

# **Galena Park ISD Technology Plan**

**2004 - 2007**

**Dr. Mark Henry**

**Superintendent**

## DISTRICT PROFILE

**ESC Region** 4  
**City, State Zip** Houston, TX 77015  
**Phone** (832) 386-1000  
**Fax** (832) 386-1298  
**County District Number** 101910

<b>Number of Campuses</b>	21
<b>Total Student Enrollment</b>	20388
<b>District Size</b>	10,000 - 24,999
<b>Percent Econ. Disadvantaged</b>	70.10%

<b>Technology Expenditures</b>	<b>\$2,989,374.00</b>										
<b>Technology budgets reported in plan by category</b>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Teaching and Learning Budget</td> <td style="text-align: right;">\$263,218.00</td> </tr> <tr> <td style="padding-left: 20px;">Educator Preparation and Development Budget</td> <td style="text-align: right;">\$165,228.00</td> </tr> <tr> <td style="padding-left: 20px;">Administration and Support Services Budget</td> <td style="text-align: right;">\$505,106.00</td> </tr> <tr> <td style="padding-left: 20px;">Infrastructure for Technology Budget</td> <td style="text-align: right;">\$2,055,822.00</td> </tr> <tr> <td style="padding-left: 20px;"><b>Total:</b></td> <td style="text-align: right;"><b>\$2,989,374.00</b></td> </tr> </table>	Teaching and Learning Budget	\$263,218.00	Educator Preparation and Development Budget	\$165,228.00	Administration and Support Services Budget	\$505,106.00	Infrastructure for Technology Budget	\$2,055,822.00	<b>Total:</b>	<b>\$2,989,374.00</b>
Teaching and Learning Budget	\$263,218.00										
Educator Preparation and Development Budget	\$165,228.00										
Administration and Support Services Budget	\$505,106.00										
Infrastructure for Technology Budget	\$2,055,822.00										
<b>Total:</b>	<b>\$2,989,374.00</b>										
<b>Technology Expenditure Per Pupil</b>	\$146.62										
<b>Number of Campuses with Direct Connection to Internet</b>	21										
<b>Percentage of Campuses with Direct Connection to Internet</b>	100.00%										
<b>Number of Classrooms with Direct Connection to Internet</b>	850										
<b>Percentage of Classrooms with Direct Connection to Internet</b>	100.00%										
<b>Computer/Student Ratio</b>	5 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>	21										
<b>Percentage of campuses that have completed the Texas Campus STaR Chart</b>	100.00 %										

## Plan Introduction

Plan Last Edited 06/22/2005

<b>Plan status:</b>	approved
<b>Years Included in the Plan:</b>	2004 - 2007
<b>Number of years covered by the plan:</b>	3
<b>Years Approved for the Plan:</b>	2004 - 2007
<b>Number of approved years:</b>	3

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

Minor editorial changes.

### Technology Planning Committee

Orphalinda Bazan, Elementary & Middle School Principal  
Carrie Benavidez, Elementary TIS  
Charles Broadstreet, HS TIS  
Kathy Brownlee, Network Manager  
Gary Carter, HS Teacher and parent  
Randy Davis, Middle School TIS  
Paul Drexler, Middle School Principal  
Jonathan Frey, Media Specialist  
Janet Gipson, HS TIS  
Debby James, Middle School TIS  
Rick Kirk, Deputy Superintendent for Educational Services  
Dr. Jeff Lorentz, Director of Technology  
Darlene Lovinggood, Program Director Instructional Technology  
Dr. Dee Mattox-Hall, Director of Research & Evaluation  
Jackie Mullins, Elementary teacher and parent  
Grace Saenz, Elementary TIS  
Ken Wallace, HS Principal  
Sarah Wroblewski, Director of CATE  
Michelle Young, District Instructional Technology Specialist

## Executive Summary

Galena Park Independent School District's Long Range Plan for Technology is intended to include all aspects for the use of technology in GPISD for the next three years. The goals and objectives, as well as the mission and vision for technology, are aligned with those established by the Board of Trustees and reflect the Graduate Profile and the District Improvement Plan.

Because technology is constantly changing and new and emerging technologies become available daily, the Plan is intended as a framework that we can build on, not as an end product. This document represents a "work-in-progress". As the Plan is evaluated, new items of need will be added, those that have been completed will be removed.

### MISSION

The mission of Galena Park ISD is "to prepare students to become productive citizens and life-long learners." As part of this mission, Galena Park ISD prepares its students to be competent in the use of technology. GPISD believes that an effective integration of technological systems will help to prepare students for the application of skills in the 21st century.

The technology mission of GPISD is to integrate technology in a way that the educational program for all children in the district will encourage problem-solving, exploration and learning in the classroom; provide student-centered learning; provide access to technology for all students and staff; provide for both current and future needs; restructure the learning environment; encourage communication; complement current key teaching strategies; and implement a comprehensive information system.

The instructional technology mission of GPISD is to improve the utilization and integration of technology through the use of staff development, applications and curriculum software.

### BACKGROUND

Technology planning has been a continuous process in Galena Park ISD since the completion of the first Five Year Technology Plan in 1992. This plan addressed the educational mission and instructional goals of Galena Park ISD and established that technology was an integral part of the educational setting. It called for the integration of hardware and software to meet increasing demands for access to technology.

Driven by the ever-increasing pace of changes in technology and by State and Federal technology initiatives, planning has continued in GPISD. The Technology Planning Committee began with previous Five Year Technology Plans and the Galena Park ISD District Improvement Plan. One goal in the District Improvement Plan of particular relevance in the technology planning process is Goal 1: "The district will provide purposeful and relevant instruction and curricula in a way that all students will achieve their potential so that they become productive and responsible citizens and continue to grow personally and intellectually."

The Technology Planning Committee has developed this Long-Range Technology Plan to be consistent with the state curriculum standards and to support the No Child Left Behind Act of 2001. Specific attention is given to addressing student standards for technology as defined by the Technology Applications Texas Essential Knowledge and Skills (TEKS), required in the Texas Education Code, Section 28.002. The Technology Applications TEKS found in 19 TAC Chapter 126 describe what students should know and be able to do using technology. As a part of the enrichment curriculum, these TEKS are to be used as guidelines for providing instruction. The goal of the Technology Applications TEKS is for students to gain technology-based knowledge and skills and to apply them to all curriculum areas at all grade levels.

The plan stresses the importance of ongoing and sustained staff development in the integration of technology into the curriculum for teachers, principals, administrators, and school library media personnel to further the effective use of technology in the classroom or library media center. It also is consistent with the recommendations for LEAs as defined by the Texas Long-Range Plan for Technology in the areas of Teaching and Learning, Educator Preparation and Development, Administration and Support Services, and Infrastructure for Technology, as well as the e-rate applications guidelines, and other state standards, such as the newly adopted Technology Applications Standards for Beginning Teachers.

### INFRASTRUCTURE OVERVIEW

Galena Park ISD, the largest Exemplary district in Texas, has committed substantial resources—personnel, time, and money—toward the implementation of telecommunications and information technology, along with instructional software for all students. Consequently, GPISD is a leader and innovator in the field of Technology.

The district's telecommunications and information technology infrastructure is impressive. The Wide Area Network (WAN) backbone interconnects all campuses, support locations, and administrative offices through Gigabit fiber optic lines leased from Time-Warner. Every location has a Local Area Network (LAN) with access to up-to-date file servers running the Novell Netware operating system. Every classroom and office in the district is connected to the Internet. The district has adopted a standard Intel-based configuration for workstations and servers, which support the Microsoft Windows operating system. Every classroom has the equivalent of at least four networked computers, and every teacher and administrator has email.

The district also provides a major commitment of personnel to support technology. Nineteen staff members in the Technology Department provide administrative and technical support for financial and student applications. In addition, the District has assigned

at least one experienced certified teacher the full-time responsibility for facilitating technology and technology integration into the curriculum on nearly every campus. This individual is called a Technology Instructional Specialist (TIS) to reflect the absorption of Technology into Instruction. Staff development for all administrators and teachers is a very high priority.

The target of all this effort, of course, is the student. Student applications include TAKS-related learning software such as Compass Software and Plato. Students are able to work together in computer labs and independently in classrooms. An outstanding resource available on every campus is the ADM Database. ADM is a program that specializes in disaggregating benchmark data to help schools and the district improve student achievement and enhance curriculum and instruction. (It is used by faculty only.) Filemaker Pro – a database used in conjunction with ADM

Other resources including the Skills Bank, Advanced Learning Systems (A+), and Accelerated Reader target special groups of students with special needs.

## Needs Assessment

### Assessment Process:

Process: During the fall of 2003, the district organized and structured a comprehensive needs assessment of goods, services, and educational programs. The purpose of the needs assessment is to identify goals, products, problems, or conditions that should be addressed in technology planning. Teachers, students in grades five through twelve, parents and community members received a 10-page survey of which six questions addressed technology and the use of technology.

Over 12,000 surveys were returned. In addition, all staff members received a survey to indicate their commendations and recommendations for technology and the use of technology in building a data-driven district.

A 20-member Technology Planning Committee comprised of district administrators, campus administrators, teachers, parents, specialists, and computer technicians will review and revise the technology plan every year.

### Existing Conditions:

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

The district provides each location access to a switched 1Gbps Ethernet WAN through fiber-optic cable (Time-Warner), configured so that there is 100Mb/sec available at each workstation.

**HARDWARE:** Supporting equipment at each location may be different depending on the campus layout and users, but is consistent with GPISD's plan for the broadband network, made up, for the most part, of Cisco Catalyst 4000 Series Modules. Some spare equipment is stocked for quick replacements as needed. Every campus has a minimum of two print and file servers running Novel 6.x, or better. Servers are located on campus or at the central data center. Each server is backed up regularly, and connected to a UPS.

The district's goal is to make available a minimum of four Windows 98, or better, workstations for each classroom. The district is working toward the goal of one-to-one computing: a computer for every student.

The district's goal is for each elementary library to have a minimum of six Windows 98, or better, workstations.

The district's goal is for each secondary library to have a minimum of ten Windows 98, or better, workstations.

The district's goal is for each secondary campus that has more than five floating teachers to have ten Windows 98, or better, workstations to place in a mini-lab for teacher use.

The district's goal is for each classroom to have access to a data projector for multimedia applications, Internet display, and software introduction and use.

Every campus will have the following equipment as a minimum standard: one NCS scanner, one digital camera or digital video camera, one flat bed scanner, one laser printer for each campus lab, one DeskJet printer for every two classrooms, or one laser printer for every five classrooms, one LCD projector, and one laptop computer.

**SOFTWARE:** All campuses have the following software:

- ADM – is a program that specializes in disaggregating benchmark data to help schools and the district improve student achievement and enhance curriculum and instruction. (\*Used by faculty only.)
  - o Filemaker Pro – a database used in conjunction with ADM
- Desktop Publishing - Desktop publishing is an important tool that can enhance communication by making it possible to quickly and efficiently produce printed and electronic documents such as newsletters and brochures.
- Follett – is the automated library software for circulation and inventory (resources/manipulatives).
  - o OPAC – On-line Public Access Catalogue; allows students & faculty to search for books in the library
- Microsoft Office – (\*Used by students and faculty.)
  - o Word is the word processing program of the Microsoft Office suite that allows students and faculty members to create documents and reports.
  - o Excel allows students and faculty members to develop spreadsheets that display data in various tabular and visual formats.
  - o Power Point creates multimedia presentations to display information in a graphical format.
  - o Access is a database program that stores information that can be manipulated, sorted, and filtered to meet your specific needs.
  - o FrontPage allows the webmaster at each school to create professional-looking web pages for the Internet.

**ELEMENTARY SCHOOLS** have the following software:

- Lexia - targets the two components of reading: word identification and comprehension. Automatic word identification is essential for efficient reading comprehension. This software supports the development of word identification skills and provides practice to help those skills become automatic. Phrase, sentence and paragraph level activities are also provided to increase the use of language based or contextual cues for improved comprehension. (\*Used by Special Education only.)
- Compass Learning - is a program that has on-line computer activities that track and monitor students achievement and provide individualized strands of learning. Compass Learning solutions diagnose students' strengths and weaknesses on the same outcomes tested on state and national assessments, and then prescribe personalized learning paths that focus students on the areas they need to improve in to meet critical standards. Easy-to-generate reports provide individual, class, and school data so you know your students are headed in the right direction. Management tools allow teachers to spend less time on administrative tasks and more time working one-on-one with students to achieve individual needs. (\*Used by students, teachers, and administrators.)
- Compass Learning Spanish – Spanish Language Arts, English Language Arts and Integrated Language Arts are each built into the program. These programs help students acquire English language competencies naturally. The students are engaged through a combination of interrelated, interactive computer and complementary non-computer activities. (\*Used by students, teachers, and administrators.)
- Accelerated Reader (AR) – 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.
- 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 identify those who need individual help.
- Kidspiration – is a graphical organizing program that helps students see, organize, and develop their great ideas. Using the proven principles of visual learning, kids build their confidence in creating stories, organizing information, understanding concepts and expressing and sharing their thoughts.
- EducAide – is a computerized mathematics filing cabinet. Teachers and administrators use this database to construct math activities, worksheets, or exams. The database stores various types of problems: multiple-choice, free-response, fill-in-the-blank, true-false, column-match, etc. It also allows teachers/administrators to write their own problems and store them on the computer.
- Max's Sandbox - learning important life skills such as word processing, how to use spreadsheets and how to create professional-looking presentations.

MIDDLE SCHOOLS have the following software:

- Accelerated Reader (AR) – 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.
- 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 identify those who need individual help.
- Lexia - targets the two components of reading: word identification and comprehension. Automatic word identification is essential for efficient reading comprehension. This software supports the development of word identification skills and provides practice to help those skills become automatic. Phrase, sentence and paragraph level activities are also provided to increase the use of language based or contextual cues for improved comprehension. (\*Used by Special Education only.)
- Compass Learning - is a program that has on-line computer activities that track and monitor students achievement and provide individualized strands of learning. Compass Learning solutions diagnose students' strengths and weaknesses on the same outcomes tested on state and national assessments, and then prescribe personalized learning paths that focus students on the areas they need to improve in to meet critical standards. Easy-to-generate reports provide individual, class, and school data so you know your students are headed in the right direction. Management tools allow teachers to spend less time on administrative tasks and more time working one-on-one with students to achieve individual needs. (\*Used by students, teachers, and administrators.)
- Advanced Learning Systems (A+) - is the Social Sciences curriculum that extends students' knowledge about who they are, where their ancestors came from, how they got where they are, and why current and past events are important to them. Visual aids, auditory aids, detailed printable maps, and color reinforce key points and concepts and help students retain what they have learned. Teachers are able to create prescribe strands of lessons for the class or individualize the lessons according to strengths and weaknesses.
- MicroType Pro - is an all-in-one alphabetic, numeric, skill-building, and keypad program, designed for teaching "touch typing" skills. The software's enhanced graphics, color, on-screen photos, animation, and use of a character named "Typo", makes learning exciting and fun for students.
- Geometers Sketchpad - is a dynamic construction and exploration tool that enables students to explore and understand mathematics in ways that are simply not possible with traditional tools. Sketchpad's dynamic, visual approach allows younger students to develop the concrete foundation they need to move ahead to more advanced levels of study. Sketchpad encourages a

process of discovery in which students first visualize and analyze a problem, and then make conjectures before attempting a proof.

- EducAide – is a computerized mathematics filing cabinet. Teachers and administrators use this database to construct math activities, worksheets, or exams. The database stores various types of problems: multiple-choice, free-response, fill-in-the-blank, true-false, column-match, etc. It also allows teachers/administrators to write their own problems and store them on the computer.
- Inspiration - used by students grades 6 to 12 to build thinking skills and organize writing. Inspiration's integrated diagramming and outlining environments work together to help students comprehend concepts and information.

HIGH SCHOOLS have the following software:

- PLATO Pathways – 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.
- Advanced Learning Systems (A+) - is the Social Sciences curriculum that extends students' knowledge about who they are, where their ancestors came from, how they got where they are, and why current and past events are important to them. Visual aids, auditory aids, detailed printable maps, and color reinforce key points and concepts and help students retain what they have learned. Teachers are able to create prescribe strands of lessons for the class or individualize the lessons according to strengths and weaknesses.
- Geometers Sketchpad - is a dynamic construction and exploration tool that enables students to explore and understand mathematics in ways that are simply not possible with traditional tools. Sketchpad's dynamic, visual approach allows younger students to develop the concrete foundation they need to move ahead to more advanced levels of study. Sketchpad encourages a process of discovery in which students first visualize and analyze a problem, and then make conjectures before attempting a proof.
- Inspiration - used by students grades 6 to 12 to build thinking skills and organize writing. Inspiration's integrated diagramming and outlining environments work together to help students comprehend concepts and information.

(See Attachment Item C: Galena Park ISD District Software)

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.

#### **Technology Needs:**

Technology needs have been identified in GPISD 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 four years old.

There is a need to maintain current software licenses and to upgrade licenses as appropriate.

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 -- for example.

There is a need for increased staffing and support.

Finally, there is a need for Instructional Technology proficiency incentives.

## Goals, Objectives, and Strategies

<b>GOAL 1: Teaching and Learning.</b>					
<p><b>OBJECTIVE 1.1:</b> GPISD will enrich the quality of instruction and close the digital divide by ensuring that every student is technologically literate by the end of the 8th grade.</p> <p><i>Budget Amount \$25,636.00</i>  <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER01            NCLB Correlates: 01, 07, 09</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.1.1:	<p>Ensure that all students in grades 2-8 complete district required student technology integration projects.</p> <p>LEA LRPT Correlates: TL01, TL02, TL06, TL08, TL12</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2004-05 2005-06 2006-07</p>	<p>Instructional Technology; Curriculum Coordinator</p>	<p>Completed integration projects</p>
1.1.2:	<p>Offer community and family-directed activities, such as the District Multimedia Festival, to display student technology integration projects for parents and the community.</p> <p>LEA LRPT Correlates: AS07, I05, TL01, TL02, TL04, TL06, TL08, TL21</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2004-05 2005-06 2006-07</p>	<p>District &amp; Campus Instructional Technology Staff</p>	<p>Festival information is correct; Multimedia festival scheduled and attended by community &amp; family members; Campus winners are displayed.</p>
1.1.3:	<p>Offer summer Cyber Camps for students in Grades 2-5.</p> <p>LEA LRPT Correlates: TL01, TL02, TL06, TL08</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>2004-05 2005-06 2006-07</p>	<p>District &amp; campus Instructional Technology Staff</p>	<p>Camps are completed; student projects are available.</p>
<p><b>OBJECTIVE 1.2:</b> GPISD will ensure that every student understands the foundations of technology.</p> <p><i>Budget Amount \$25,636.00</i>  <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER01            NCLB Correlates: 01, 07</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.2.1:	<p>The student demonstrates knowledge and appropriate use of hardware components, software program, and their connections.</p> <p>Comments: Technology TEKS, Texas STaR Chart criteria &amp; Texas School Library Standards will be used as criteria.</p> <p>LEA LRPT Correlates: TL01, TL02, TL06, TL08, TL14, TL15</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2004-05 2005-06 2006-07</p>	<p>Instructional Technology; Curriculum Coordinator; classroom teachers</p>	<p>Performance Assessment of students demonstrating information retrieval skills &amp; completion of district required student projects in grades 2-8.</p>
1.2.2:	<p>The student uses data input skills appropriate to the task.</p> <p>LEA LRPT Correlates: TL01, TL02, TL06, TL08</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2004-05 2005-06 2006-07</p>	<p>Instructional Technology; classroom teachers</p>	<p>Classroom observation; performance assessments.</p>

1.2.3:	The student complies with the laws and examines the issues regarding the use of technology society.  LEA LRPT Correlates: TL01, TL02, TL06, TL08	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology; classroom teachers	Students adheres to policies.
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**OBJECTIVE 1.3:** GPISD will ensure that every student can use and evaluate technology needed for information acquisition.

*Budget Amount \$25,636.00*  
*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01  
NCLB Correlates: 01, 07

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.3.1:	The student uses a variety of strategies to acquire information from electronic resources, with appropriate supervision.  Comments: Technology TEKS, Texas STaR Chart criteria & Texas School Library Standards will be used as criteria.  LEA LRPT Correlates: EP06, TL01, TL02, TL06, TL08, TL14, TL15	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Classroom teacher; Instructional Technology; Curriculum Coordinator;	Classroom observation; performance assessments. Completion of district required social studies projects in grades 3-8.
1.3.2:	The student acquires electronic information in a variety of formats, with appropriate supervision.  LEA LRPT Correlates: TL01, TL02, TL06, TL08	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology; classroom teacher	Classroom observation; performance assessments
1.3.3:	The student evaluates the acquired electronic information.  LEA LRPT Correlates: TL01, TL02, TL06, TL08	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology; classroom teacher	Classroom observation; performance assessments.

**OBJECTIVE 1.4:** GPISD will ensure that every student can use and evaluate technology needed for problem solving.

*Budget Amount \$72,970.00*  
*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01  
NCLB Correlates: 01, 07

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.4.1:	The student uses appropriate computer-based productivity tools to create and modify solutions to problems.  Comments: Technology TEKS, Texas STaR Chart criteria & Texas School Library Standards will be used as criteria.  LEA LRPT Correlates: TL01, TL02, TL06, TL08, TL14, TL15	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology; Curriculum Coordinator; classroom teacher	Classroom observation; performance assessments. Completion of district required student projects in grades 2-8.
1.4.2:	The student uses research skills and electronic communication, with appropriate supervision, to create	State: Original	2004-05 2005-06 2006-07	Instructional Technology; classroom teacher	Classroom observation; performance assessments. Completion of district-required

<p>new knowledge.</p> <p>LEA LRPT Correlates: TL01, TL02, TL06, TL08</p>	<p>Status: In Progress</p>		<p>student social studies projects.</p>		
<p><b>OBJECTIVE 1.5:</b> GPISD will ensure that every student can use and evaluate technology needed for communication.</p> <p><i>Budget Amount \$79,614.00</i> <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 01, 07</p>					
<p><i>Strategies</i></p>	<p><i>State/Status:</i></p>	<p><i>Timeline:</i></p>	<p><i>Person(s) Responsible:</i></p>	<p><i>Evidence:</i></p>	
<p>1.5.1:</p>	<p>The student formats digital information for appropriate and effective communication.</p> <p>Comments: Technology TEKS, Texas STaR Chart criteria &amp; Texas School Library Standards will be used as criteria.</p> <p>LEA LRPT Correlates: TL01, TL02, TL06, TL08, TL14, TL15</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2004-05 2005-06 2006-07</p>	<p>Instructional Technology; Curriculum Coordinator; classroom teacher</p>	<p>Classroom observation; performance assessments. Campus attendance in multimedia contest.</p>
<p>1.5.2:</p>	<p>The student delivers the product electronically in a variety of media, with appropriate supervision.</p> <p>LEA LRPT Correlates: TL01, TL02, TL06, TL08</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2004-05 2005-06 2006-07</p>	<p>Instructional Technology; classroom teacher</p>	<p>Classroom observation; performance assessments.</p>
<p>1.5.3:</p>	<p>The student uses technology applications to facilitate evaluation of communication, both process and product.</p> <p>LEA LRPT Correlates: TL01, TL02, TL06, TL08</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2004-05 2005-06 2006-07</p>	<p>Instructional Technology; classroom teacher</p>	<p>Classroom observation; performance assessments.</p>

**GOAL 2: Educator Preparation and Development: Incorporate technology as an integral part of instruction through meaningful staff development**

**OBJECTIVE 2.1:** In five years all teachers will demonstrate technological competencies in instructional delivery, student assessment, and professional communications.

*Budget Amount \$95,122.00*

*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER02

NCLB Correlates: 01, 03, 04b, 11

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.1.1:	Develop a multilevel staff development program for technology implementation.  Comments: Note: we also provide on-line staff development by keeping up-to-date training materials on the district's Instructional Technology website. (See Attachment Item B: Galena Park ISD Instructional Technology)  LEA LRPT Correlates: EP01, EP09, TL03	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology	Performance based assessment
2.1.2:	Integrate technology skills into the curriculum.  LEA LRPT Correlates: EP03, EP04, EP08	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology	Performance based assessment
2.1.3:	Include technology goals into the campus plan  LEA LRPT Correlates: EP13	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology	Included in CIP

**OBJECTIVE 2.2:** GPISD will increase district wide staff development programs to insure consistent and effective use of hardware and software to enhance student success.

*Budget Amount \$64,765.00*

*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER02

NCLB Correlates: 01, 03, 04b, 11

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.2.1:	Ensure that TIS personnel at each campus facilitate and track campus staff development, technology integration, and technology curriculum alignment.  LEA LRPT Correlates: EP05, EP07	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology	Performance based assessment
2.2.2:	Provide District level staff development during in-service, after school and summer.  LEA LRPT Correlates: EP01, EP03	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology	Records of staff development activities
2.2.3:	Technology Proficiencies • Proficiency Level I – III All campus employees (incl. clerical & administration) All of DOI • Proficiency Level IV All Teachers • 05-06 Technology Competency All core area teachers (Math, Science, Social Studies,	State: Revised  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology	Standards are in place.

Language Arts)					
LEA LRPT Correlates: EP02, EP13, TL13, TL20					
<b>OBJECTIVE 2.3:</b> GPISD will ensure that every teacher understands the foundations of technology.					
<p><i>Budget Amount \$5,341.00</i>  <i>LRPT category: Educator Preparation and Development</i></p> <p>E-Rate Correlates: ER02  NCLB Correlates: 04b</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.3.1:	All teachers use technology – related terms, concepts, data input strategies, and ethical practices to make informed decisions about current technologies and their applications.  Comments: NETS*T I,VI / SBEC I  LEA LRPT Correlates: EP03, EP05, TL05, TL07	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology	All teachers pass district required technology proficiency assessment (see Attachment Item 4: Galena Park ISD Technology Proficiencies). Also, core classes in grades 2-8 must complete district-required projects.
<b>OBJECTIVE 2.4:</b> GPISD will ensure that every teacher can use and evaluate technology needed for information acquisition.					
<p><i>Budget Amount \$10,727.00</i>  <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER02  NCLB Correlates: 04b</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.4.1:	All teachers identify task requirements, apply search strategies, and use current technology to efficiently acquire, analyze, and evaluate a variety of electronic information  Comments: NETS*T II / SBEC II  LEA LRPT Correlates: EP03, EP05, TL05, TL07	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology	All teachers pass district required technology proficiency assessment (see Attachment Item 4: Galena Park ISD Technology Proficiencies).
<b>OBJECTIVE 2.5:</b> GPISD will ensure that every teacher can use and evaluate technology needed for problem solving.					
<p><i>Budget Amount \$6,136.00</i>  <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER02  NCLB Correlates: 04b</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.5.1:	All teachers use task-appropriate tools to synthesize knowledge, create and modify solutions, and evaluate results in a way that supports the work of individuals and group in problem-solving situations.  Comments: NETS*T IV,V / SBEC III  LEA LRPT Correlates: EP03, EP05, TL05, TL07	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology	All teachers pass district required technology proficiency assessment (see Attachment Item 4: Galena Park ISD Technology Proficiencies).

**OBJECTIVE 2.6:** GPISD will ensure that every teacher can use and evaluate technology needed for communication.

*Budget Amount \$6,136.00*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER02

NCLB Correlates: 04b

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.6.1:	All teachers communicate information in different formats and for diverse audiences.  Comments: NETS*T I / SBEC IV  LEA LRPT Correlates: EP03, EP05, TL05, TL07	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology	All teachers pass district required technology proficiency assessment (see Attachment Item 4: Galena Park ISD Technology Proficiencies).

**OBJECTIVE 2.7:** GPISD will ensure that every teacher can use and evaluate technology needed for integration.

*Budget Amount \$10,727.00*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER02

NCLB Correlates: 03, 04b, 11

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.7.1:	All teachers know how to plan, organize, deliver and evaluate instruction for all students that incorporates the effective use of current technology for teaching and integrating the Technology Applications Texas Essential Knowledge and Skills (TEKS) into the curriculum.  Comments: NETS*T II,III,IV / SBEC V  LEA LRPT Correlates: EP03, EP05, TL05, TL07	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology	All teachers pass district required technology proficiency assessment (see Attachment Item 4: Galena Park ISD Technology Proficiencies). PDAS. All employees must pass Level V of proficiencies by 2005-2006.

<b>GOAL 3: Administration and Support Services</b>				
<p><b>OBJECTIVE 3.1:</b> GPISD will continue to monitor and update the technology plan in a way that new technology developments are carefully evaluated and prioritized so that appropriate and cost-effective hardware and software are included.</p> <p><i>Budget Amount \$100,029.00</i>  <i>LRPT category: Administration and Support Services</i></p> <p>E-Rate Correlates: ER01  NCLB Correlates: 02, 04a, 05, 06, 11</p>				
<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
<p>3.1.1: Continuous assessment of the Technology Plan to ensure that the use of district technology is evaluated, that useful practices continue and unnecessary equipment, software, and techniques can be eliminated.</p> <p>LEA LRPT Correlates: AS01, AS02, AS06, EP14, I01, I03, I08, I13, TL09</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2004-05 2005-06 2006-07</p>	<p>Director of Technology, Instructional Technology; Technology Committee - including administrators, teachers, parents and community representatives.</p>	<p>Updated and revised Technology Plan. Technology Plan will be consistent with Texas State Standards. Policies will be included that encourage use of all school facilities, including computer labs and libraries.</p>
<p>3.1.2: Ensure that new developments in technology are assessed and studied before their acceptance as part of the district standard.</p> <p>LEA LRPT Correlates: AS01, AS02</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2004-05 2005-06 2006-07</p>	<p>Instructional Technology</p>	<p>STAR Chart; District Surveys. New standards are consistent with district standards and Texas State Standards.</p>
<p>3.1.3: Ensure that continuous evaluation and monitoring take place and, working in conjunction with the Evaluation Department, ensure that feedback is timely and continuous.</p> <p>LEA LRPT Correlates: AS02, AS03, I09, TL19</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2004-05 2005-06 2006-07</p>	<p>Instructional Technology</p>	<p>STAR Chart; District Surveys; TIS Binders</p>
<p><b>OBJECTIVE 3.2:</b> All Technology Staff will demonstrate increased knowledge and improved technological competencies as a result of additional staff development (Campus Goal 7).</p> <p><i>Budget Amount \$405,077.00</i>  <i>LRPT category: Administration and Support Services</i></p> <p>E-Rate Correlates: ER02  NCLB Correlates: 01, 04b</p>				
<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
<p>3.2.1: Training for Technical Staff</p> <p>LEA LRPT Correlates: EP11, EP12</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2004-05 2005-06 2006-07</p>	<p>Technology Director</p>	<p>Certificate of completion</p>
<p>3.2.2: Staff Development for Technology Instructional Specialists (TIS) and librarians</p> <p>LEA LRPT Correlates: EP10, EP11, EP12</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2004-05 2005-06 2006-07</p>	<p>Instructional Technology; Program Director</p>	<p>Completion of staff development; attendance at a technology conference.</p>

3.2.3:	Staff Development for PEIMS staff.  LEA LRPT Correlates: EP11, EP12	State: Original  Status: In Progress	2004-05 2005-06 2006-07	PEIMS Coordinator	Records of Completed staff development
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<b>GOAL 4: Infrastructure for Technology</b>					
<b>OBJECTIVE 4.1:</b> All administrators, teachers and staff will have increased access to technological tools and will use a variety of these tools to address the individual needs of students (Campus Goal 6).					
<i>Budget Amount \$1,296,177.00</i>					
<i>LRPT category: Infrastructure for Technology</i>					
E-Rate Correlates:					
NCLB Correlates: 03, 05, 06, 10, 12					
<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>	
4.1.1: Provide technicians to support technology in Administration offices and on Campuses  LEA LRPT Correlates: I02, I10, TL18	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Technology Director, Network Manager	Computers are working; repairs made in timely manner.	
4.1.2: Provide support for fiber Wide Area Network  LEA LRPT Correlates: I10, TL18	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Technology Director, Network Manager	Network is functioning	
4.1.3: Develop & implement technology plans for new and renovated campuses.  LEA LRPT Correlates: I01, I02, I08	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Technology Director, Network Manager; Instructional Technology Director	Completed implementation plan	
4.1.4: Implement & support VOIP telephone systems in new and remodeled campuses  LEA LRPT Correlates: AS05, I02, I15	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Technology Director, Network Manager	Telephones operational, customers satisfied	
4.1.5: Implement a phased approach to acquisition of new computers and peripheral hardware so that all computers are no more than 4 years old (Hardware Refresh Plan)  LEA LRPT Correlates: I04, I05, I06, I07, I14	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Technology Director	Plan has been approved and funded	
4.1.6: Explore and apply for alternative sources of technology funds, including e-rate, grants, school-business partnerships, cooperative arrangements with universities, community colleges, etc.  LEA LRPT Correlates: AS07, I03, I11, I12	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Technology Director, Program Director for Instructional Technology, Director of Research and Evaluation	Successful funding	
4.1.7: Collaborate with adult literacy service providers. Campuses offer adult technology courses and evening parent classes.  LEA LRPT Correlates: AS01, AS05, TL08, TL18	State: Revised  Status: In Progress	2004-05 2005-06 2006-07	Director of Technology; Program Director for Instructional Technology; Campus principals.	Collaborative programs have been developed with community groups and other adult literacy programs	

**OBJECTIVE 4.2:** GPISD will enhance the quality of instruction through district wide implementation of state-of-the-art telecommunications and information technology hardware and its integration as an essential part of the district environment.

*Budget Amount \$516,492.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

NCLB Correlates: 02, 03, 06, 07, 08, 11, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
4.2.1:	Relocate all campus file servers into a consolidated data center located at the new administration facility.  LEA LRPT Correlates: I02	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Technology Director and Staff	Servers have been consolidated at data center; are working
4.2.2:	Ensure that all hardware acquired meet district instructional goals and are consistent with latest industry and District hardware standards and that all technology is accessible by all students  LEA LRPT Correlates: I05, I06, I07, TL10, TL16	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Technology Director and Staff; Instructional Technology Program Director	Independent verification that hardware is consistent with district standards and that adaptive/assistive devices, training and support, are available as appropriate
4.2.3:	Develop Disaster Recovery Plan and implement Backup/Recovery System with remote backup in Austin or Dallas.  LEA LRPT Correlates: I01, I02	State: Revised  Status: In Progress	2004-2005 2005-2006	Technology Director, Network Manager	Plan is complete and systems are working
4.2.4:	Assist various departments expand their accountability through Delta (Kronos, ServiceMaster, Personnel forms). Implement the conversion from Delta to Sage during the 2004-2005 & 2005-2006 school years.  LEA LRPT Correlates: AS04, AS08, I02, I15	State: Revised  Status: In Progress	2004-05 2005-06 2006-07	Technology Director, Programmers	New systems implemented, working
4.2.5:	Student Data System: Complete installation of system, implement pilot project, be prepared for implementation in Fall of 2004  LEA LRPT Correlates: AS05, I02, TL11	State: Original  Status: Completed	July-01-04	Tech. Director, PEIMS Coordinator	System is installed & operational on July-01-04
4.2.6:	District Web Page: provide infrastructure hardware and staff to support GPISD Internet & Intranet  LEA LRPT Correlates: AS03, AS05, AS07, TL16, TL17, TL18	State: Original  Status: In Progress	2004-2005 2005-2006 2006-2007	Director of Technology; Network Manager; Systems Programmer; District Webmaster	Web page is functioning; users have access

**OBJECTIVE 4.3:** GPISD will enrich the quality of instruction by acquiring and maintaining appropriate software that can be integrated into the classroom environment.

*Budget Amount \$243,153.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

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

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.3.1:	Ensure that all software is aligned in such a way that all components of the curriculum are compatible and consistent with district objectives.  LEA LRPT Correlates: AS08, EP01, EP02, EP03, I01, I07	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology; Curriculum Coordinator	Plans are in place and approved by DPAC
4.3.2:	Ensure that instructional software is operational and accessible in classrooms and computer lab settings.  LEA LRPT Correlates: I07	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology Staff	Software is in place and working.
4.3.3:	Provide training on the use and procedures for implementation of available software to teachers and Technology Instructional Specialists (TIS) and implementation procedures  LEA LRPT Correlates: EP12	State: Original  Status: In Progress	2004-05 2005-06 2006-07	Instructional Technology Staff	Records of staff development, logs

## Budget

Total amount of Title II, Part D formula funds received for the current year of this plan: \$79,014.00

Method of application for formula funds: Local Application

<b>Budget year 2004</b>		
<b>Budget item</b>	<b>Cost</b>	<b>Funding Sources with amount per source</b>
Staff Development	\$164,614.00	General Fund - 32% Technology Allotment - 20% Title II-D - 48%
Telecommunications & Internet Access	\$116,600.00	General Fund - 2% Technology Allotment - 98%
Materials & Supplies	\$318,968.00	General Fund - 28% Technology Allotment - 72%
Equipment	\$162,394.00	General Fund - 15% Technology Allotment - 85%
Maintenance	\$53,600.00	General Fund - 100%
Miscellaneous Expenses	\$162,949.00	General Fund - 65% Technology Allotment - 35%
<b>Total</b>	<b>\$979,125.00</b>	

<b>Budget year 2005</b>		
<b>Budget item</b>	<b>Cost</b>	<b>Funding Sources with amount per source</b>
Staff Development	\$165,604.00	General Fund - 32% Technology Allotment - 21% Title II-D - 48%
Telecommunications & Internet Access	\$120,023.00	General Fund - 2% Technology Allotment - 98%
Materials & Supplies	\$325,868.00	General Fund - 27% Technology Allotment - 73%
Equipment	\$166,531.00	General Fund - 15% Technology Allotment - 85% Title II-D - 48%
Maintenance	\$53,600.00	General Fund - 100%
Miscellaneous Expenses	\$164,660.00	General Fund - 64% Technology Allotment - 36%
<b>Total</b>	<b>\$996,286.00</b>	

<b>Budget year 2006</b>		
<b>Budget item</b>	<b>Cost</b>	<b>Funding Sources with amount per source</b>
Staff Development	\$166,624.00	General Fund - 32% Technology Allotment - 21% Title II-D - 47%
Telecommunications & Internet Access	\$123,549.00	General Fund - 2% Technology Allotment - 98%

Materials & Supplies	\$332,975.00	General Fund - 27% Technology Allotment - 73%
Equipment	\$170,792.00	General Fund - 14% Technology Allotment - 86%
Maintenance	\$53,600.00	General Fund - 100%
Miscellaneous Expenses	\$166,423.00	General Fund - 64% Technology Allotment - 36%
Total	\$1,013,963.00	

## Evaluation

### **Evaluation Process:**

A successful technology plan requires ongoing monitoring and continuous improvement, in addition to soliciting feedback from stakeholders – including students, parents, administrators, and staff. The GPISD technology plan will be reviewed and updated at least quarterly. The 20 members of the Technology Planning Committee, facilitated by the Director of Technology, will consider growth areas and strengths of the plan. Concerted efforts with the instructional technology staff will provide frequent monitoring. Regular meetings will be held to ensure effective two-way communication. The director will provide monthly updates to principals during principal meetings. In addition, the director will send out monthly technology update newsletters outlining technology highlights (see Appendix Item E: Galena Park ISD Monthly Technology Newsletters).

### **Evaluation Method:**

The Technology Planning Committee will hold the district accountable for the success of objectives of the technology plan.

Qualitative and quantitative data will be collected from a variety of sources, including teacher and student data, AEIS, accountability standards, TAKS and benchmarks, and technology proficiencies. Progress reports will be expected in frequent intervals. Collected data will be ongoing to monitor the plan and the technology program. The Office of Research will conduct a comprehensive assessment during November of each year. The findings will be used to monitor the progress of objectives. The data gathered and information gathered through the effectiveness indicators or evidence of completion will be reported to the district community.

Program evaluation will be guided by the effectiveness indicators and will include both process and product evaluation components with both quantitative and qualitative data analysis.

## Appendix

**Attachment item A:**

Galena Park ISD Home Page

Web site: <http://www.galenaparkisd.com>

**Attachment item B:**

Galena Park ISD Instructional Technology

Web site: <http://www.galenaparkisd.com/insttech/>

**Attachment item C:**

Galena Park ISD District Software

Web site: [http://www.galenaparkisd.com/insttech/dist\\_software.htm](http://www.galenaparkisd.com/insttech/dist_software.htm)

**Attachment item D:**

Galena Park ISD Employee Technology Proficiencies

Web site: <http://www.galenaparkisd.com/training>

**Attachment item E:**

Galena Park ISD Monthly Technology Newsletters

Web site: <http://www.galenaparkisd.com/technology/Lorentz/techarchives.htm>

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Galena Park 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.