

# **CHANNELVIEW ISD Technology Plan**

**2009 - 2011**

**Greg Ollis**

**SUPERINTENDENT**

## DISTRICT PROFILE

**ESC Region** 4  
**City, State Zip** CHANNELVIEW, TX 775302603  
**Phone** (281) 452-8008  
**Fax** (281) 452-8070  
**County District Number** 101905

<b>Number of Campuses</b>	12
<b>Total Student Enrollment</b>	8568
<b>District Size</b>	5,000 - 9,999
<b>Percent Econ. Disadvantaged</b>	75.75%

<b>Technology Expenditures</b>	<b>\$1,573,860.00</b>
<b>Technology budgets reported in plan by category</b>	Teaching and Learning Budget \$265,930.00 Educator Preparation and Development Budget \$172,550.00 Leadership, Administration and Support Budget \$118,350.00 Infrastructure for Technology Budget \$1,017,030.00 <b>Total: \$1,573,860.00</b>
<b>Technology Expenditure Per Pupil</b>	\$183.69
<b>Number of Campuses with Direct Connection to Internet</b>	12
<b>Percentage of Campuses with Direct Connection to Internet</b>	100.00%
<b>Number of Classrooms with Direct Connection to Internet</b>	609
<b>Percentage of Classrooms with Direct Connection to Internet</b>	100.00%
<b>Computer/Student Ratio</b>	4 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>	12
<b>Percentage of campuses that have completed the Texas Campus STaR Chart</b>	100.00 %

# Plan Introduction

Plan Last Edited 12/17/2008

<b>Plan status:</b>	approved
<b>Years Included in the Plan:</b>	2009 - 2011
<b>Number of years covered by the plan:</b>	2
<b>Years Approved for the Plan:</b>	2009 - 2011
<b>Number of approved years:</b>	2

## Technology Planning Committee

Greg Ollis – Superintendent  
Robert Worthy – Assistant Superintendent  
Kris Lynn – Executive Director of Operations  
Roxanne Wilson – Executive Director of Student Services  
Kenneth Craft - Channelview High School  
Georgina Hullum - Channelview High School  
Melanie Baker - Kolarik 9th Grade Center  
Scott Johnson - Alice Johnson Jr. High  
Sonia Torres – McMullan Elementary  
Andrew Herrera – Cobb Elementary  
Geoffrey Porter - DeZavala Elementary  
Jeanni Hicks – Schochler Elementary  
Chad Nuetzmann - Hamblen  
Dina Rich - Instructional Technologist  
Gladys Carlin - Crenshaw Elementary  
Shirley Mertz - Harvey Brown Primary  
Judy Lee - Annex Pre-K  
Rhonda Perez - Apollo/Endeavor  
Debra Lewis - Special Services  
Kevin Rich – Technology Director  
Eddie Lopez – Technology Department

## Executive Summary

The Channelview Independent School District Plan for Technology is intended to cover all aspects for the use of technology in the District for the next school year. The goals and objectives, as well as the mission and vision for technology are aligned with those set by the Board for our District. We have also designed the Plan to reflect planning requirements for the Federal Schools and Libraries Universal Service Support Program (E-Rate), the Title II, Part D Enhancing Education Through Technology Program of No Child Left Behind (NCLB), and the recommendations as defined by the Texas Long-Range Plan for Technology for submission to the Texas e-Plan System. Because technology is a moving entity, and new and emerging technologies are becoming available daily, the Plan is intended as a framework that we can build on, not as an end all. All students and employees of the District will benefit from this plan. This document represents a "work-in-progress" plan. As the Plan is evaluated, items of need will be added, those that have been completed will be removed.

# Needs Assessment

## Assessment Process:

To facilitate the development of the plan and to ensure that all areas of CISD were considered, a comprehensive hardware audit was conducted and campus staff and program directors were interviewed. In preparation for developing the plan, activities included: attending planning meetings, participation in site visits, researching "best practices" using technology applications in the educational environment, researching "state-of-the-art" technology, reviewing the district's inventory of hardware, software, and organizational structures, soliciting information from the public regarding technology needs, developing technology "action plans", developing a process for annual evaluation of the district's technology plan, and participating in the presentation of the plan to the Board of Trustees.

A comprehensive needs assessment was conducted utilizing:

- \* the Texas STaR Chart
- \* district-developed online surveys of staff
- \* a comprehensive curriculum audit
- \* a network infrastructure study
- \* the District (Board of Trustee's) Goals

to analyze the current status of technology in the district and determine future needs. The items analyzed included student achievement, courses, programs, technology resources, staff development, infrastructure, staffing, hardware, software, and technical support.

## Existing Conditions:

Findings from the Texas STaR Chart and online surveys indicated that access to classroom technology and the internet in particular, are adequate. Most teachers and staff are comfortable using technology for their own personal productivity; however, integration of technology in the classroom continues to be a challenge.

**TELECOMMUNICATIONS SERVICES:** The current internet connection has been expanded to a fiber connection from Time Warner (Comcast) utilizing 10MB data throughput. We are currently monitoring our level of usage in order to prepare for future demands.

All campuses, support locations and administrative offices are interconnected through gigabit fiber optic backbone using lines leased from Time-Warner (Comcast). Every classroom and office in the district is connected to the Wide Area Network (WAN) and the Internet.

The network infrastructure study found that although connectivity was widespread (100% of classrooms connected), network performance needs improvement due to ad hoc network growth and the resulting cascading of network switches.

We are currently replacing any existing hubs in all classrooms, administrative offices, and computer labs, that do not meet a minimum of standard of 10/100 connectivity.

All campuses, support locations and administrative offices are connected to telephone service. Three campuses currently utilizes Voice Over Internet Protocol (VOIP) technologies. The administrator survey indicated a need to upgrade our telecommunication system to VOIP technologies district wide.

We currently have limited wireless connectivity established at four campuses. The results of our faculty and administrative surveys both indicated a need for expanding wireless capabilities.

**HARDWARE:** Supporting equipment at each location may be different depending on the campus layout and users, but is consistent with CISD's plan for the broadband network, made up, for the most part, of CISCO layer 3 switches. We are currently upgrading the network switches to support Power Over Ethernet (POE) in anticipation of the upgrade to VOIP. Some spare equipment is stocked for quick replacements as needed. Every campus has a minimum of one print and one file server. Each server is backed up regularly, and connected to a UPS.

We are currently replacing workstations that are beyond our 5 year replacement cycle to establish a minimum of 4 workstations per classroom.

We are currently in the first year of our transition to a new centralized web-based Student Information System.

We are currently in the process of upgrading our campus library information systems. We are starting with campuses with Macintosh servers older than our 5 year replacement cycle, and replacing them with a web-based system housed on a centralized Windows server. Each elementary library has a minimum of three workstations. Each secondary library has a minimum of five workstations.

Six of our campuses have a television in each classroom. All campuses have access to a data projector for multimedia applications, Internet display, and software introduction and use. Our faculty survey results indicate a need for more multimedia displays including data projectors, interactive white boards, document cameras, and interactive response systems.

Every campus has available digital cameras, digital video cameras, flatbed scanners, networked laser printers, DeskJet printers, and laptops. Two campuses have wireless mobile labs.

**SOFTWARE:** The district utilizes the following software:

Accelerated Reader/Reading Renaissance - is a program that is designed to encourage students to read independently. Once students have

- read an AR book they take a test that is designed to measure comprehension only. The AR program helps students focus attention on careful reading of books, which improves students' critical-thinking skills and builds the intrinsic love of reading.
- Achievement Series - is a web-based application used for creating, delivering, and analyzing benchmark testing.
- CIRCLE – is used for benchmark language testing as a precursor to TPRI/TejasLee
- Destiny - is a web-based library information system
- DDC – is software that is used for preparing students for the Microsoft Office certification exams
- Easy Tech Learning.Com - is a web-based application used by students to reinforce Technology Application TEKs 6-8.
- EDP - is the district's current financial system software.
- Eduphoria - is our new web-based application used for PDAS and for documenting Professional Development.
- eSchoolPlus - is our new web-based student information system
- Hayes Textbook Inventory Program – is used as a tool for monitoring textbook checkout.
- InfoCenter – is a library information system used at some campuses.
- Kronos - is software is currently being implemented for use by the business office for managing employee hours.
- Microsoft Office - Word, Excel, PowerPoint, Access, and Publisher are used as productivity tools by students and staff to create documents, spreadsheets, presentations, databases, and publications.
- NerDeveloper - is a web-based application used to develop and share district curriculum.
- Orchard - is a server-based, assessment, and management system used by students, teachers, and administrators. Teachers build custom learning activities according to student needs or course objectives. Teachers and administrators are able to track and monitor student performance and individualize instruction according to generated reports.
- PLATO PWLN- is an on-line courseware, assessment, and management system used by students, teachers, and administrators. Teachers build custom learning activities according to student needs or course objectives. Teachers and administrators are able to track and monitor student performance and individualize instruction according to generated reports.
- Quia - is a web-based application used by teachers to access and create online educational activities.
- Read 180 - is a program used to assist with reading comprehension strategies.
- Reading Counts – is a program used to promote reading comprehension.
- Rosetta Stone - is a server-based application used by district ESL students to practice English Language acquisition skills.
- SEAS - is a web-based application used by the Special Services department to create Individualized Educational Plans.
- SRA TechKnowledge - is a web-based application used by students to reinforce Technology Application TEKs K-5.
- Star Reading - is a testing program that allows teachers, librarians and administrators to determine the appropriate (reading) book level of challenge for each child, instantly place new students, and identifies those who need individual help.
- Study Island - is a web-based tutorial program
- Success Maker Enterprises - is a server-based, assessment, and management system used by students, teachers, and administrators. Teachers build custom learning activities according to student needs or course objectives. Teachers and administrators are able to track and monitor student performance and individualize instruction according to generated reports.
- Teachscape - is an online staff development tool used by the Pre-K campus.
- Triand – is an online application used for disaggregating state testing data.
- United Streaming - is accessed via the Internet through Region IV and provides classrooms with a library of educational videos that are available for download.
- Waterford - is an application used by Pre-K and Primary students to reinforce language, math and science acquisition.

Winebago/Spectrum – is a library information system used at some campuses.

All software is licensed. Monitoring procedures will be established so that, as additional users are added to the network, licenses are upgraded to meet the number of users.

District surveys of staff development and technology implementation indicated most staff have the needed tools but need extra assistance to move from exploration to integration.

**Technology Needs:**

While the focus of previous CISD technology plans were dominated by technology infrastructure, i.e., computers, software, and networks, the key for the next year are issues including:

- Training
- Staffing patterns
- Curriculum integration
- Growing bandwidth requirements as network usage increases
- Hardware and software obsolescence
- Online learning
- Classroom technology resources
- Integrated Voice Communication Systems

Technology needs have been identified in CISD and are reflected in the goals and objectives of this Technology Plan.

There is a need to implement a planned renewal of technology so that every computer is no more than five years old.

There is a need to meet the increasing demands of users for network, hardware and software resources.

There is a need to address changing hardware standards - DVDs rather than VCRs, and Data Projectors rather than TVs and overheads- for example.

There is a need for increased instructional and technical support staffing

There is a need for improving network performance and robustness to provide for the increasing demands and expectations of District users. The network electronics need to be replaced/upgraded. Provision for additional bandwidth will likely be needed in the future.

Campus STaR surveys indicated a need for improvement in the area of classroom technology resources, including an increase in the number of available student computers per classroom.

Campus STaR surveys indicated a need for improvement in teacher use of online resources with their students as well as their own professional development in the effective use of online resources.

Administrator surveys have indicated a need for upgrading the district's telecommunication system to a district-wide Voice over IP system that integrates voice and messaging.

We have identified an existing need to provide on-going training and support to all end users of our new Student Information system. This training will be provided by both local staff and the vendor.

Finally, there is a need for staff development proficiency initiatives that include a focus on integrating Technology Application TEKS.

## Goals, Objectives, and Strategies

**GOAL 1: Enhance the technology infrastructure through district-wide implementation of state-of-the-art technology as an integral part of the campus instructional environment**

**OBJECTIVE 1.1:**

Maintain a network infrastructure to support the interconnection of the district classrooms for data telecommunications

*Budget Amount \$85,260.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

NCLB Correlates: 02, 03, 05, 06, 08, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.1.1:	Maintain a connection from the district to the Internet that provides adequate bandwidth for accessing e-learning technologies and resources for all students and staff.  LEA LRPT Correlates: I01, I03, I05, I08, I09, TL09, TL10, TL12, TL16	State: Revised  Status: In Progress	2009-2011	Technology Director	Internet connection to all classrooms
1.1.2:	Increase the current 10MB connection from the district to the Internet to keep up with the growing demand for online content.  LEA LRPT Correlates: I01, I03, I05, I08, I09, TL09, TL10, TL12, TL16	State: Original  Status: Planned	2009-2011	Technology Director	Bandwidth utilization reports
1.1.3:	Continue to monitor available Internet bandwidth to determine that adequate bandwidth is being provided for accessing e-learning technologies and resources for all students and staff  LEA LRPT Correlates: I01, I02, I03, I05, I08, I09, TL09, TL10, TL12	State: Revised  Status: In Progress	2009-2011	Technology Director	Monitoring reports showing available bandwidth
1.1.4:	Maintain a minimum standard of 10/100Mbs for all classroom and lab level network appliances.  LEA LRPT Correlates: I01, I05, I06, I08	State: Revised  Status: In Progress	2009-2011	Technology Director	10/100/1000 Mbs switches
1.1.5:	Maintain GB fiber connection between campuses  LEA LRPT Correlates: I01, I02, I05, I06, I08, I09, LAS09, TL09, TL10, TL12, TL13, TL15, TL16	State: Revised  Status: Planned	2009-2011	Technology Director, Network Manager	Network monitoring reports
1.1.6:	Survey district facilities to determine feasibility of wireless networking solutions  LEA LRPT Correlates: I01, I02, I05, I06, I09	State: Original  Status: In Progress	2009-2010	Technology Director, Network Manager	Completed survey
1.1.7:	Deploy networking hardware that supports wireless networking  LEA LRPT Correlates: I01, I03, I05, I06, I07, I08, I09, TL09, TL10	State: Original  Status: Planned	2009-2011	Technology Director	Wireless network in use

**OBJECTIVE 1.2:**

Maintain a network infrastructure to support the interconnection of the district classrooms for voice telecommunications

*Budget Amount \$8,120.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

NCLB Correlates: 03, 05, 06, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.2.1:	Maintain telephone service to every classroom  LEA LRPT Correlates: I01, I02, I07, I08, LAS09	State: Revised  Status: In Progress	2009-2011	Technology Director	Telephone access to all staff
1.2.2:	Provide emergency communication system between administration and campuses  LEA LRPT Correlates: I01, I02, I07	State: Revised  Status: In Progress	2009-2011	Assistant Superintendent	Ability to communicate when phones are out

**OBJECTIVE 1.3:**

Upgrade the network infrastructure to support integrated Voice Over IP telecommunication

*Budget Amount \$558,250.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 03, 04b, 05, 06, 09, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.3.1:	Complete a network survey of existing network equipment to identify which devices will need to be replaced in order to support Power over Ethernet VOIP  LEA LRPT Correlates: I01, I02, I05, I08, LAS04	State: Revised  Status: In Progress	2009-2010	Technology Director	Completed plan
1.3.2:	Install the necessary hardware including network switches and voice gateways to support district-wide Voice over IP telecommunications  LEA LRPT Correlates: I01, I02, I05, I08, LAS04	State: Revised  Status: In Progress	2009-2011	Technology Director	Operational VOIP system online
1.3.3:	Upgrade VOIP call manager and unity software and hardware  LEA LRPT Correlates: I01, I06, I07, I08	State: Original  Status: Planned	2009-2010	Technology Director	Updated hardware and software in place

**OBJECTIVE 1.4:**

Investigate providing a network infrastructure to support the interconnection of the district classrooms for video telecommunications and distance learning

*Budget Amount \$0.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

NCLB Correlates: 03, 05, 06, 08, 12

Strategies		State/Status:	Timeline:	Person(s)	Evidence:

				<i>Responsible:</i>	
1.4.1:	Investigate video conferencing system as a means to provide access to distance learning  LEA LRPT Correlates: I01, I02, I05, I09, LAS15, TL09, TL12, TL13	State: Revised  Status: Planned	2009- 2010	Technology Director & Technology Committee	Compare different systems available
1.4.2:	Investigate other distance learning opportunities  LEA LRPT Correlates: I01, I02, I03, I05, I09, LAS15, TL08, TL09, TL12, TL13	State: Revised  Status: Planned	2009- 2010	Technology Director & Technology Committee	Compare different systems available
<b>OBJECTIVE 1.5:</b>					
Acquire hardware that supports instructional goals while aligning with industry standards					
<i>Budget Amount \$243,600.00</i> <i>LRPT category: Teaching and Learning</i>					
E-Rate Correlates: ER01 NCLB Correlates: 03, 05, 06, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.5.1:	Maintain a five-year replacement cycle for instructional and administrative hardware  LEA LRPT Correlates: I01, I04, I07	State: Revised  Status: In Progress	2009- 2011	Technology Director & Technology Committee	Documentation of installation dates and cycle dates
1.5.2:	Revise/publish minimum technology equipment specifications  LEA LRPT Correlates: I01, I04, I05, I07	State: Revised  Status: In Progress	2009- 2011	Technology Director	Specifications published
1.5.3:	Coordinate all hardware acquisitions with Technology Director/Committee  LEA LRPT Correlates: I01, I04, I07, LAS01, LAS02, LAS05, LAS07	State: Revised  Status: In Progress	2009- 2011	Technology Director & Technology Committee	Purchase order approval process
1.5.4:	Bring all campus libraries online with standard Library Automation Software  LEA LRPT Correlates: I01, LAS01, LAS09, LAS10, TL09, TL10, TL11, TL15	State: Revised  Status: In Progress	2009- 2011	Librarians & Technology Committee	Specification of Library Automation Software
1.5.5:	Maintain CISD at industry standard (PC compatible) platform  LEA LRPT Correlates: I01, I04, I05, I07	State: Revised  Status: In Progress	2009- 2011	Technology Director & Principals	Installation of new computer systems and printers
1.5.6:	Maintain the necessary hardware, including servers, to support a web-based student information system that provides secure access for teachers, parents, and students  LEA LRPT Correlates: EP03, I01, I03, I05, I07, I08, I09, LAS02, LAS03, LAS04, LAS07, LAS11, TL15, TL16	State: Revised  Status: In Progress	2009- 2011	Technology Director	Student Information System online and being used by teachers, parents, and students
1.5.7:	Purchase hardware for Technology Training	State:	2009-	Technology Director	Training facility opened for

	Facility LEA LRPT Correlates: EP01, EP02, EP03, EP08, I01, I05, I07	Revised Status: In Progress	2010	& Technology Committee	staff training
1.5.8:	Maintain a standard of at least 2 computer labs per campus that meet the specifications for online testing and learning. LEA LRPT Correlates: I01, I05, LAS10, LAS15, TL08, TL09, TL12, TL13	State: Revised Status: In Progress	2009-2011	Technology Director, Principals	Labs online
1.5.9:	Increase the number of Internet-connected multimedia computers per classroom available for student use to the Advanced Tech level on the STaR chart of 6 or more in both core and non-core classes LEA LRPT Correlates: I01, I04, I05, I07, I09, LAS01, LAS02, LAS03, LAS04, LAS05	State: Revised Status: In Progress	2009-2011	Technology Director, Technology Committee, Principals	Actual number of student computers per classroom, Teacher and Campus STaR results on INF1
1.5.10:	Support the transition from classroom inkjet printers to classroom laserjet printers LEA LRPT Correlates: I05, I07, I09, LAS01, TL12	State: Original Status: Planned	2009-2011	Technology Director, Campus Principals	Deployment of laser jet printers in CISD classrooms
1.5.11:	Support the transition from the use of traditional overhead projectors to document cameras LEA LRPT Correlates: I07, LAS01, TL08, TL12	State: Original Status: In Progress	2009-2011	Technology Director, Campus Principals	Use of document cameras in CISD classrooms
1.5.12:	Support the use of interactive tools including Interactive White Boards and Student Response Systems LEA LRPT Correlates: I07, LAS01, TL09, TL12	State: Original Status: In Progress	2009-2011	Technology Director, Campus Principals	Use of Interactive White Boards and Student Response Systems in CISD classrooms

**OBJECTIVE 1.6:**

Maintain, secure and protect district hardware and data

*Budget Amount \$365,400.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

NCLB Correlates: 05, 06, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.6.1:	Provide computer technicians to reach a standard of 1 technician per 800 hardware units (or 2 for PK-5, 1 for 6-8, 1 for 9-12) LEA LRPT Correlates: I01, I05, TL09	State: Revised Status: In Progress	2009-2011	Human Resources & Technology Director	Response time for service calls & number of work orders
1.6.2:	Deploy anti-virus software and maintain licenses at all campuses LEA LRPT Correlates: I01, I05	State: Revised Status: Planned	2009-2011	Technology Director & Principals	User response
1.6.3:	Update and deploy desktop security software LEA LRPT Correlates: I01, I05	State: Revised Status: In	2009-2011	Technology Director & Principals	Reduction in technician service calls to "fix" software

		Progress			
1.6.4:	Deploy hardware tracking and recovery software on all newly purchased laptop computers  LEA LRPT Correlates: I01, I04, I07, I09	State: Revised  Status: In Progress	2009-2011	Technology Director	Software installed, asset report from tracking site
1.6.5:	Provide tools for online technical support including remote desktop assistance and help desk information  LEA LRPT Correlates: I01, I05, I07	State: Revised  Status: In Progress	2009-2011	Technology Director	Log of help desk remote sessions and online requests
1.6.6:	Develop disaster and data recovery plans for critical applications including electronic student records, instructional materials, financial and personnel records, and communication systems.  LEA LRPT Correlates: LAS14	State: Revised  Status: Planned	2009-2010	Technology Director, Assistant Superintendent	Completed Plan
1.6.7:	Develop a plan for the digital archiving of paper records  LEA LRPT Correlates: LAS14	State: Revised  Status: Planned	2009-2010	Technology Director	Completed plan
1.6.8:	Maintain appliances and applications for monitoring network security  LEA LRPT Correlates: I01, I05, I07, I08, I09, LAS02, LAS11, TL09	State: Revised  Status: In Progress	2009-2011	Technology Director	Completed evaluation of network security devices

**GOAL 2: Enhance the quality of instruction by developing district-wide staff development programs based on TEKS requirements and administrative needs**

**OBJECTIVE 2.1:**

Increase educators' effectiveness in using technology for instructional programs

*Budget Amount \$152,250.00*

*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 03, 04a, 04b, 06, 07, 11, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.1.1:	Maintain 9 hours of yearly scheduled training for all teachers (to include software applications, use of interactive devices, Internet resources, data analysis, web-page development)  LEA LRPT Correlates: EP01, EP03, EP05, EP08, TL16	State: Revised  Status: In Progress	2009-2011	Technology Director, Instructional Technologist	Training sign-in-sheets & completion certificates
2.1.2:	Provide staff development trainers to support the technology staff development plan and training facility  LEA LRPT Correlates: EP01, EP02, EP03, EP08, EP09, LAS03, LAS10, TL16	State: Revised  Status: In Progress	2009 - 2011	Technology Director, Instructional Technologist	Training evaluation
2.1.3:	Deliver professional development to all instructional staff on the technology implication in the TEKS and the effective use of online resources in classroom instruction  LEA LRPT Correlates: EP01, EP04, EP05, LAS01, LAS03, LAS05, LAS10, LAS12, TL01, TL03, TL06, TL08	State: Revised  Status: In Progress	2009-2011	Principals, Instructional Technologist	Training evaluation & PDAS evaluation on technology integration
2.1.4:	Provide 6 hours of staff development training on Technology Applications TEKS to all PK-8 Teachers.  LEA LRPT Correlates: EP01, EP08, EP09, LAS03, TL01, TL03, TL05, TL06, TL14	State: Revised  Status: In Progress	2009-2011	Technology Director, Instructional Technologist	Training sign-in sheets & completion certificates
2.1.5:	Develop and deliver professional development that supports SBEC Technology Applications standards VI-XI  LEA LRPT Correlates: EP01, EP02, EP08, EP09, TL01, TL05, TL14	State: Original  Status: In Progress	2009-2011	Technology Director, CTE Director, Instructional Technologist	Training sign-in sheets & completion certificates
2.1.6:	Support teacher technology training and certifications through programs such as the Texas Computer Educators Association training programs and Intel Teach to the Future  LEA LRPT Correlates: EP01, EP03, EP04, EP05, EP06, EP08, EP09, LAS03, LAS10, LAS13, TL04, TL05, TL06, TL08, TL16	State: Revised  Status: Planned	2009-2011	Technology Director, Instructional Technologist	List of teachers participating in program

**OBJECTIVE 2.2:**

Increase productivity by providing methods for organizing resources and acquiring, evaluating and utilizing information with a variety of technologies

*Budget Amount \$10,150.00*

*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 04b, 06, 11, 12

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.2.1: Provide at least 6 hours of yearly scheduled training for all administrators and support staff (to include software applications, Internet resources, technology leadership, and applicable information systems)  LEA LRPT Correlates: LAS08, LAS10, TL08	State: Revised  Status: In Progress	2009-2011	Technology Director, Instructional Technologist, Technology Committee	Training sign-in sheets & completion certificates
2.2.2: Develop/update training guides for all critical district technology applications (Student Information System, e-mail, benchmarking application)  LEA LRPT Correlates: EP01, EP08, TL08	State: Revised  Status: In Progress	2009-2011	Technology Director, Instructional Technologist	Completed training guides provided to staff

**OBJECTIVE 2.3:**

The District's K-12 curriculum will be aligned to TEKS and implemented in the classroom

*Budget Amount \$10,150.00*

*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 03, 04a, 04b, 05, 06, 07, 11, 12

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.3.1: Provide release time for PK-5 staff to plan collaboratively for the effective utilization of technology in instruction  LEA LRPT Correlates: LAS01, LAS03, LAS05, LAS10, TL01, TL03, TL06, TL08, TL12, TL14	State: Revised  Status: In Progress	2007-2009	Technology Director, Technology Committee, Principals	Lesson plans will reflect technology used in instruction
2.3.2: Provide release time for grades 6-12 subject area teachers to plan collaboratively for the effective utilization of technology in instruction  LEA LRPT Correlates: LAS01, LAS03, LAS05, LAS10, TL01, TL03, TL06, TL08, TL12, TL14	State: Revised  Status: In Progress	2007-2009	Technology Director, Technology Committee, Principals	Lesson plans will reflect technology used in instruction

**GOAL 3: Enhance the quality of instruction by acquiring software/hardware that can be integrated into the learning environment and is compatible with current and emerging technologies.**

**OBJECTIVE 3.1:**

Ensure that software is an accessible and transparent tool for learning and teaching.

*Budget Amount \$22,330.00*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 03, 04a, 05, 06, 07, 10, 11, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
3.1.1:	Continue filtering Internet access  LEA LRPT Correlates: I01, I05, I09, LAS05, TL09, TL10, TL11, TL12	State: Revised  Status: In Progress	2009-2011	Technology Director	Renew Software License
3.1.2:	Maintain and update devices that integrate content filtering and protection against spyware and security threats  LEA LRPT Correlates: I01, I05, I09, TL09, TL10, TL11, TL12	State: Revised  Status: In Progress	2009-2011	Technology Director	Completed evaluations of network appliances
3.1.3:	Provide guidance and support when purchasing software for instructional use  LEA LRPT Correlates: LAS01, LAS02, LAS05, LAS07	State: Revised  Status: In Progress	2009-2011	Technology Director, Technology Committee	Develop evaluation document to measure software effectiveness
3.1.4:	Standardize and support software district wide to include library, productivity, and instructional programs  LEA LRPT Correlates: I05, LAS01, LAS02, LAS05, LAS07, LAS10, TL03, TL04, TL10, TL11, TL12, TL16	State: Revised  Status: In Progress	2009-2011	Technology Director, Technology Committee, Principals	Monitor the use of software purchased and its effect on instruction
3.1.5:	Grades K-2: Students use appropriate software to express ideas including word processing, graphics, and multimedia.  LEA LRPT Correlates: TL01, TL03, TL06, TL12, TL14	State: Revised  Status: In Progress	2009-2011	Teachers	Student products
3.1.6:	Students build upon K-2 to include use of databases, spreadsheets, and simulations  LEA LRPT Correlates: TL01, TL03, TL06, TL12, TL14	State: Revised  Status: In Progress	2009-2011	Teachers	Student products
3.1.7:	Students integrate two or more productivity tools into a document including tables, charts, and mail merge  LEA LRPT Correlates: TL01, TL03, TL06, TL12, TL14	State: Revised  Status: In Progress	2009-2011	Teachers	Classroom / campus computers and current / emerging software
3.1.8:	Students continue learning basic computer science skills and also acquire web skills, apply	State: Revised	2009-2011	Teachers	Student products

	desktop publishing elements to classroom products, and are exposed to multimedia and video technology  LEA LRPT Correlates: TL01, TL02, TL03, TL06, TL12, TL14	Status: In Progress			
3.1.9:	All students will use the Internet for research and information access  LEA LRPT Correlates: TL01, TL03, TL06, TL10, TL11, TL12, TL14	State: Revised  Status: In Progress	2009-2011	Teachers & Librarians	Student products
3.1.10:	Support district sponsored adult literacy programs  LEA LRPT Correlates: LAS09, TL15	State: Revised  Status: In Progress	2009-2011	Technology Director	Use of district computer labs and software resources such as Rosetta Stone software in adult literacy programs
<b>OBJECTIVE 3.2:</b>					
Provides staff with software technology tools that allow them to efficiently and effectively accomplish tasks					
<i>Budget Amount \$91,350.00</i>					
<i>LRPT category: Leadership, Administration and Support</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 01, 02, 03, 04a, 05, 06, 11, 12					
<b>Strategies</b>		<b>State/Status:</b>	<b>Timeline:</b>	<b>Person(s) Responsible:</b>	<b>Evidence:</b>
3.2.1:	Support the use of NerDeveloper software to aid in curriculum management  LEA LRPT Correlates: LAS01, LAS08, LAS10, TL06, TL07, TL08, TL16	State: Revised  Status: In Progress	2009-2011	Technology Committee, Principals	Development of units and lessons
3.2.2:	Continue deploying attendance and gradebook software to all CISD teachers  LEA LRPT Correlates: LAS08, TL04	State: Revised  Status: In Progress	2009-2011	Technology Director, Principals, Technology Department	Attendance reports and report cards created using Teacher Access Center and eSchoolPlus
3.2.3:	Continue using administrative software that provides online conferencing, calendar, & project scheduling  LEA LRPT Correlates: I01, I08, TL08, TL16	State: Revised  Status: In Progress	2009-2011	Technology Director	Renew Software License
3.2.4:	Continue using district wide e-mail system to support intra-district capabilities  LEA LRPT Correlates: I01, I08	State: Revised  Status: In Progress	2009-2011	Technology Director	Renew Software License
3.2.5:	Establish guidelines for standardizing purchase of productivity software (i.e., MS Office)  LEA LRPT Correlates: LAS01, LAS02, LAS07	State: Revised  Status: In Progress	2009-2011	Technology Director	Documentation of Standards
3.2.6:	Support the use of Achievement Series for benchmark testing, data analysis, and curriculum planning	State: Revised  Status:	2009-2011	Technology Director, Principals	Use of program by students, teachers and administrators

	LEA LRPT Correlates: EP03, LAS08, LAS10, TL07	Planned			
3.2.7:	Support the use of software for performance data analysis and disaggregation  LEA LRPT Correlates: EP03, I09, LAS02, LAS05, LAS08, TL07, TL08	State: Original  Status: Planned	2009-2011	Technology Director, District Testing Coordinator	Reports generated using data analysis software
3.2.8:	Support the development of online classroom extensions including teacher web pages, Moodle, and podcasting  LEA LRPT Correlates: EP03, EP05, I01, I03, I05, I08, I09, LAS09, LAS10, LAS15, TL08, TL09, TL12, TL13, TL15, TL16	State: Original  Status: Planned	2009-2011	Instructional Technologist	Posting of teacher web pages, podcasts, and online moodle resources

<b>GOAL 4: Utilize technology to provide parents and community expanded access to district technology and school resources</b>					
<b>OBJECTIVE 4.1:</b>					
Develop methods for community to gain access to CISD information resources					
<i>Budget Amount \$27,000.00</i>					
<i>LRPT category: Leadership, Administration and Support</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 06, 09, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.1.1:	Maintain interactive access to district information on the CISD web site  LEA LRPT Correlates: I01, I03, I05, I08, LAS09, TL15, TL16	State: Revised  Status: In Progress	2009-2011	District Webmaster, Student Services Office	Updated website
4.1.2:	Maintain district newsletter to parents / community  LEA LRPT Correlates: LAS09, TL15	State: Revised  Status: In Progress	2009-2011	District Webmaster, Student Services Office	Publication distribution
4.1.3:	Maintain support for providing parents secure electronic access to student information, grades, attendance, discipline.  LEA LRPT Correlates: I01, I08, LAS11	State: Revised  Status: In Progress	2009-2011	Technology Director	Parents signed up for and using system
<b>OBJECTIVE 4.2:</b>					
Maintain community support through public awareness, shared information, and collaborative planning and education					
<i>Budget Amount \$0.00</i>					
<i>LRPT category: Leadership, Administration and Support</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 09, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.2.1:	Utilize campus web pages to publish school-related information and student work  LEA LRPT Correlates: I01, I08, LAS09, TL15, TL16	State: Revised  Status: In Progress	2009-2011	District Webmaster, Student Services Office	Updated website
4.2.2:	Develop partnerships with local companies and technology related companies  LEA LRPT Correlates: I02, LAS13	State: Revised  Status: In Progress	2009-2011	Technology Director, Technology Committee	Number of partnerships
<b>OBJECTIVE 4.3:</b>					
Pursue funding for technology initiatives from federal, state, and private entities					
<i>Budget Amount \$0.00</i>					
<i>LRPT category: Leadership, Administration and Support</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 03, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.3.1:	Continue applying for discounts from SLD (E-rate)	State: Revised	2009-	Technology Director,	Success in obtaining

	LEA LRPT Correlates: I02, LAS02, LAS04	Status: In Progress	2011	Technology Committee	funds
4.3.2:	Continue to utilize grants and contribution from companies and individuals	State: Revised	2009-2011	Technology Director, Technology Committee	Success in obtaining funds
	LEA LRPT Correlates: I02, LAS07, LAS13	Status: Planned			

## Budget

Total amount of Title II, Part D formula funds received for the current year of this plan: \$15,000.00

Method of application for formula funds: Local Application

<b>Budget year 2009</b>		
<b>Budget item</b>	<b>Cost</b>	<b>Funding Sources with amount per source</b>
Staff Development	\$85,000.00	Title II D (15,000) Local (73,000)
Telecommunications & Internet Access	\$59,300.00	Local (59,300)
Materials & Supplies	\$56,000.00	Local (56,000)
Equipment	\$395,000.00	Local (240,000) Tech Allotment (155,000)
Maintenance	\$180,000.00	Local (180,000)
Miscellaneous Expenses	\$0.00	Local (0)
<b>Total</b>	<b>\$775,300.00</b>	

<b>Budget year 2010</b>		
<b>Budget item</b>	<b>Cost</b>	<b>Funding Sources with amount per source</b>
Staff Development	\$87,550.00	Title IId (15,550) Local (72,000)
Telecommunications & Internet Access	\$61,080.00	Local (61,080)
Materials & Supplies	\$57,680.00	Local (57,680)
Equipment	\$406,850.00	Tech Allotment (160,000) Local (246,850)
Maintenance	\$185,400.00	Local (185,400)
Miscellaneous Expenses	\$0.00	Local (0)
<b>Total</b>	<b>\$798,560.00</b>	

# Evaluation

**Evaluation Process:**

Evaluation of the Technology Plan will be a systematic ongoing process. All aspects of the Plan will be evaluated formally two times each year. The Technology Plan Committee will be responsible for the ongoing evaluation of this plan. The intention of the evaluation will be to make decisions on the impact that technology has on the learning process for all students. A report will be given to the Superintendent and the Board of Trustees after each formal evaluation occurs. Channelview's STaR Chart results for each campus will be used to help Channelview ISD assess its progress toward meeting the goals of the Long Range Plan for Technology.

**Evaluation Method:**

- Surveys of the staff conducted once yearly in regards to their use of technology in the classroom
- Informal interviews conducted once a year by the campus Technology Plan Committee representative
- Records of staff member participation in technology training monitored by sign-in sheets and teacher professional development records.
- Integration of training into the classroom as measured by lesson plans and number and type of technology and distance learning projects.
- Monitoring and documentation of community access to technology resources and information on the campuses and on the web site.
- Monitoring and documentation of community involvement
- Yearly inventory of hardware and software
- Support and maintenance of technology as documented by technical support records

## Appendix

**Attachment item A:**

District infrastructure plan

- PDF file:  [http://www.channelview.isd.esc4.net/techPlan/cvisd\\_infrastructure.pdf](http://www.channelview.isd.esc4.net/techPlan/cvisd_infrastructure.pdf)
- 

CHANNELVIEW 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.