

GALVESTON ISD Technology Plan

2005 - 2008

LYNNE CLEVELAND

SUPERINTENDENT

DISTRICT PROFILE

ESC Region	4
City, State Zip	GALVESTON, TX 77553
Phone	(409) 766-5100
Fax	(409) 766-5106
County District Number	084902

Number of Campuses	12
Total Student Enrollment	9011
District Size	5,000 - 9,999
Percent Econ. Disadvantaged	66.65%

Technology Expenditures	\$4,402,400.00	
Technology budgets reported in plan by category	Teaching and Learning Budget	\$208,800.00
	Educator Preparation and Development Budget	\$204,800.00
	Leadership, Administration and Support Budget	\$606,000.00
	Infrastructure for Technology Budget	\$3,382,800.00
	Total:	\$4,402,400.00
Technology Expenditure Per Pupil	\$488.56	
Number of Campuses with Direct Connection to Internet	12	
Percentage of Campuses with Direct Connection to Internet	100.00%	

Number of Classrooms with Direct Connection to Internet	523
Percentage of Classrooms with Direct Connection to Internet	100.00%
Computer/Student Ratio	3 student(s) for every computer
Computer/Teacher Ratio	1 teacher(s) for every computer
Number of campuses that need to complete the Texas Campus STaR Chart	13
Percentage of campuses that have completed the Texas Campus STaR Chart	100.00 %

Plan Introduction

Plan Last Edited 06/29/2007

Plan status: approved

Years Included in the Plan: 2005 - 2008

Number of years covered by the plan: 3

Years Approved for the Plan: 2005 - 2008

Number of approved years: 3

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

Updates were made to Executive Summary and the planning committee list to reflect the current status in the District. Various strategies were revised to update to current District status.

Technology Planning Committee

Title First Last Affiliation
 Ms. B. J. Herz Community
 Mr. David Schuler Parent
 Ms. Belinda Wallace Parent
 Mr. John Kirwin Parent / IT Professional
 Ms. Theresa Pistone IT/Curriculum
 Mr. John Kovacevich Community / IT Professional
 Mr. Anthony Griffin Community
 Mr. Tarris Woods Community
 Mr. Mike Healy Parent / IT Profesional
 Mr. Lawrence Rhew IT Professional
 Ms. Christine Hopkins Admin
 Ms. Kathy Tiernan Community / Healthcare Prof.
 Mr. Jason Kuhn, Community
 Mr. George Black Community
 Dr. Annette Scott Admin/Curriculum
 Plus all GISD Principals

Executive Summary

Executive Summary

2006-2007 included having several studies completed to improve the infrastructure: active directory, network analysis, and security assessment. Results showed that security improvements needed to be made. Results also showed that a complete network switch reconfiguration was needed to maximize the potential of our leased gigaman fiber to the campuses. This work will be completed in the summer of 2007.

Also, GISD selected a new electronic data system for Student and Finance Data. The Student system will be converted in the summer of 2007, with the Finance system coming on line in January of 2008.

Additionally, the District has established two new instructional technology specialist positions to assist the current instructional technology coordinator. This will enable an appropriate level of support for the integration of technology into the classroom.

The District also had a state data audit performed and found that procedural improvements were needed to maximize the funding currently being received from the state. Based on this audit, the District has added a new position to administer the student data processes, in Texas, known as PEIMS (Public Education Information Management System) . The new position is Director of PEIMS.

During the 2003-2004 school year, Galveston ISD held monthly meetings with staff and community members, conducted surveys, developed a strategic plan in preparation for a Bond Election, and then passed a Bond Election containing a proposition for funds to be used for the purposes of placing technology in our schools. The Strategic Planning Committee and all campus principals then became the architects, under the leadership of the Superintendent, in formulating a plan for using the bond funds. This plan represents the combination of the previously developed 5 year technology plan and the addition of the technology to be supported by the bond funds. During the 2004-2005 year, we have created a Technology Steering Committee to help guide and facilitate the implementation of the district and campus plans to ensure equity and success for every campus. Additionally, GISD is more aggressively seeking subsidy funding for technology initiatives from the SLC e-rate program which if funded will assist in attaining long range technology goals.

Network Infrastructure:

All Galveston ISD locations are connected to the GISD Wide Area Network (WAN) which allows for interconnectivity and also access to the Internet. The network infrastructure at each campus was designed to provide fair and equitable access to the WAN resources. All of Galveston ISD campuses are connected to the central computer center. Additionally, a network drop has been installed in all classrooms at every campus in GISD.

The T-1 technology which interconnected the WAN had become a bottleneck for communications. GISD, with the assistance of the FCC established Schools and Libraries Corporation, has been able to upgrade all but one campus connection via SBC Gigaman the GISD WAN and Internet connection has been more that doubled now to 30 Mb using an E-Rate funding subsidy.

Campus Hardware

Each campus has a file server containing folders for employee files and shared software assets. Campuses have MS Exchange (e-mail) running locally on the same server. As stated earlier, there is a network drop in every classroom in GISD and at minimum one "Pentium class" or better computer. In most cases, one PC in the classroom is used by the teacher and it is not viewed as a "student use" PC.

Every campus has a Follett automated library system for their library and at least one PC Lab, although some of these labs are not available for all students to use, and some are older less capable equipment.

One important initiative underway at this time is the establishment of a committee made up of campus level decision-makers and Central Office to choose curricular software intended to promote consistency among the campuses. This technology plan includes formation of a district task force to recommend instructional software and implementation of technology curriculum initiatives.

Bond Proposal

The bond funds for technology have been targeted for the following:

- > Each Primary (K-5) classroom will have six pcs and a networked printer.
- > Each Secondary campus will have several mobile carts with wireless laptops.
- > Each classroom will have an LCD projector connected to the teacher's PC.

Teachers will receive IT training and will be required to pass a proficiency test in order to receive their equipment or have access to mobile laptop labs.

Needs Assessment

Assessment Process:

This plan builds upon the five year tech plan that was updated (2003-2004) and therefore recognition should be given to all the campus technology teams that contributed to that planning effort. This update incorporates technology needs that were gathered and communicated via:

- > Strategic Planning - IT / MIS subcommittee comprised of parents, businesses, administrators, IT professionals, school district employees.
- > Survey Data : Parents, teachers, administrators, and students were included in surveys given in 2003-2004 specifically for the target audiences covering numerous areas including technology and computer use. This data helped shape direction for the 2004-2005 implementation.
- > Superintendent Administrative Staff meetings and discussions on Technology and the incorporation of the use of technology into curriculum and the classroom setting.

Existing Conditions:

Network Infrastructure:

All Galveston ISD locations are connected to the GISD Wide Area Network (WAN) which allows for interconnectivity and also access to the Internet. The network infrastructure at each campus was designed to provide fair and equitable access to the WAN resources. All of Galveston ISD campuses are connected to the central computer center. Additionally, a network drop has been installed in all classrooms at every campus in GISD.

The T-1 technology which interconnected the WAN had become a bottleneck for communications. GISD, with the assistance of the FCC established Schools and Libraries Corporation, has been able to upgrade all but one campus connection via SBC Gigaman the GISD WAN and Internet connection has been more than doubled now to 30 Mb using an E-Rate funding subsidy.

Campus Hardware

Each campus has a file server containing folders for employee files and shared software assets. Campuses have MS Exchange (e-mail) running locally on the same server. As stated earlier, there is a network drop in every classroom in GISD and at minimum one "Pentium class" or better computer. In most cases, one PC in the classroom is used by the teacher and it is not viewed as a "student use" PC.

Every campus has a Follett automated library system for their library and at least one PC Lab, although some of these labs are not available for all students to use, and some are older less capable equipment.

One important initiative underway at this time is the establishment of a committee made up of campus level decision-makers and Central Office to choose curricular software intended to promote consistency among

the campuses. This technology plan includes formation of a Technology Steering Committee to recommend instructional software and implementation of technology curriculum initiatives.

Bond Proposal

The bond funds for technology have been targeted for the following:

- > Each Primary (K-5) classroom will have six pcs and a networked printer.
- > Each Secondary campus will have several mobile carts with wireless laptops
- > Each classroom will have an LCD projector connected to the teachers PC

Teachers will receive IT training and will be required to pass a proficiency test in order to receive their equipment or have access to mobile laptop labs.

PC Equipment at Campuses:

Definitions used in the following table are:

- Number of Students – Current enrollment on date given
- Student Use PCs – These are PCs that the students can access in classrooms, labs, or in the libraries

LOCATION	# students	Student PCs	Student/PC Ratio
Ball High	2342	489	4.8
Austin	516	113	4.6
Central	678	76	8.9
Weis	771	96	8.0
Alamo	412	57	7.2
Bolivar (K-8)	186	37	5.0
Burnet	624	66	9.5
Morgan	516	57	9.1
Scott	602	75	8.0
Oppe	656	58	11.3
Parker	632	79	8.0
Rosenberg	392	66	5.9
San Jacinto	443	66	6.7
Galveston ACAD	56	25	2.2
Other Locations	90	-	-
Totals	8916	1360	6.6

Funding Sources & Technology Purchasing Decisions

Campus technology committees & the campus Principal provide valuable input into decisions as to how spend campus technology funds. At some campuses the bulk of the school's funds have been dedicated to buying PCs. Depending on the funding source, there are sometimes restrictions on how funds can be spent. The following is a brief overview of funding sources and restrictions on technology expenditures:

1. State Technology Funds – These are funds provided by the state based upon the number of students in GISD. Guidelines for these funds are dictated by TEA. The over-riding restriction is that these funds must be spent on instructional related expenses (e.g. no administrative support related equipment)
2. Grant Funds – Funds obtained from grants are restricted by the particular granting agency. Funds used for matching requirements may also be restricted by the guidelines for the grant.
3. Federal Program or State Program Funds - Funds obtained from either type of program may have restrictions and guidelines allowable use of funds.
4. State & Local Funds (TaxPayer Generated) – Fewest restrictions on the types of technology purchases allowable using these funds. Increasing the amount of these funds for technology has been difficult. Competition with other GISD needs and overall reduction in funding caused by declining student population has restricted availability.
5. Bond Funds - A bond referendum could provide funds for technology in GISD classrooms. These funds

would be used for expenditures limited to those areas indicated in the bond referendum proposal. A successful bond initiative was passed on December 13, 2003 which will provide funds for increasing technology in GISD schools.

6. Campus fund raisers & Benefactors – Least amount of restrictions.

Software Developments:

Three years ago, GISD implemented software for “on-line” attendance and grade book Ball High School. With the success of this pilot, we have expanded the use of this software to middle and elementary schools 2004-2005. Campus technicians provided staff development for teachers and staff. The Director for Management Information Systems and the Assistant Superintendent for Administration monitor campus implementations.

There are several additional software initiatives in progress to increase operational productivity in our Business Office and also in the Human Resources department. Also, GISD has implemented a software-assisted program for at risk students to recapture credits and graduate from high school.

Technology Support:

GISD has in place a campus technologist program at all campuses (Ball High School has a full time technology support person). During 2004-2005 middle and elementary schools shared campus technologists. The responsibility of the campus technologist is to maintain and support the availability of campus hardware. In addition, they provide staff development on productivity tools associated with the office suite products. Bolivar and Austin MS which are being remodeled as part of the Bond Election Proposition I will be assigned a tech at the completion of the construction activity.

In order to assist with a smooth classroom integration transition for teachers during the 2004-2005 school year, two instructional technology coordinators became responsible for developing staff development for campuses. Content specialists provided support and helped with this initiative so that we had a grassroots effort among the district's campuses.

Future challenges include securing funding for full time campus technology support positions for all campuses, both as tech support and as instructional staff development support.

Technology Needs:

The Following were the recommendations which were the result of the the planning effort.

- > Require a commitment from Administrators to embrace technology and require all employees to follow the Adminstrators leadership in the use of technology.
- > Demonstraated commitment to use School District funding resources that are necessary for technology support and technology related staff development by the allocation of budget from local funds.
- >Adopt technology goals to exceed standards recommended by the State of Texas Long-Range Plan.
- >Ensure student success by creating initiatives supporting the adoption of technology in schools, home and community.

Goals, Objectives, and Strategies

GOAL 1: Promote student academic achievement through the integration of technology

OBJECTIVE 1.1: Within five years, student academic performance will increase to meet the district performance goals in all areas across the curriculum through the use of technology.

Budget Amount \$203,800.00
LRPT category: Teaching and Learning

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 03, 04a, 04b, 05, 06, 07, 08, 09, 10, 11, 12

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.1.1:	Establish a district-wide Instructional Technology Committee to develop targeted goals in addressing student achievement LEA LRPT Correlates:	State: Original Status: In Progress	Established Fall 2003 (2003-2004 school year) to continue for the duration of this project plan through 2005 through 2008	IT Staff, Content Area Spec., Campus IT Assistant, Parents, Community Reps	Committee in place and goals established
1.1.2:	Develop and implement strategies for integrating Technology Applications TEKS into all content areas (K-12) LEA LRPT Correlates:	State: Original Status: In Progress	Initiated Fall 2004. Continue implementation 2005 through 2008	Instructional technology coordinators, principals, teachers	Curriculum Guides site activities using technology lesson plans reflect TEKS; Statistics from Easy Tech, our state adopted tech apps curriculum.
1.1.3:	Continue to use data from ADM and TIA to diagnose and modify instruction for students LEA LRPT Correlates:	State: Revised Status: In Progress	Fall 2004 through 2008	Principals & Teachers	Students in need of assistance are being targeted for assistance; TAKS scores
1.1.4:	Evaluate the implemenion an on-line curriculum for all core areas LEA LRPT Correlates:	State: Revised Status: Planned	Initiated Fall 2004, expanded spring 2005 through 2008	Instructional technology coordinators, academic coordinators, principals, teachers	On-line curriculum in place via Intranet system
1.1.5:	Utilize integration program and on-line activities for Secondary Students LEA LRPT Correlates:	State: Original Status: Planned	Fall 2004 through 2007	Teachers	Lesson Plans contining activities using TechWorks (K-5) Computer Activity Cards & Internet
1.1.6:	Utilize integration program and on-line activities for content area concepts (K-5) LEA LRPT Correlates:	State: Original Status: In Progress	Initiated Fall 2004; expanded spring 2005 through 2008	Teachers	Lesson Plans contain use of on-line activities Easy Tech statistics
1.1.7:	Implement program for all 2nd graders utilizing computers 5:1 and on-line software for reading and math (Lightspan) Comments: Renewal of Program not funded for updates, but use	State: Original Status: Completed	Initiated 2004; continued 2005 through 2007	IT Staff, PreTAKS Trainer, Principal, 2nd Gr Teachers	Hardware purchased, Reading & Math assessments for 2nd-3rd grades

	continues on campuses. LEA LRPT Correlates:				
1.1.8:	Investigate replacing tech application courses at 6-8 with content area integration of Tech App TEKS LEA LRPT Correlates:	State: Original Status: Planned	Fall 2005 through 2008	Instructional Technology Coordinators, designated teachers & Principals	Integration of Tech Appl into curriculum and TEKS completed
1.1.9:	Evaluate courses delivered via Texas Virtual Schools for regular and/or recovery credits for high school students LEA LRPT Correlates:	State: Original Status: Planned	Initiated Fall 2004; expanded spring 2005 through 2008	Principals and Department Chairmen	Listing of Course GISD will offer via Texas Virtual Schools
1.1.10:	Align newly created Accelerated High School's curriculum using content area software modules Comments: this program initiated during Summer 2003 is called the Accelerated Instructional Model (AIM) it will be referred to later in this plan. LEA LRPT Correlates:	State: Original Status: In Progress	Initiated Fall 2004; continued 2005 through 2008	Exec. Dir. C&I, IT Coordinator & H.S. Principal	Plato Software purchased, Student PCs installed, Students successfully completing course credits, Students completing Graduation Requirements
1.1.11:	Utilize Distance Learning opportunities available to effectively use Ball HS Video Conferencing Lab LEA LRPT Correlates:	State: Original Status: Planned	Initiated Fall 2004; continued Spring 2005 through 2008	Executive Director for C & I, Ball HS Principal, IT Staff, BHS Tech Support and BHS Librarian	Distance Learning Class(es) scheduled
1.1.12:	Utilize technology to provide learning opportunities that students would not otherwise experience LEA LRPT Correlates:	State: Original Status: In Progress	Initiate Fall 2004; expand spring 2005 through 2008	Teachers, Principals and IT Staff	Internet Virtual Trips, Lab Experiments, other uses of Technology included in Teacher Lesson Plans
1.1.13:	Increase usage of electronic video library, United Streaming and PBS Chalkwaves, to address content area instruction and assessment	State: Revised Status: In Progress	Initiate Fall 2004; continue Spring 2005 through 2008	Teachers, Principals, IT Staff	Electronic usage log, Increase of Student on-line assessments in grade books, Lesson Plans site usage

	LEA LRPT Correlates:				
1.1.14:	<p>Support Adult Secondary Education for those seeking a high school diploma. GISD's AIM program includes a learning opportunity for 18-22 year old adults focusing on obtaining a GED · We counsel older adults and facilitate their enrolling in a GED program at Galv. College or College of the Mainland · We counsel with older adults who need only one course for graduation, facilitating their completing coursework to gain a diploma</p> <p>Comments: This is a very exciting program. We have already accumulated some successes!</p> <p>LEA LRPT Correlates:</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Initiate 2004; continue 2005 through 2008</p>	<p>AIM Administrators, Teachers, GISD Testing / Student Assessment</p>	<p>Students enrolling and completion of credits required for graduation with a high school diploma, enrollment in the junior college and completion of a GED</p>

OBJECTIVE 1.2: Within five years, all students will become proficient in using technology-related resources throughout the curriculum to enhance their performance on mandated state and local content area assessments.

Budget Amount \$5,000.00
LRPT category: Teaching and Learning

E-Rate Correlates: ER01, ER02
NCLB Correlates: 01, 02, 03, 04a, 04b, 05, 07, 12

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.2.1:	<p>Create and implement standards to address student technology skill competencies consistent with level indicators in the Technology Application TEKS</p> <p>LEA LRPT Correlates:</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2003-2005</p>	<p>Instructional Technology (IT) Staff, Curriculum Dept / Academic Coordinators and Principals</p>	<p>Standards created and Student checklist prepared</p>
1.2.2:	<p>Implement mandatory K-5 technology integration program to teach basic computer skills</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>Initiated Fall 2004; continued Spring 2005 - 2008</p>	<p>IT Staff, Campus IT Asst, Teachers</p>	<p>Campus Plans developed & Lesson Plans contain technology integration</p>

	LEA LRPT Correlates:				
1.2.3:	Provide students instruction by integrating technology skill applications into our present curriculum LEA LRPT Correlates:	State: Original Status: In Progress	Initiate Fall 2004; continue 2005 through 2008	Instructional technology coordinators, Academic Coordinators & School District Technology Steering Committee, Principals, Teachers	Computer Activities listed in lesson plan. Also, increased student computer usage
1.2.4:	Establish district keyboarding standards to prepare students for technology related assignments in content area classes LEA LRPT Correlates:	State: Original Status: In Progress	Fall 2005 & Ongoing	Curriculum & Instruction (C & I), Principals, IT Staff	Standards in place, Campus Plans, Lesson Plans
1.2.5:	Amend graduation requirements to include completion of at least one on-line course LEA LRPT Correlates:	State: Original Status: Planned	Begin Fall 2006	C & I, H.S. Principal, Counselors	Listed as graduation requirement in course catalog
<p>OBJECTIVE 1.3: Within five years, educator's ability to integrate technology into their instruction process will increase to the level of progress "Target Tech" as indicated on the Texas StaR Chart.</p> <p><i>Budget Amount \$100,000.00</i> <i>LRPT category: Educator Preparation and Development</i></p> <p>E-Rate Correlates: ER01, ER02 NCLB Correlates: 01, 02, 04a, 04b, 07, 08, 11, 12</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.3.1:	Increase awareness and accountability regarding Technology Applications TEKS to all administrators, teacher and students LEA LRPT Correlates:	State: Original Status: In Progress	Begin Fall 2004; continue 2005 through 2008	C & I, IT Staff, Campus Administrators, Teachers	Staff Development completed, Lesson plans site specific TEKS items.
1.3.2:	Create a software review committee to recommend software programs that align with content area TEKS and promote higher level thinking skills LEA LRPT Correlates:	State: Original Status: In Progress	Begin Spring 2005 through 2008	Instructional Technology Coordinators, Campus IT Assts, Content Area Coordinators	Committee in place and meeting regularly

1.3.3:	Compile standardize listing of approved instructional software which will be supported for use in the instructional setting. LEA LRPT Correlates:	State: Original Status: In Progress	Initiated Spring 2004, refined Spring 2005 and continued - 2008	Technology Steering Committee & Software Review Committee	Committee recommendations & software listings published
1.3.4:	Develop an Instructional Technology website that offers resources/links to assist teachers in planning their lessons LEA LRPT Correlates:	State: Original Status: In Progress	Initiated 2004, refined Spring 2005 - 2008	IS Staff, IT Staff, Public Relations Officer (Manages GISD Web Site)	Site (or other similar resource) in place
1.3.5:	Provide teachers with equipment & training that is vital to their instructional delivery LEA LRPT Correlates:	State: Original Status: In Progress	Initiated Fall 2004, continued 2005 through 2008	Budget Officer, Principals, IT Staff	Equipment and training received or in place. Observation of effective use in the Instructional process.
1.3.6:	Continue training teachers in technology integration methods related specifically to their content area. (PS10 Grant Initiatives) LEA LRPT Correlates:	State: Original Status: In Progress	2005 through 2008	IT Staff, Principals, Campus IT Assistants	Training delivered to Teachers and demonstrated use of training.
1.3.7:	Expand Campus IT Assistant program to provide assistance to teachers in technology integration by devoting 2 days per month for mentoring/modeling LEA LRPT Correlates:	State: Original Status: In Progress	2005 through 2008	Campus IT Staff, Instructional Technology Coordinators Principal, Academic Coordinators	IT Assistant Activity Logs, Increase in student technology usage, Teacher Lesson Plans include greater use of technology
1.3.8:	Hire a trainer to facilitate the Pre-TAKS program – Elementary through 2nd Grades LEA LRPT Correlates:	State: Original Status: In Progress	2005 through 2008	Superintendent, Budget Officer, Exec. Dir IS, Exec. Dir C&I, IT Coordinator	Trainer Hired, teachers trained
1.3.9:	Send 2 teachers per elem campus to receive training and obtain certification as a Master Technology Teacher in order to serve Campus Tech Mentors LEA LRPT Correlates:	State: Original Status: Completed	2005 through 2008	IT Coordinator, Principals	Pilot Program evaluation, Administrators certified as Master Technology Teacher
1.3.10:	Send 1 administrator per	State:	2005 through	IT Coordinator,	Pilot Program

campus to attend Technology Leadership Academy LEA LRPT Correlates:	Original Status: Completed	2008	Campus Administrator	evaluation, Administrators certified at Technology Leadership Academy
--	--------------------------------------	------	-------------------------	--

GOAL 2: Expand district wide staff development programs to ensure the effective use of technology resources, while emphasizing instructional programs.

OBJECTIVE 2.1: To increase effectiveness of educators in using technology in the classroom.

Budget Amount \$99,800.00

LRPT category: Educator Preparation and Development

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 03, 04a, 04b, 07, 08, 09, 12

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.1.1:	Develop and implement a technology staff development plan for instructional staff emphasizing TEKS and Technology Applications within the curriculum LEA LRPT Correlates:	State: Original Status: Planned	Initiated 2004, continued 2005 through 2008	IS / Training Specialist / Instructional Technology Coordinator	Training Schedule / Lesson Plans (developed by teachers) which include TEKS
2.1.2:	Train elementary teachers on basic skills & technology integration LEA LRPT Correlates:	State: Revised Status: In Progress	2005 through 2008	IT Coord. / IT Specialists	Training Schedule/ Survey of Skills
2.1.3:	Use SBEC technology application standards to set proficiency levels for all teachers. Comments: Expand Proficiencies LEA LRPT Correlates:	State: Original Status: In Progress	Initiated 2004, continued through 2008	IT Coordinator; IT Specialists	Assessment Tools, Proficiency Levels, Proficiency demonstrated.
2.1.4:	Acquire materials for use in staff development LEA LRPT Correlates:	State: Original Status: Planned	Initiated Fall 2004, continued through 2008	Training Specialist, IT Coordinator	Material acquired

2.1.5:	Utilize campus designated teachers to implement the train the trainer model. Comments: Designated teachers will train teachers on new gradebook in August of 2007 and will have a group of 15 designated teachers to mentor/assist throughout the 07-08 school year. LEA LRPT Correlates:	State: Original Status: In Progress	Initiated Fall 2004, continue through 2008	IT Staff, Campus IT Assistants	Campus Training Schedules
2.1.6:	Participate in the Tech Mentoring Program offered through ESC IV LEA LRPT Correlates:	State: Original Status: Planned	Initiate 2004, continue through 2008	IT Coordinator, Training Specialist, Campus Representatives	Master Technology Certifications
2.1.7:	Provide training for each Campus staff on Electronic grade book. Comments: New gradebook will require training again in August 07. LEA LRPT Correlates:	State: Revised Status: In Progress	2004 through 2008 - 2006-2007 District used web Gradequick. In 2007-2008, District will use Skyward	IS / IT Coord. / Training Specialist/ Campus Technologist(s) / Jackson Software representatives	Successful usage of electronic grade books and online attendance software by Teachers
2.1.8:	Provide training on Ball HS video conferencing and integration into classroom delivery LEA LRPT Correlates:	State: Original Status: Planned	Initiate 2004, continue through 2008	IS/ IT Coord. / Training Specialist / Vendor / Campus Technologists	Increase in usage – Scheduling log
2.1.9:	Participate in online staff development program. LEA LRPT Correlates:	State: Original Status: Planned	STAR grant applied for June 2007	IT Coordinator / IS Training Specialist	Teacher Competecies & Demonstrated Proficiencies with Teating & Evaluations beginning Spring 2004
2.1.10:	Provide training to educators in the use of video streaming-	State: Original	Initiated 2004, continue 2005 through 2008	C & I, Academic Coordinators, IT Staff, Campus IT	Training Schedule and Use of DC in Classrooms / Lesson

	via Digital Curriculum LEA LRPT Correlates:	Status: In Progress		Assistants	Plans
<p>OBJECTIVE 2.2: Increase accountability and productivity of all district employees through the effective use of technology</p> <p><i>Budget Amount \$5,000.00</i> <i>LRPT category: Educator Preparation and Development</i></p> <p>E-Rate Correlates: ER01, ER02 NCLB Correlates: 11, 12</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.2.1:	Continue District Instructional Staff Development program to train all district employees LEA LRPT Correlates:	State: Original Status: In Progress	Initiated 2004, continue 2005 through 2008	Training Specialist / IT Coordinator	Training Schedule and Training Sessions Held (and attendance rosters)
2.2.2:	Develop job descriptions that adequately display the technical skills required and hire employees accordingly LEA LRPT Correlates:	State: Original Status: Planned	2005 through 2008	Human Resources, IT Staff , Superintendent, Budget Officer	New Job Descriptions Assess Applicant's Skills
2.2.3:	Assess current employees technology proficiency and deliver staff development at appropriate levels LEA LRPT Correlates:	State: Original Status: Planned	Implemented 2004, continue 2005 through 2008	IS / Training Specialist	Basic Technology Skills Assessment and Proficiencies
2.2.4:	Provide consultation to administrators and committees on effective ways to implement technology to achieve their desired outcome LEA LRPT Correlates:	State: Original Status: Planned	2005 through 2008	MIS / Administrators	Written requests, requirements documented, solutions planned, implementation

GOAL 3: To improve communication by utilizing technology.

OBJECTIVE 3.1: To increase use of technology to facilitate Teacher, Student and Parent / Guardian access to information

Budget Amount \$85,000.00

LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 03, 04a, 04b, 07, 09, 12

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
<p>3.1.1: Create Student User IDs and limited user space for storing student created files. Begin with High School Students, followed by Middle School Students, and finally Elementary Students. Assignment of a student folder will coincide with migration to computer class assignments. This will provide capability to store and retrieve information.</p> <p>LEA LRPT Correlates:</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>Initiated 2004, continue 2005 through 2008. Student user file space added as required by class assignments. Increase student access at High school and implement at Middle Schools if funding permits starting Fall 2004.</p>	<p>IS, C & I Curriculum, Principals and teachers</p>	<p>Students requirements for file space & IDs accommodated.</p>
<p>3.1.2: Implement a parent portal for access to student access via the Web, to grades, missing assignments, student absences, teacher comments.</p> <p>LEA LRPT Correlates:</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Pilot web hosted portal for teacher web pages in 2006-2007 school year on 4 campuses. Expand to all campuses 07-08. Pilot on parent access to gradebook in Spring of 08.</p>	<p>Public Information Officer, MIS, Principals and Instructional Staff</p>	<p>Data entry by teaching staff, Parent / Guardian access to data</p>
<p>3.1.3: Implement Virtual Private Network (VPN) technology to allow for remote Administrator access to GISD Wide Area Network (User Folders, Applications, Etc.) to facilitate use of resources via the Internet.</p> <p>LEA LRPT Correlates:</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>Investigate technology for limited implementation during 2004-2005 School Year. If successful, plan for administrator access implementation during the 2005-2006 school year.</p>	<p>IS, Principals and Instructional Staff</p>	<p>Successful, reliable, secure remote access.</p>

OBJECTIVE 3.2: To build parental and community support through shared information and public awareness.

Budget Amount \$19,000.00
LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01, ER02
 NCLB Correlates: 03, 09, 12

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.2.1:	Utilize the GISD website to communicate interactively with parents & community LEA LRPT Correlates:	State: Original Status: In Progress	Initiate Fall 2004, continue to develop 2005-2008	Contracted web firm – GISD PIO and GISD Departments / Administrators	GISD website accesses (hits) and feedback from community
3.2.2:	Continue staff development to campus level webmasters, ensuring that every campus publishes school related information, calendars and student's work LEA LRPT Correlates:	State: Original Status: Planned	Fall 2004, Spring 2005-2008	Webmaster / Campus Webmasters	Campus websites established and updated at least monthly
3.2.3:	Utilize students, under supervision, in the update & modification of campus websites LEA LRPT Correlates:	State: Original Status: Planned	Spring 2005-2008	Teachers / Campus Adm / Webmaster	Campus web pages on-line, content containing student developed contributions

OBJECTIVE 3.3: Implement the use of Cable TV / Video on campuses and in the community to communicate information

Budget Amount \$20,000.00
LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01, ER02
 NCLB Correlates: 04b, 09, 10

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.3.1:	Continue to expand the use of the Time Warner educational cable channel to communicate with parents & community. With the signing of the new city franchise agreement, GISD has been granted a separate cable channel dedicated for Educational use.	State: Original Status: In Progress	Implement Fall 2004, continue Spring 2005-2008	PIO / All GISD Staff	Increase in participation in GISD events and increased parental involvement. Increased feed back through community forums

	LEA LRPT Correlates:				
3.3.2:	Upgrade / Install TV Monitor at all campuses with video feed from Instructional Channel in an area visible to campus visitors. LEA LRPT Correlates:	State: Original Status: Planned	Fall 2005-2007	Campus Administrators, Maintenance & Operations, Campus A/V Staff	Educational Channel available for viewing on each campus.
3.3.3:	Investigate use of Video over WAN technologies in GISD LEA LRPT Correlates:	State: Original Status: In Progress	Initiate Fall 2004, continue 2005-2008	IT Coord / MIS / PIO / Superintendent	Pilot program sending video over Wide Area Network
<p>OBJECTIVE 3.4: Implement Technology tools to improve accessibility of Intranet and E-Mail</p> <p><i>Budget Amount \$32,000.00</i> <i>LRPT category: Leadership, Administration and Support</i></p> <p>E-Rate Correlates: ER01, ER02 NCLB Correlates: 01, 12</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.4.1:	Implement technology to prohibit "SPAM" e-mail from being sent to GISD e-mail addresses LEA LRPT Correlates:	State: Original Status: In Progress	Spring 2005-2008	MIS	Reduction or elimination of "SPAM" to user accounts. Successful Rejection of "SPAM" and not business related user e-mail
3.4.2:	Update Virus Protection Software LEA LRPT Correlates:	State: Original Status: In Progress	Spring 2005-2008	MIS Department	Reduction or elimination of viruses to user accounts. Successful Rejection of viruses. Detection reporting
3.4.3:	Update Web Filtering Software LEA LRPT Correlates:	State: Original Status: In Progress	Spring 2005-2008	MIS	Reduction or elimination of ability to access objectionable Internet Sites and successful access to desired "innocent" sites
<p>OBJECTIVE 3.5: Implement a district-wide communication system using Voice over IP telephony technology</p>					

Budget Amount \$350,000.00
 LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01
 NCLB Correlates: 09

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
<p>3.5.1: Implement a district-wide communication system using Voice over IP to enhance communication between teachers, administrators, parents and community members. This system will utilize the existing high speed data network to leverage previously invested funds and result in a converged network which provides cost conservative communication, reducing some expenses and providing additional functionality, telephony features and messaging capabilities.</p> <p>Comments: The impetus for migrating to Voice over IP will allow us to place telephones in classrooms in an economical way. Teachers would also have access to voice mail which they do not currently have.</p> <p>LEA LRPT Correlates:</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>Begin implementation Fall 2007</p>	<p>John Mathis, Director of MIS</p>	<p>Operation of district-wide telephony system</p>

GOAL 4: To enhance the quality of instruction through the effective use of technology investments and infrastructure.

OBJECTIVE 4.1: On a five year continuum, staff development and maintenance will be provided for all technological resources acquired through the district technology framework.

Budget Amount \$29,000.00
 LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01, ER02
 NCLB Correlates: 01, 02, 03, 04b, 08, 11, 12

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

4.1.1:	Monitor technology department human resource requirements and identify inadequate resources to provide rationale for hiring additional technical support LEA LRPT Correlates:	State: Original Status: Planned	Fall 2004-2008	MIS Director / IS Staff / HR Department / Superintendent / Budget Officer	Technology department response time and support capabilities meet requirements
4.1.2:	Develop preventative maintenance and replacement schedules for existing technology resources LEA LRPT Correlates:	State: Original Status: Planned	Beginning Fall 2004, continue Spring 2005 through 2008	MIS Department / Budget Officer	Maintenance & Equipment Schedules developed
4.1.3:	Provide summer technology Staff Development for teachers and staff. Comments: Campus Tech Liasons not in existence in 2006 LEA LRPT Correlates:	State: Revised Status: In Progress	2006-2008	Campus Principals, Instructional Technology Coordinator, contracted Region 4 trainers	Professional development certificates
4.1.4:	Provide opportunities for continuing education to technology employees to ensure that their skills remain current LEA LRPT Correlates:	State: Original Status: Planned	Spring 2005 through 2008	IT Staff Development	CPE credits / Certification for employees
<p>OBJECTIVE 4.2: On a five year continuum, the district's wide area network will be maintained and enhanced.</p> <p><i>Budget Amount \$150,000.00</i> <i>LRPT category: Infrastructure for Technology</i></p> <p>E-Rate Correlates: ER01, ER02 NCLB Correlates: 02, 03, 04a, 04b, 08, 12</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.2.1:	Increase bandwidth to the internet and obtain E-Rate rebates on these services. LEA LRPT Correlates:	State: Original Status: In Progress	Fall 2004 through 2008	MIS, Budget Officer	Bandwidth to the internet increased.
4.2.2:	Increase bandwidth of WAN utilizing new Gigaman technology -	State: Original	Fall 2004 through 2008	MIS / Budget Officer	WAN Bandwidth increased.

	Obtain E-Rate Discount on these services LEA LRPT Correlates:	Status: In Progress			
4.2.3:	Upgrade file servers to current Server OS Comments: By keeping file server operating system current GISD will be able to utilize latest OS design efficiencies and tools. LEA LRPT Correlates:	State: Original Status: Completed	Spring 2005 through 2008	MIS / File Server Admin - Network Analysts	Servers operating on new Server OS
4.2.4:	Implement Network bandwidth management software to equalize access to network resources LEA LRPT Correlates:	State: Original Status: In Progress	Implement Fall 2004, continue Spring 2005 through 2008	MIS - File Server Admin - Network Analysts	Internet Access Bandwidth Network Management equipment & software is in place and bandwidth is being managed effectively

OBJECTIVE 4.3: On a five year continuum, the district will streamline administrative tasks utilizing technology.

Budget Amount \$100,000.00

LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01, ER02

NCLB Correlates: 12

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.3.1: Implement a time and attendance system for hourly employees. LEA LRPT Correlates:	State: Original Status: Completed	Initiated Fall 2004, continue through 2006	IS/ Transportation Department/Facilities Department/Child Nutrition Department / Business Office	Time System Implemented/ Manual time card entry obsolete
4.3.2: Implement a substitute calling system Comments: Pilot project is underway... LEA LRPT Correlates:	State: Original Status: Completed	Summer 2004 through 2005	IS/ Human Resources / Business Office	Substitute Calling System Installed and used for reporting employee absences.
4.3.3: Evaluate and implement a new student and finance electronic data system. Comments: All	State: Revised Status: In Progress	2006-2008	MIS/ All Teachers / All Campus Administrators / IT Training Staff	Use of data system by all administrators, administrative and campus staff, teachers.

	<p>teachers used GradeQuick in 2006-2007. New Skyward student system being implemented Fall 2007. New Skyward finance system being implemented Fall 2008.</p> <p>LEA LRPT Correlates:</p>				
4.3.4:	<p>Implement a Fixed Asset Tracking System (for all large district assets including PCs and peripherals).</p> <p>LEA LRPT Correlates:</p>	<p>State: Original</p> <p>Status: In Progress</p>	2004-2005 School Year	IS/ Business Office / Warehouse / All Administrators	Fixed Asset System in place and in use. Asset Inventory reporting available.
4.3.5:	<p>Explore other opportunities for "paperless office" technology.</p> <p>LEA LRPT Correlates:</p>	<p>State: Original</p> <p>Status: Planned</p>	Spring 2005 through 2008	MIS, All Administrators	District printing/paper costs reduced.
<p>OBJECTIVE 4.4: On a five year continuum, the district will upgrade all PC operating systems, office productivity, security utilities and PC hardware as required</p> <p><i>Budget Amount \$3,203,800.00</i> <i>LRPT category: Infrastructure for Technology</i></p> <p>E-Rate Correlates: ER01, ER02 NCLB Correlates: 12</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.4.1:	<p>Purchase new PCs to bring all campuses to a 3:1 Student-to-computer ratio and implement final phase of Technology Bond Program for secondary campuses</p> <p>Comments: Bond election included upgrades to facilities. PCs are scheduled to be deployed after teacher technology proficiency has been demonstrated and campus building upgrades have been completed</p>	<p>State: Revised</p> <p>Status: In Progress</p>	January 2004 through 2008	MIS / Campus Administrators / Budget Officer / Superintendent	Technology Bond Election Success PCs competitive Bid PCs purchased

	LEA LRPT Correlates:				
4.4.2:	Based upon a five year expected life, replace 20% of PCs every year LEA LRPT Correlates:	State: Original Status: Planned	Begin replacing / Displacing older PCs Fall 2004 through 2008	MIS / Budget Officer / All Administrators	Older Equipment Replacement >= 20 % per year or no PC older than 4 years and scheduled for replacement in the 5th year.

Budget

Total amount of Title II, Part D formula funds received for the current year of this plan: \$94,828.33

Method of application for formula funds: Application via a Title II, Part D shared services arrangement or cooperative

Budget year 2005		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$23,800.00	Title II PArt D 23,800
Telecommunications & Internet Access	\$188,000.00	Local Funds 56,000.00 E-rate Subsidy 132,000.00
Materials & Supplies	\$20,000.00	Local Funds 20,000
Equipment	\$3,555,000.00	Bond Funds 3,205,000 Local Funds 350,000
Maintenance	\$10,000.00	Local Funds 10,000
Miscellaneous Expenses	\$10,000.00	Local Funds 10,000
Total	\$3,806,800.00	
Budget year 2006		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$23,800.00	Title II part D 23,800
Telecommunications & Internet Access	\$188,000.00	Local Funds 56,000.00 E-rate Subsidy 132,000.00
Materials & Supplies	\$20,000.00	Local Funds 20,000
Equipment	\$36,000.00	State Tech Funds Allotment 36,000
Maintenance	\$20,000.00	Local Funds 20,000
Miscellaneous Expenses	\$10,000.00	local funds 10,000
Total	\$297,800.00	
Budget year 2007		
Budget item	Cost	Funding Sources with amount per source

Staff Development	\$23,800.00	Title II part D 23,800
Telecommunications & Internet Access	\$188,000.00	Local Funds 56,000.00 E-rate Subsidy 132,000.00
Materials & Supplies	\$20,000.00	Local Funds 20,000
Equipment	\$36,000.00	State Tech Funds Allotment 36,000
Maintenance	\$20,000.00	Local Funds 20,000
Miscellaneous Expenses	\$10,000.00	local funds 10,000
Total	\$297,800.00	

Evaluation

Evaluation Process:

Galveston ISD is currently participating in a Technology Planning & Evaluation process. At the conclusion of this activity a comprehensive overview of this plan (and any suggested modifications) will be incorporated into a schedule for the overall technology plan.

The method proposed at this time will utilize the campus Technology teams and Campus Technologist as the individuals for meeting and discussing with each principal the progress at each campus. This information will be discussed in a group forum with the Instructional Technology Coordinator and other Central Office Technology Staff members.

Progress on strategies in this plan will be monitored and documented in the Fall and again in the Spring. Strategic Planning for the coming year will be developed during the Budget cycle in the Spring and implementation strategies finalized in the Summer.

Technology plan updates will be ongoing with the major gathering of data and strategy updates occurring for the update each Spring.

The findings for status for each strategy covered in this plan will be communicated to the Campus and Department members via a "Tech Plan Update" summary developed and distributed via e-mail at the conclusion of the update initiative.

With the tremendous infusion of funds for technology that has resulted from the Bond Election, quite a number of activities are expected to be occurring simultaneously over the next 18 to 24 months. With this activity, additional opportunities to utilize technology in the instructional process are anticipated.

Evaluation Method:

Several measures have been or are in the process of being implemented to assure success and accountability:

- 1) Assessment Instrument for measuring Teacher Technology Skills and Proficiency has been developed and is being implemented. There have been two levels of teacher proficiency that are identified by the testing method.
- 2) Staff development courses designed to address Teacher Proficiency Skills needs / remediation have been developed and training is currently being delivered. Additional courses are scheduled through the Summer and are expected to continue at a high frequency throughout next school year.
- 3) Phase I teacher proficiency will qualify the teacher for access to PCs or laptops for use in the instructional process. The attainment of a Phase I proficiency certificate demonstrates that the teacher has adequate training and usable knowledge to be comfortable with leading students.
- 4) Software Standards are being developed so that there is uniformity across the district for students regardless of the campus attended. Also, student familiarity with learning programs will prepare them for tools they will be expected to use in subsequent grades.
- 5) Instructional Technology goals are being established and proficiencies will be part of the Phase II program. Teachers will have been granted access to the classroom technology with their Phase I completion and will then begin working on the next level. The number of teachers attaining the Phase II certificate will

indicate the success of this aspect of the IT program.

6) Campus Technologist positions have recently been created to support campuses this Fall. These individuals will support staff at the campus to ensure that teachers have sufficient campus-located assistance. The success of this program will be measured by viewing the User Request system statistics on total requests, timeliness of response, user satisfaction, training sessions conducted, and success in using software programs.

7) Digital Curriculum, online learning programs, assessment tools, and other technology based teaching tools have been implemented and are being expanded upon. Measures that will be used to indicate the success of these and similar programs will be structured around the following: i) for Lightspan Program - the administrative / management capability will allow for tracking of student progress and mastery; ii) for use of the digital curriculum there is also an administrative tracking tool, plus, teacher lesson plans will reflect the inclusion of the digital curriculum resources in a teacher's instruction; iii) Compass Learning and Plato Pathways both include teacher-administrator student tracking capability to measure the completion and mastery of module subjects; iv) another example is the TPRI student assessment tools. These are but a few examples. As additional tools and strategies are added, similar success measurement activities will be included for evaluation.

GALVESTON 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.