



*Promoting Success*

# **Houston Elementary Technology Plan 2005-2007**

McAllen Independent School District  
McAllen, Texas

McAllen Independent School District  

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HOUSTON ELEMENTARY Technology Plan  
2005-2007

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County District Number 108906

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## Technology Plan Committee

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## Executive Summary

Students entering and attending the HOUSTON ELEMENTARY will graduate and live in the 21st century. Their needs will be dictated by a rapidly changing society. It is our responsibility to prepare them to live, continue to learn in, and adapt to, this change. Decisions made today will have major effects on the quality and effectiveness of the educational process.

Technology is a major force in today's world; consequently, students must be prepared to utilize computers in education, business, and industry. It is imperative that HOUSTON ELEMENTARY continue to accept the responsibility to educate students and staff in the use of technology and provide access to the tools both for the educational process and the efficient management of the instruction.

This plan is a synthesis of the visions and recommendations provided by the Campus Technology Committee, insights shared by administrators and teachers, reviews of available literature, meetings with district representatives.

The goals and objectives contained herein can all be achieved. The goals and objectives are in accordance with the Texas Long-Range Plan for Technology, the federal No Child Left Behind Act of 2001, the federal Schools and Libraries Universal Service Support Mechanism, better known as E-Rate., and are designed to support the delivery of sound instruction to student mastery of the TA-TEKS and TAKS. The technology plan is a flexible document and will necessarily evolve to meet the ever-changing needs of the campus.

It is the campus's strongest belief that through the implementation of this plan for the use of technology, the goals of excellence in teaching, learning and effective management within HOUSTON ELEMENTARY are further advanced.

### Purpose

HOUSTON ELEMENTARY has prepared this Campus Technology Plan to articulate a common vision for technology in the campus and identify the strategies that will help us use advanced technology to improve the academic achievement, including technology literacy, of all students of rigorous curriculum standards and the development of critical thinking skills that are essential for academic and workplace success and build the capacity of all teachers to integrate technology effectively into curriculum and instruction.

### Background

This plan is based on information drawn from many sources including:

- A review of the literature to identify best practices
- Hardware inventory
- Texas Teacher and Campus STaR Chart

- Interviews with site and district administrators and representatives from the **McAllen** community.
- School site meetings

**Parameters**

This Long-Range Technology Plan is driven by the state curriculum standards and supports the educational mission and instructional goals of McAllen ISD and by 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 Technology Applications Standards for Beginning Teachers.

**Demographics**

	2004-2005	2005-2006	2006-2007
Total Student Enrollment	638	626	
Percent Economically Disadvantaged	87.3%	91.1%	
Number of Teachers	37	37*Librar.+1	
<b>Current Situation</b>			
	2004-2005	2005-2006	2006-2007
Computer/Student Ratio (number of students for every computer)	4:1	172 (.27)	
Computer/Teacher Ratio (number of teachers for every computer)	1:1	1:1	
Number of Classrooms with Direct Connection to Internet	37	37	
Percentage of Classrooms with Direct Connection to Internet	100%	100%	

## Needs Assessment

### Assessment Process

A comprehensive needs assessment utilizing teacher/student surveys, interviews, focus group sessions, inventories and the Texas Campus and Teacher STaR Chart was conducted to analyze the current status of technology in the campus and determine future needs. Items analyzed included: infrastructure, hardware, software, programs, courses, student achievement, technology resources, staff development, and technical support.

### Current Conditions

#### Technology Resources

The following resources are provided:

- Go.Grolier
- Video Streaming from United Learning
- AR reading programs
- 4 digital cameras, 2 video cameras, and 3 digital projectors for checkout
- 3 Laptops for checkout
- 1 scanner in library
- Teacher flash drives
- School Zone Math 3 (Network)
- Math investigations software
- Access in the library to adult literacy resources on the web for all community members.
- 1 ActivBoard
- CEI Lab
- Computer Lab
- eChalk

#### Staff Training

The following technology staff development is in place:

- All teachers are required to take a yearly survey to assess their technology skills
- District Technology Specialists in the district will provide training to other teachers after school
- Other training is provided to the campus through content areas, ESC 1, campus-based training

#### Technical Support

The following technical support is currently in place.

- Campus Technology Facilitator
- Instructional Technology Specialist
- Computer Lab Manager
- CEI Lab Manager

- Network Support Team

### Existing Technology

The following technology is currently in place:

- Direct connection to the Internet via T1 leased line.
- Ethernet-to-the-desktop connected computer labs with two file servers for classes.
- Six network drops in every classroom.
- Computer projectors for classroom checkout.
- One networked computer lab
- CEI computer lab (networked)
- NCLB wireless access points
- 3 Wireless access points
- Networked online card catalog, Internet access, and automated checkout in the library.
- 163 student computers
- 37 teacher computers

### Identified Needs

- ❖ Ongoing Professional Development
- ❖ More networked educational software
- ❖ Updated computers
- ❖ DVD players
- ❖ Document Camera (ELMO)
- ❖ Presentation laptops with wireless access
- ❖ ActivBoards
- ❖ One network laser printer per grade level
- ❖ One network laser color printer per grade level

### Goals & Objectives:

HOUSTON ELEMENTARY developed goals and objectives based upon the recommendations defined by the Texas Long-Range Plan for Technology and the McAllen ISD Technology Plan in the areas of Teaching and Learning, Educator Preparation and Development, Administration and Support Services, and Infrastructure for Technology.

Goals, Objectives, and Strategies

TEACHING AND LEARNING					
GOAL 1: To focus on the instructional needs of teachers and the learning needs of students in meeting the vision of technology in education.					
OBJECTIVE 1.1: 100% of Instructional Staff will be expected to develop strategies for students to improve academic achievement to meet the Technology Applications TEKS through the TEKS.					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.1.1:	Inform educators of the TA-TEKS.	State: Original Status:  Ongoing	Ongoing	Principal; Campus Technology Committee	Grade level/faculty meeting agendas; district/campus/department websites; classroom posters
1.1.2:	Align the curriculum with the TA-TEKS.	State: Original Status:  Ongoing	Ongoing	Teachers	Teacher lesson plans; Teacher observation
1.1.3:	Utilize technology-related activities to support the integration of the TA-TEKS into the TEKS. i.e. Word processing, spreadsheet, database, Internet activities, multimedia projects, webquests, treasure hunts, digital video, virtual field trips	State: Original Status:  Ongoing	Ongoing	Teachers; Principal	Teacher lesson plans; Teacher evaluations
1.1.4:	Utilize <i>computer lab</i> to integrate Technology Applications TEKS across the curriculum. Multimedia projects, Internet Research, Web-based activities	State: <b>Modified</b> Status:  Ongoing	Ongoing	Teachers; Librarian; <i>Computer Lab Manager</i>	Lab sign-up forms; Teacher lesson plans
1.1.5:	Teach the iSafe Curriculum (2nd-5th students)	State: <b>New</b> Status:  Planned	Ongoing	PE Coach	Lesson plans
OBJECTIVE 1.2: 100% of the Instructional Staff will be encouraged to meet SBEC Technology Applications standards for educators and TSSA Technology Standards for School Administrators respectively.					
Strategies		State/Status:	Timeline:	Person(s)	Evidence:

				<i>Responsible:</i>	
1.2.1:	Participate in district-wide technology classes for educators for Time Equivalency and encourage all staff to achieve technology proficiencies. (see Educator Preparation & Development area)	State: Original Status: Ongoing	On-going	Campus Staff	ERO transcripts; at least 100% of all teachers will have attended at least 2 hours of training each year.
1.2.2:	Schedule technology training at each campus to address specific needs.	State: Original Status: Ongoing	Ongoing	Campus Technology Committee; Principal	ERO transcripts; all campus teachers will have attended MS Outlook, VistaNet and Making the Grade training (as needed).
<b>OBJECTIVE 1.3:</b> The campus will strive to have 100% of students achieve the technology proficiencies according to the benchmarks for Technology Applications TEKS.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.3.1:	Campus technology committees will review the TA-TEKS technology proficiencies expected of students each year. Comments: Campus technology committee will share results of review with faculty. TA-TEKS technology proficiencies posted on all campus websites.	State: Original Status: Planned	August-December	Campus Technology Committee	Committee minutes; faculty/grade level minutes; campus website
1.3.2:	Utilize the Technology Application adoption <ul style="list-style-type: none"> <li>▪ All K-5 students will receive a TechKnowledge account.</li> <li>▪ No less than two teachers per grade level will utilize Technology Application adoption materials</li> </ul>	State: <b>New</b> Status: Ongoing	Ongoing	Principal; Teachers	TechKnowledge Usage Reports
<b>OBJECTIVE 1.4:</b> Increased evaluation and innovation across the curriculum through technology. (ref. 1.1)					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.4.1:	Assess and evaluate software programs for elementary schools to address the following subject	State: Original	As Needed	Campus Technology Committee	TCET Educator's ILS Assessment and Evaluation Kit documentation

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	areas: Math, Science, Social Studies, Language Arts, and Electives.	Status: Planned			
1.4.2:	Investigate emerging technologies. (PDA's in the classroom, Electronic textbooks, On-line learning, Distance learning, Digital video, Smartboards, student use of Flash Drives)	State: Original Status: Ongoing	Ongoing	Campus Technology Committee	Project reports and recommendations.
<b>OBJECTIVE 1.5:</b> 100% of schools will integrate ongoing planning for technology into all classrooms and libraries on each campus in the district, and encourage participation of the community.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.5.1:	Continue meetings of the Campus Technology Committee to review campus-wide technology projects and plans	State: Original Status: Ongoing	Ongoing	Principal; Campus Technology Committee Chairperson;	Quarterly meetings; agendas
1.5.2:	Maintain a Campus Technology Committee to include: Technology Specialist, Librarian, Principal, teachers	State: Original Status: Ongoing	August	Campus Technology Committee; Principal	Campus Technology Committee membership list; meeting dates; agendas
1.5.3	100% of campuses and 80% teachers will complete the Texas STaR Charts.	State: <span style="color: blue;">New</span> Status: Completed	October	Campus Technology Committee; Principal	STaR Chart Statistics
<b>OBJECTIVE 1.6:</b> Increased accessibility by all students to technology-based instruction and to adaptive/assistive devices, training and support, as appropriate.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.6.1:	Investigate accessibility at each campus for all students to technology-based instruction and to adaptive/assistance devices as needed.	State: Original Status: Planned	Ongoing	Principal; Director Special Education; Special Education Teacher	Screenings, Evaluations

1.6.3:	Acquire/adapt technologies to ensure equal access for students.	State: Original Status: Ongoing	Ongoing	Principal; Director Special Education; Special Education Teacher	Purchase orders; IEP
<b>OBJECTIVE 1.7:</b> 100% of Instructional staff will utilize student performance data and curriculum materials that are provided and managed electronically in instructional planning.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.7.1:	Utilize disaggregated data and Benchmark Testing for instructional planning at the classroom level.	State: Original Status: Ongoing	Ongoing	Teachers; Principals; Director of Research and Evaluation; Math Coordinator	SPSS;NCS Reports
1.7.2:	Utilize the curriculum units for instructional planning.	State: Original Status: Planned	Ongoing (pending funding)	Teachers; Subject Area Coordinators	Teachers' lesson plans
1.7.3:	Utilize technologies to support MAST (McAllen Assistance Team) team.	State: Original Status: Ongoing	Ongoing	Counselor	Purchase orders for hardware; Student evaluation templates; Drug Free Curriculum (Here's Looking at You 2000)
<b>OBJECTIVE 1.8:</b> Use distance learning and digital content services for expanding curricular offerings and meeting the needs of all students.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.8.1:	Utilize videoconferencing equipment to expand curricular offerings.	State: Original Status: Planned	Ongoing	Principal; Teachers	Distance learning evaluations

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1.8.2:	Participate in on-line courses, virtual field trips, interactive curricular CD's and other distance learning or digital content services.	State: Original Status: Ongoing	Ongoing	Principal; Teachers	Distance learning evaluations; ERO Certificates
<b>OBJECTIVE 1.9:</b> The campus will increase on-demand access for staff and students to the best available technologies, including digital content in classrooms, libraries, and other appropriate sites.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.9.1:	Publish a list of recommended electronic information resources for classrooms, libraries, and students on campus web sites (such eChalk, go.groiler, unitedstreaming, and those provided by specific campuses)	State: Original Status: Ongoing	Ongoing	Librarian	Campus website
1.9.2:	Increase awareness of best available technologies by training staff and students to utilize available technologies and digital content.	State: Original Status: Ongoing	Ongoing	Campus Technology Committee; Librarian	Training agendas; emails; campus website
1.9.3:	As funds become available, ensure that the best available technologies are available in the school libraries and classrooms.	State: Original Status: Ongoing	Ongoing	Principal; Campus Technology Committee	Documentation to support special projects.
<b>OBJECTIVE 1.10:</b> Identify and communicate the best technology practices to the community.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.10.1:	Inform parent/community organizations (PTA, DAC, PAC, etc.) of campus best technology practices.	State: Original	Ongoing; March (Texas)	Principal; Campus Technology	Agendas; list of events held; district/campus websites; technology training/sharing

		Status: Ongoing	Public School Week)	Committee; Parental Involvement Specialist	sessions
<b>OBJECTIVE 1.11:</b> The campus will provide incentives for use of new effective models, tools, and resources for teaching and learning.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.11.1:	As funds are available, provide incentives for students and teachers who use effective models, tools, and resources for teaching and learning with technology. Comments: • Hardware • Software • Master Technology Teacher certification • Technology training • Instructional Technology contests • National/State/Local contests • Technology conferences (TCEA, ESC1, etc.) • McAllen Education Foundation grants • Other grants	State: Original Status: Ongoing	Ongoing	Principal; Campus Technology Committee	Publish incentives and awards to teachers and students on campus websites; IT Newsletter: The Server; MITV, etc. Purchase orders; supportive documentation
<b>OBJECTIVE 1.12:</b> The campus will provide parents and other community members increased access to the infrastructure for educational resources.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.12.1:	Provide access to the Internet for parents in the library	State: Original Status: Ongoing	Ongoing	Principal; Librarian	Yearly Report
<b>EDUCATOR PREPARATION AND DEVELOPMENT</b>					
<b>GOAL 2:</b> To provide for training of educators in using technology to teach and learn and to use technology to provide equitable access to quality professional development.					

<b>OBJECTIVE 2.1:</b> Each campus will utilize the Instructional Technology department professional development services for campus (technology) staff.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.1.1:	Ensure that on-going professional development is attended by Campus Technology Facilitators, campus lab managers, Librarians, and Campus Technology Committee members.	State: Original  Status: Ongoing	Ongoing	Principal	Professional Development database; Records of attendance at technology conferences or training sessions
<b>OBJECTIVE 2.2:</b> 100% of campuses will be encouraged to provide opportunities, incentives, and support for educators to develop model practices in the integration of teaching, learning, and technology.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.2.1:	Recognize educators with articles about the highlights of their accomplishments on the district Web Pages, on MITV and in the Instructional Technology newsletter, The Server.	State: Original  Status: Ongoing	Ongoing	Principal; Campus Technology Committee	Information on the Campus Web Page, MITV, and The Server
<b>OBJECTIVE 2.3:</b> 100% of Instructional Staff will be provided professional development in integrating technology into teaching and learning, instructional management, and administration.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.3.1:	Encourage campus staff and administrators to attend professional development sessions in	State: Original	Ongoing	Principal; Campus Technology	ERO Transcripts; At least one administrator per campus will attend a technology conference and/or a

	integrating technology into teaching and learning, instructional management, and administration.	Status: Ongoing		Committee	technology leadership session. at least 100% of all teachers will have attended at least 2 hours of training each year.
<b>OBJECTIVE 2.4:</b> 100% of Instructional Staff will be provided training in data examination and analysis through technology to support sound decision-making.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.4.1:	Attend training for campus administrators in data examination (Dana Center)	State: Original  Status: Ongoing	Ongoing	Campus Administrators	ERO transcript
2.4.2:	Provide training for teachers in data examination (Dana Center).	State: Original  Status: Ongoing	Ongoing	Teachers	ERO transcript
<b>OBJECTIVE 2.5:</b> 100% of campuses will integrate planning for technology professional development into all classrooms, campus, and district planning.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.5.1:	Integrate technology planning to address educator preparation and development into each teacher's self-report form of the PDAS (professional development section).	State: Original  Status: Ongoing	Ongoing	Teachers	Teachers' Lesson Plans; Self- Reports on the PDAS
<b>OBJECTIVE 2.7:</b> Use a variety of professional development models including distributed, just-in-time professional development for all educators.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.7.1:	Offer a wide variety of multimedia materials (videotapes, CD's, DVD's, etc.) to provide instruction in technology integration and use of software for teachers.	State: Original	Ongoing	Librarian	Inventory records for McAllen ISD Media Library; Circulation records will show an annual increase.

		Status: Ongoing			
2.7.2:	Participate in distributed professional development in technology via on-line or distance learning (i.e. TSTAR, TETN, etc.). See 2.6	State: Original  Status: Planned	Ongoing	Campus Staff	Course listings; ERO database.
<b>ADMINISTRATION AND SUPPORT SERVICES</b>					
<b>GOAL 3: To integrate technology into all aspects of the school community, including instruction, instructional management, and administration, and to expand community access to information.</b>					
<b>OBJECTIVE 3.1: 100% of Instructional Staff will be encouraged to integrate technology into instructional management and administration.</b>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.1.1:	Maintain and support a district-wide grade book program.	State: Original  Status: Ongoing	Ongoing	Campus Technology Facilitator; Teachers	Computerized grade reporting at grades 2-5.
3.1.2:	Support grade reporting to the district mainframe. (Grades 2-5)	State: Original  Status: Ongoing	Ongoing	Teachers	VistaNet

<b>OBJECTIVE 3.2:</b> Initiate and implement policies regarding Acceptable Use Policies for MISD staff and students.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.2.1:	Enforce the District AUP (Acceptable Use Policy) that has been adopted by the school board.	State: Original  Status: Ongoing	Ongoing	Principal	Internet Agreement Forms on file at each campus; training for staff
3.2.2:	Maintain and update e-mail addresses for all staff and students to improve communication (eChalk/MS Outlook).	State: Original  Status: Ongoing	Ongoing	Principal; Campus Technology Facilitator	Updated email address list.
3.2.3:	Encourage students to utilize web-based e-mail for educational purposes.	State: Original  Status: Ongoing	Ongoing	Teachers; Principal; Campus Technology Committee	eChalk Statistics; list of activities
3.2.4:	Collect signed AUP forms from MISD staff, students, and others.	State: Original  Status: Ongoing	August/ongoing	Librarian	Signed forms
<b>OBJECTIVE 3.3:</b> Expand community access to school information through technology.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.3.1:	Expand the use of eChalk <ul style="list-style-type: none"> <li>▪ Prepare students for online learning through the use of discussions, surveys, homework drop box, student portfolios, and email</li> <li>▪ Ensure at least 90% of eChalk accounts are activated</li> <li>▪ Ensure a 20% increase in use of student email and total logins</li> <li>▪ Ensure at least 50% of teachers will post at least one work and event per month</li> </ul>	State: <b>New</b>  Status: Ongoing	Ongoing	Principal; Teachers; Campus Technology Committee	eChalk Statistics

	<ul style="list-style-type: none"> <li>All Parental Involvement Specialists will provide eChalk training for parents</li> </ul>				
<b>OBJECTIVE 3.4:</b> Establish policies to encourage expanded use of school facilities.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.4.1:	Open school facilities, as budgets permit, during afternoons hours to encourage the following: · Use of library media center · Use of computers · Use of computer labs · Use of tutoring	State: Original  Status: Ongoing	Ongoing	Principal; Librarian	Sign-in sheets to document attendance
<b>OBJECTIVE 3.5:</b> Increased coordination of school and community resources for technology.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.5.1:	Contact various representatives from the community to share technology expertise, consulting, and how they use technology in their jobs. i.e. Universities, Colleges, TV Stations, Radio Stations, IT professionals	State: Original  Status: Planned	Ongoing	Principal; Campus Technology Committee	Sign-in sheets, phone records, Teacher Lesson Plans, Community Presentations
<b>GOAL 4: To establish, maintain and update an infrastructure for technology throughout the campus.</b>					
<b>OBJECTIVE 4.1:</b> Meet the technology equipment targets for students adopted in the Long Range Plan for Technology of a workstation ratio of 4:1 for 2004-2005.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.1.1:	Determine the present student-to-workstation ratio.	State: Original  Status:	August	Campus Technology Committee	Inventory of computers and membership count

		Planned			
4.1.2:	Determine the workstation needs for each campus for meeting the required ratio of 3:1.	State: Original Status: Completed	August	Campus Technology Committee	Inventory of computers and membership count
4.1.3:	Develop a schedule and budget for purchase of new hardware and software.	State: Original Status: Ongoing	August	Principal; Campus Technology Committee	Schedule of items to be purchased; Budget
4.1.4:	Purchase hardware and software for classrooms. (Approval by district Technology Department required)	State: Original Status: Ongoing	Ongoing	Principal; Campus Technology Committee; Librarian, Campus Technology Facilitator	Purchase orders
<b>OBJECTIVE 4.2:</b> Investigate multiple financial arrangements for securing and maintaining workstations, infrastructure and other technologies.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.2.1:	Apply for campus/teacher technology grants as they become available.	State: Original Status: Ongoing	Ongoing	Grant Writer	Technology grants submitted for approval
<b>OBJECTIVE 4.3:</b> Increased access to appropriately configured workstations for students and staff in libraries, school offices, and in other work areas, ensuring accessibility for disabled students and staff.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.3.1:	Determine the number of computers available in each campus library and school office.	State: Original Status: Completed	May	Campus Technology Committee	Inventory of computers in library and school office
4.3.2:	Ensure accessibility for disabled students and staff.	State: Original Status: Ongoing	September	Director Special Education; Campus Technology Committee; Special Education Teacher	Responses to campus and other requests
4.3.3:	Prepare a plan to augment the availability of computers in the campus library and offices.	State: Original Status:	August	Campus Technology Committee	Campus Technology Plan

		Ongoing			
<b>OBJECTIVE 4.4:</b> 100% of all campuses will integrate planning for the district technology infrastructure into all classrooms, libraries, campus and district planning.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.4.1:	Address technology infrastructure.	State: Original  Status: Ongoing	Ongoing	Principal; SBSDM Team; Campus Technology Committee	Campus Improvement Plan; Report of recommendations
<b>OBJECTIVE 4.6:</b> Increased high speed access to the Internet for students and staff.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.6.1:	Develop a plan to implement network management tools.	State: Original  Status: Ongoing	Ongoing	Campus Technology Committee; Principal	Network Management Plan; Computer Associates
<b>OBJECTIVE 4.7:</b> Increase the number of partnerships with public and private entities.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.7.1:	Identify an additional Partner In Excellence or work with an existing Partner who can assist the campuses with the integration of technology into the curriculum.	State: Original  Status: Planned	Ongoing	Principal; Teachers; Campus Technology Committee	List of Partners In Excellence and summary of yearly activities
<b>OBJECTIVE 4.9:</b> 100% of Instructional Staff will be encouraged to participate in the comprehensive state technology system.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.9.1:	Publicize and provide training in utilization of library resource-sharing programs and initiatives such as interlibrary loan, online information databases and electronic reference materials.	State: Original  Status: Planned	Ongoing	Librarian	Usage records Grolier and United Streaming

<b>OBJECTIVE 4.10:</b> Design, install, and maintain a technology and telecommunications infrastructure for communications and service to ensure equitable access for all campuses and the community.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.10.1:	Support, maintain, and upgrade campus networks.	State: Original Status: Ongoing	Ongoing	Principal; Campus Technology Committee	Operational networks
<b>OBJECTIVE 4.11:</b> Replace or reposition obsolete technology and infrastructure on a scheduled basis to ensure maximum efficiency and use.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.11.1:	Maintain and update a list and location of all campus hardware so plans can be made to recycle or replace obsolete equipment.	State: Original Status: Ongoing	Ongoing	Campus Technology Facilitator	Campus Hardware Inventory
<b>OBJECTIVE 4.12:</b> Provide and maintain an infrastructure for communications with parents and community members, including access to school news, educational resources, data, and personnel.					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.12.1:	Implement software program for attendance, phone contacts, and for parents to access homework information and leave messages.	State: Original Status: Ongoing	Ongoing	Principal; Teachers	Campus email systems in place. e-Chalk content updated.
4.12.2:	Continue to post attendance and grading information from campus computers to Information Systems, via the Internet.	State:Original Status: Ongoing	Ongoing	Teachers	VistaNet system in place

## Evaluation

### **Evaluation Process:**

Evaluation of the Technology Plan will be a systematic ongoing process. All aspects of the Plan will be evaluated formally in May.

The Technology Plan Committee will be responsible for the ongoing evaluation of this plan. The intention of the evaluation will be to make decisions on the impact that technology has on the learning process for all students.

### **Evaluation Methods:**

Other methods used for evaluation will include:

- Texas Teacher STaR Chart; Campus STaR Chart
- Informal interviews conducted by the Campus Technology Committee
- Records of staff member participation in technology training.
- Integration of training into the classroom as measured by lesson plans and number and type of technology and distance learning projects.
- Monitoring and documentation of community access to technology resources and information on the campuses and on the web site.
- Monitoring and documentation of community involvement
- Yearly inventory of hardware and software
- Support and maintenance of technology as documented by technical support records

# Appendix

## Campus Average for Teacher STAAR Chart

**Campus Code:** 108906106

**Name:** HOUSTON ELEMENTARY

**Teachers Having Completed STAAR Charts:** 30 of 34

**Point Value: 1 = Early Tech, 2 = Developing Tech, 3 = Advanced Tech, 4 = Target Tech**

### I. Teaching and Learning

A: <a href="#">Teacher Use of Technology in Instruction</a>	B: <a href="#">Productive Use of Technology for Instructional Purposes</a>	C: <a href="#">Design of Instructional Setting for Student Use of Technology</a>	D: <a href="#">Content Area Connections</a>	E: <a href="#">Integration of Technology Applications TEKS</a>	F: <a href="#">Patterns of Student Use</a>
Developing	Developing	Developing	Advanced	Developing	Developing

**Score: 13  
(DEVELOPING)**

**Point Ranges:** 6-8 = Early; 9-14 = Developing; 15-20 = Advanced; 21-24 = Target

### II. Educator Preparation

G: <a href="#">Professional Development Experience</a>	H: <a href="#">Technology Capabilities</a>	I: <a href="#">Technology Leadership Mentoring and Modeling</a>	J: <a href="#">Continuum of Professional Development Models</a>	K: <a href="#">Levels of Understanding</a>	L: <a href="#">Technology Professional Development</a>
Advanced	Developing	Developing	Developing	Advanced	Developing

**Score: 14  
(DEVELOPING)**

**Point Ranges:** 6-8 = Early; 9-14 = Developing; 15-20 = Advanced; 21-24 = Target

### III. Administration and Support

M: <a href="#">Technology Vision and Planning</a>	N: <a href="#">Technical Support</a>	O: <a href="#">Instructional Technology Resources (Staff/Online)</a>	P: <a href="#">Budget</a>	Q: <a href="#">Classroom Technology</a>
Developing	Advanced	Advanced	Developing	Advanced

**Score: 13  
(ADVANCED)**

**Point Ranges:** 5-7 = Early; 8-12 = Developing; 13-17 = Advanced; 18-20 = Target

### IV. Infrastructure for Technology

R: <a href="#">Students per Computer in Classroom</a>	S: <a href="#">Internet Access Connectivity/Speed in the Classroom</a>	T: <a href="#">Distance Learning Opportunities</a>	U: <a href="#">LAN/WAN Access</a>	V: <a href="#">Other Technologies</a>
Developing	Advanced	Advanced	Advanced	Advanced

**Score: 14  
(ADVANCED)**

**Point Ranges:** 5-7 = Early; 8-12 = Developing; 13-17 = Advanced; 18-20 = Target

## Campus STaR Chart

**Campus Code:** 108906106      **Principal:** connie maheshwari  
**Name:** HOUSTON ELEMENTARY      **School Year:** 2005  
**Date Completed:** 12/5/2005

**Point Value: 1 = Early Tech, 2 = Developing Tech, 3 = Advanced Tech, 4 = Target Tech**

### I. Teaching and Learning

A: <a href="#">The Impact of Technology on Teacher Role and Collaborative Learning</a>	B: <a href="#">Patterns of Teacher Use</a>	C: <a href="#">Frequency/Design of Instructional Setting Using Digital Content</a>	D: <a href="#">Curriculum Areas</a>	E: <a href="#">Technology Applications TEKS Assessment</a>	F: <a href="#">Patterns of Student Use</a>
Developing	Developing	Developing	Developing	Early	Developing

**Score: 11 (DEVELOPING)** Point Ranges: 6-8 = Early; 9-14 = Developing; 15-20 = Advanced; 21-24 = Target

### II. Educator Preparation

G: <a href="#">Content of Training</a>	H: <a href="#">Capability of Educators</a>	I: <a href="#">Leadership and Capabilities of Administrators</a>	J: <a href="#">Models of Professional Development</a>	K: <a href="#">Levels of Understanding and Patterns of Use</a>	L: <a href="#">Technology Budget Allocated to Technology Professional Development</a>
Developing	Advanced	Developing	Developing	Developing	Developing

**Score: 13 (DEVELOPING)** Point Ranges: 6-8 = Early; 9-14 = Developing; 15-20 = Advanced; 21-24 = Target

### III. Administration and Support

M: <a href="#">Vision and Planning</a>	N: <a href="#">Technical Support</a>	O: <a href="#">Instructional and Administrative Staffing</a>	P: <a href="#">Budget</a>	Q: <a href="#">Funding</a>
Advanced	Advanced	Developing	Developing	Developing

**Score: 12 (DEVELOPING)** Point Ranges: 5-7 = Early; 8-12 = Developing; 13-17 = Advanced; 18-20 = Target

### IV. Infrastructure for Technology

R: <a href="#">Students per Computer</a>	S: <a href="#">Internet Access Connectivity/Speed</a>	T: <a href="#">Distance Learning</a>	U: <a href="#">LAN/WAN</a>	V: <a href="#">Other Technologies</a>
Advanced	Advanced	Early	Advanced	Developing

**Score: 12 (DEVELOPING)** Point Ranges: 5-7 = Early; 8-12 = Developing; 13-17 = Advanced; 18-20 = Target