to CAT 6  
 Upgrade CAT 5 to CAT 6 in HS Library  
 Upgrade wireless AP at HS  
 Institute WEP for all wireless APs in the district  
 Prepare facility for Distance Learning  
 Install LCD projector in JH and Elementary classrooms  
 Install wireless tablets at HS and JH  
 2008-2009  
 Upgrade the existing computer systems at two campus libraries, Petronila and Primary (approximately 8 computers to 20 computers)  
 Maintain Grade Speed online system for external access for parents  
 Upgrade CAT 5 to CAT 6 in JH and Elementary Library  
 Upgrade CAT 5 to CAT 6 at Petronila Campus and Primary Campus  
 Upgrade Network Backbone switches at HS campus and JH campus  
 Upgrade/replace wireless AP at HS and JH  
 Install wireless AP at Petronila and Primary Campus  
 Implement alternative ISP connection to internet as emergency fallover to main connection  
 Purchase basic equipment for Distance learning  
 Replace wireless bridge to leased fiber lines for Petronila and Primary campus  
 Install LCD Projectors at HS, Primary and Petronila Campuses  
 Install wireless tablets at Petronila and Primary Campuses  
 2009-2010  
 Upgrade/replace wireless AP at Elementary campus  
 Upgrade remaining CAT 5 to Cat 6 at HS  
 Upgrade remaining CAT 5 to Cat 6 at JH  
 Maintain Grade Speed online system for external access for parents  
 Upgrade/replace wireless AP at Elementary Campus  
 Replace network switches at Elementary, Primary and Petronila campus  
 Install wireless tablets at any remaining classrooms without tablets  
 Maintain leased fiber

			connections for Petronila and Primary campuses		
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## Budget

Total amount of Title II, Part D formula funds received for the current year of this plan: \$1,939.00

Method of application for formula funds: Local Application

<b>Budget year 2007</b>		
<b>Budget item</b>	<b>Cost</b>	<b>Funding Sources with amount per source</b>
Staff Development	\$41,611.00	Title II Part A - \$10,000 Title II Part D - \$1,939 Local - \$29,611
Telecommunications & Internet Access	\$37,764.00	Erate - \$29,078 Local - \$8,686
Materials & Supplies	\$12,000.00	Title I Part A - \$2000 Local - \$10,000
Equipment	\$97,207.00	Title I Part A - \$45,317 Local - \$31,890 Erate - \$20,000
Maintenance	\$5,000.00	Local - \$5,000
Miscellaneous Expenses	\$1,200.00	Title I Part A - \$1000 Local - \$200
<b>Total</b>	<b>\$194,782.00</b>	

<b>Budget year 2008</b>		
<b>Budget item</b>	<b>Cost</b>	<b>Funding Sources with amount per source</b>
Staff Development	\$41,611.00	Title II Part A - \$10,000 Title II Part D - \$1,939 Local - \$29,611
Telecommunications & Internet Access	\$37,764.00	Erate - \$29,078 Local - \$8,686
Materials & Supplies	\$12,000.00	Title I Part A - \$2000 Local - \$10,000
Equipment	\$97,207.00	Title I Part A - \$45,317 Local - \$31,890 Erate - \$20,000
Maintenance	\$5,000.00	Local - \$5,000
Miscellaneous Expenses	\$1,200.00	Title I Part A - \$1000 Local - \$200
<b>Total</b>	<b>\$194,782.00</b>	

<b>Budget year 2009</b>		
<b>Budget item</b>	<b>Cost</b>	<b>Funding Sources with amount per source</b>
Staff Development	\$41,611.00	Title II Part A - \$10,000 Title II Part D - \$1,939 Local - \$29,611
Telecommunications & Internet Access	\$37,764.00	Erate - \$29,078

		Local - \$8,686
Materials & Supplies	\$12,000.00	Title I Part A - \$2000 Local - \$10,000
Equipment	\$97,207.00	Title I Part A - \$45,317 Local - \$31,890 Erate - \$20,000
Maintenance	\$5,000.00	Local - \$5,000
Miscellaneous Expenses	\$1,200.00	Title I Part A - \$1000 Local - \$200
Total	\$194,782.00	

# Evaluation

**Evaluation Process:**

The evaluation of the Technology Plan will be a process that will be checked October and May by the Technology Committee. A report is to be given to the Superintendent and School Board.

**Evaluation Method:**

Several methods will be used to assess the progress made toward reaching the goals of the Technology Plan:

Texas Start Charts

Sign In Sheets

Lesson Plans

Yearly Inventory of hardware and software

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BISHOP CONS ISD does not discriminate on the basis of sex, disability, race, color, age, or national origin in its educational programs, activities, or employment as required by Title IX, Section 504 and Title VI.