



Texas Education Agency

2009 Technology Plan Approval Certificate

The Texas Education Agency is certified by the Schools and Libraries Division (SLD) to approve technology plans for participation in the Schools and Libraries Universal Service Program.

Harper ISD (086902)

has a technology plan that has met the standards and criteria outlined by the SLD. This approval is effective for 1 years.

This plan was approved on March 13, 2009.

This plan has an expiration date of June 30, 2010.

A handwritten signature in blue ink, appearing to read "Anita Givens".

Anita Givens
Deputy Associate Commissioner
Standards and Alignment



Harper ISD Technology Plan

2009 - 2010

Pari Whitten

Superintendent

DISTRICT PROFILE

ESC Region 13
City, State Zip Harper, TX 786310068
Phone (830) 864-4044
Fax (830) 864-4060
County District Number 086902

Number of Campuses	3
Total Student Enrollment	615
District Size	500 - 999
Percent Econ. Disadvantaged	33.40%

Technology Expenditures	\$76,804.00
Technology budgets reported in plan by category	Teaching and Learning Budget \$20,440.50 Educator Preparation and Development Budget \$7,400.00 Leadership, Administration and Support Budget \$13,136.50 Infrastructure for Technology Budget \$35,827.00 Total: \$76,804.00
Technology Expenditure Per Pupil	\$124.88
Number of Campuses with Direct Connection to Internet	3
Percentage of Campuses with Direct Connection to Internet	100.00%
Number of Classrooms with Direct Connection to Internet	43
Percentage of Classrooms with Direct Connection to Internet	100.00%
Computer/Student Ratio	2 student(s) for every computer
Computer/Teacher Ratio	1 teacher(s) for every computer
Number of campuses that need to complete the Texas Campus STaR Chart	3
Percentage of campuses that have completed the Texas Campus STaR Chart	100.00 %

Plan Introduction

Plan Last Edited 01/20/2009

Plan status:	approved
Years Included in the Plan:	2009 - 2010
Number of years covered by the plan:	1
Years Approved for the Plan:	2009 - 2010
Number of approved years:	1

Technology Planning Committee

William Long, Chris Stevenson, Jay Harper, Darla Barker, Leigh Lake, Joann Rangel, Martha Stevens, Bonnie Stewart, and Doug Townsend.

Executive Summary

The Harper ISD Technology Plan was developed and is annually updated by members of the Technology Task Force committee. During the meetings input is solicited regarding the current and future instructional and technological needs of Harper ISD. The prime objective is to improve student academic achievement, employee development and community enhancement.

This technology plan encompasses a vision backed by methods and resources to lead HISD staff and students into a dynamic technology future. This plan will guide HISD into the planning of technology curriculum in the elementary and secondary schools to prepare students for an ever-changing technological world, and to prepare the staff to incorporate this changing technology into their lesson plans. Also, the plan encourages strong community ties to further advance HISD and community technology. The plan reflects the Texas Essential Knowledge and Skills (TEKS) adopted by the State Board of Education and the Texas Long-Range Plan for Technology assisted by feedback from the Texas StarChart assessment system.

Needs Assessment

Assessment Process:

A comprehensive needs assessment utilizing teacher/student surveys, interviews, inventories and the Texas Campus STaR Chart was conducted to analyze the current status of technology in the district and determine future needs. Items analyzed included: infrastructure, hardware, software, programs, courses, student achievement, technology resources, staff development, and technical support. Findings from this needs analysis are as follows.

Existing Conditions:

The following technology is currently in place:

District-Wide

Current District phone system maintained by contract.

11 Windows 2003 servers, 3 Win2k Servers, 2 VMWare Servers, 1 Linux Server, 312 PC's(Win2k/XP/Vista). Microsoft Office 2000/2003/2007 and anti-virus throughout, gradebook and student accounting for staff, Web and specialty software in labs where appropriate. Internet content and Spam filtering services are through Region ESC 13 and LightSpeed TTC server.

- Direct connection to the Internet via 2-T1 leased lines to ESC13
- District web servers in place providing district information and student work.
- District file servers in place providing Internet filtering, electronic mail, anti-virus protection (file an electronic mail), internal messaging system, grade book software (Gradespeed©), student & business administrative software (RSCCC2K©), DNS services, DHCP services, website hosting services and print services
- Written policies in place on acceptable use of the Internet, World Wide Web content and network management
- Distance learning lab available for students, staff, and community members.

Harper ISD K-12 Campus

- 100meg duplex Ethernet-to-the-desktop connecting to 312 computer systems District Wide
- One Elementary labs with 40 computer systems
- Three laptop carts with a minimum of 24 laptops each
- One BCIS lab with 21 systems
- One Newspaper/Transitions Lab w/ 26 systems
- One High School Library with 15 systems
- One EL/MS Library with 7 systems
- One content mastery classroom (SpED)with 3 systems
- One Web Mastery Lab with 19 Systems
- 16 computer projectors (teacher/classroom check-outs)
- Software is provided by the district for advanced technology classes, including desktop publishing, advanced word processing, web mastering, content enforcement and research
- Networked online card catalog (Atrium©), Internet access, Texas Library Connection, and automated checkout in the library
- At least two network drops & computers in every classroom
- Computer projectors in the library for classroom checkout
- High school classes have access to mobile computer labs and Library computer resources
- Middle school classes have access to mobile computer labs and Library computer resources
- Elementary classes have access to a 40 system lab, mobile computer cart systems and Library computer resources

Technology Needs:

After reviewing the responses to the Texas Star Chart surveys, Harper ISD is currently still in the developing stage of Teaching & Learning and Educator Preparation and Development, Harper ISD is now in the Developing stage of Administration and Support Services and Infrastructure for Technology. Upon completion of the review it was found that teachers are in need of more training in the use and instruction of technology.

Harper ISD needs to focus on training teachers to use a facilitator approach to teaching students to use technology to create communities of inquiry within their own community. Also, emphasis needs to be placed on teachers using technology for research, lesson planning, multimedia and graphical presentations, and to correspond with experts, peers, and parents.

In addition, regular technology use needs to be integrated into curriculum activities in various settings (computer labs, library, and cart systems). A focus needs to be placed on integrating technology into TEKS, TAKS, and other foundation subject areas across the subject and grade levels campus-wide. The elementary levels need to add most, if not all, technology applications TEKS into the curriculum. Students will work with peers and experts instructors, teachers and outside staff) to evaluate information, analyze data and content to problem solve. Students need to be able to use

appropriate technology to convey knowledge and skills they have learned.

While Harper ISD teachers use technology for administrative tasks and classroom management, teachers need to use technology for teaching and learning and to use online resources to enrich instruction. The teachers are currently working hard to meet at least 60% of SBEC's proficiencies and implement into classroom standards. Harper ISD currently recognizes and identifies exemplary use of technology in instruction, and will start to ensure integration of appropriate technologies to maximize learning and teaching in the future. Harper ISD has always put professional development at the forefront of a teacher's continuing education and training and as such technology development will always be a long-term and ongoing standard. Harper ISD is currently moving forward with the level of understanding and pattern of use that teachers are displaying from an adaptation stage

to an appropriation stage. To facilitate this goal, Harper ISD is moving toward budgeting at least 25% of the technology budget for technology professional development. Harper ISD is now budgeting 100% of Title II, Part D funds to staff development.

Harper ISD administration has been making strides to improve and keep up-to-date technologies for staff and students.

The administration is actively working with the technology staff to update the technology plan. Administration sees the need for the plan to be collaboratively developed and the guiding policy and practices are updated annually. The administration actively uses technology in all aspects of planning and decision making. Currently, Harper ISD employs 1 technical staff member for the entire school district. The staff member / Technology Director is responsible for 312 computers systems, 18 servers, 16 data projectors, 30+ printers, digital cameras, and numerous other technology devices. Technology staff is able to use remote management software tools on most systems. Response times are at 8+ hours depending on type of problem and location. The campus budget is adequate for hardware and software purchases, professional development, staffing support and ongoing costs. Projected year has the technology allotment with E-Rate discounts applied to the technology budget and is locally supplemented through tax dollars. There is a need for a full time technology administrator and extra staff for the technology that is developing in this District.

Harper ISD has been fortunate to a recipient of numerous TIF grants. These grants helped to create a high-speed backbone on which to build a powerful network. The network is currently running at 100MB duplex switched to the workstations and 1GB Fiber from all buildings to the MDF. This network will be used to distribute on-demand access to the Internet, multimedia, video-streaming, distance learning (currently only available in one classroom and more is needed), web-based content, and applications to the student body and staff of the entire district.

More online or web-based content for learning is needed for the continued success of the Harper ISD students. While technology equipment is available for teacher use, more training for teachers is required to enable them to fully utilize the technology equipment for student instruction and curriculum enhancement.

Goals, Objectives, and Strategies

GOAL 1: Harper ISD students will be prepared to live and work in a technologically advancing world.					
OBJECTIVE 1.1:					
<p>Students will demonstrate competent use of computer applications by acquiring and applying technological knowledge, ethics and skills within the curriculum.</p> <p><i>Budget Amount \$18,540.50</i> <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 01, 02</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.1.1:	A scope and sequence has been developed for keyboarding for grades K-5. LEA LRPT Correlates:	State: Revised Status: Completed	2004-2007	Certified Teachers, Administration	TA TAKS, teacher evaluation and StarChart assessment
1.1.2:	A scope and sequence is in development for Technology Applications for grades K-5. LEA LRPT Correlates: TL05, TL06	State: Original Status: In Progress	2007 - continuous	Certified Teachers, Administration	TA TAKS, Teacher evaluation of completed six weeks lesson plans and use of Texas StarChart to evaluate progress of teacher learning.
1.1.3:	Continual updating and revising of the scope and sequence for Technology Applications for grades 6-12. Included in the scope and sequence are BCIS I and II, Web mastering, Office Technology and programming. LEA LRPT Correlates: TL02, TL05, TL06	State: Original Status: In Progress	2007 - Continual	Certified Teachers, Administration and Technology Director	TA TAKS, Teacher & Student evaluations and StarChart assessments
1.1.4:	Harper ISD is currently participating in a 3-year Social Studies grant that incorporates a technology enhanced curriculum along with teacher mentoring. LEA LRPT Correlates:	State: Revised Status: Completed	2004-2007	Certified Teachers, Administration and Technology department.	TA TAKS, TEKS, Teacher evaluation, Target grant summative evaluation and StarChart assessment. New Social studies lesson plans that incorporate the use of computers and digital content to enhance instruction.
1.1.5:	Students will learn to use technology and the internet for assistance in research and presentation projects assigned by teachers and for scholarship applications. LEA LRPT Correlates: TL05	State: Original Status: Planned	2007-continuous	Teachers, technology director	Student projects
OBJECTIVE 1.2:					
<p>Harper ISD will actively encourage participation from parents, business persons and other community members in decision making regarding technology. Harper ISD will use such tools as the school newspaper, website and public meets to help in disseminating information to the community at large.</p> <p><i>Budget Amount \$400.00</i> <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 09, 10</p>					

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.2.1:	The community will have access to the district's technological resources to acquire knowledge and provide support. LEA LRPT Correlates: LAS13, TL15	State: Revised Status: In Progress	2006-2010	Technology Director and Principals	Sign-in sheet at library and parent survey.
<p>OBJECTIVE 1.3:</p> <p>Harper ISD will utilized the Distance learning labs to expose students and staff to learning not available through traditional classroom settings</p> <p><i>Budget Amount \$1,500.00</i> <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER01, ER02 NCLB Correlates: 01, 02, 03, 04b, 08</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.3.1:	Promote use of distant learning labs through partnership with Region 13. LEA LRPT Correlates: EP06, EP08, LAS08, LAS15, TL08, TL09, TL12, TL13	State: Original Status: In Progress	2006-Continous	Teachers, Administrative Staff	Increased usage of distant learning resources scheduled through Region 13

GOAL 2: Harper ISD staff and faculty will have access to modern computer technology and integrate instructional strategies into the curriculum.

OBJECTIVE 2.1:

Staff and faculty will be provided with sustained professional development opportunities on current software and hardware applications.

Budget Amount \$4,900.00

LRPT category: Educator Preparation and Development

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 03, 04a, 04b, 07, 08

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
<p>2.1.1: Teachers receive yearly training on Children's Internet Protection Act (CIPA), Internet best practices, and copyright infringement. This training involves the dissemination of materials that give links and information on each subject. Children's Internet Protection Act (CIPA) training involves teachers learning of the filtering and blocking systems in place to protect students. The training covers how teachers are to constantly observe and monitor students when using the Internet for educational purposes. Teachers learn how to keep students from access inappropriate matter on the Internet, teach students to not disclose any personal information on the Internet, e-mail, chat rooms, blogs and any other type of direct communications via the Internet. Also covered, is how to check student activities on the computer in various ways. Internet best practices' training involves teachers in the use of proper etiquette and educational use of Internet uses in the classroom. Copyright infringement training shows teachers how to use Internet resources legally and how detect infringement issues with students work.</p> <p>LEA LRPT Correlates: LAS06, TL14</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>August 2005 - Continuous</p>	<p>Certified Teachers, Technology Director & Staff</p>	<p>Training Surveys, StarChart assessment system</p>
<p>2.1.2: Harper ISD is currently participating in a 3-year Social Studies grant that incorporates a technology enhanced curriculum along with teacher mentoring. The first year of the grant will focus on 6th grade teachers of Social Studies. The second year of the grant will focus on the 7th grade teachers of Social Studies. The 7th grade teachers will be mentored by the previous year's master teacher in other content areas with a focus on Social Studies. The 3rd and final year of the grant will focus on the 8th grade teachers of Social Studies. The 8th grade teachers will be mentored by the previous year's master teachers in other content areas with a focus on Social Studies.</p> <p>LEA LRPT Correlates:</p>	<p>State: Revised</p> <p>Status: Completed</p>	<p>2003-2006</p>	<p>6th, 7th, & 8th grade social studies teachers, administrators</p>	<p>TARGET grant summative evaluation, TEKS alignment and StarChart assessment</p>
<p>2.1.3: Teachers will complete and submit STaR Chart yearly to gauge progress towards mastery of Technology Applications Educator Standards I-V</p> <p>LEA LRPT Correlates: EP05, TL04</p>	<p>State: Original</p> <p>Status: Planned</p>	<p>2007-Continuous</p>	<p>Technology Director</p>	<p>StaR Chart completion</p>

GOAL 3: All teachers at Harper ISD will be technologically literate and able to teach with technology.				
OBJECTIVE 3.1:				
All staff and faculty will use modern technology in teaching and in maintaining their administrative duties.				
<i>Budget Amount \$11,636.50</i>				
<i>LRPT category: Leadership, Administration and Support</i>				
E-Rate Correlates: ER01, ER02				
NCLB Correlates: 03, 07, 11				
<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.1.1: Teachers will use GradeSpeed.NET to record electronically their grade book and attendance records. Comments: By moving to an electronic grading and attendance system, teacher will be exposed to more technology and be able to provide timely information to administration, students and parents. LEA LRPT Correlates: I08, LAS11	State: Revised Status: In Progress	2008-2010	Principals, Administration and Technology Director	This program has been in place since 2004 and teachers are annually updated on all modules and components.
3.1.2: Teachers will incorporate grade level TA TEKS in their curriculum and comply with SBEC standards for technology. LEA LRPT Correlates: EP04, EP05, EP07, LAS01, LAS12, TL01, TL02, TL03, TL06	State: Revised Status: In Progress	2007-2010	Certified teachers, administration, curriculum coordinator	Principal evaluations and curriculum coordinator observations. Star Chart results
3.1.3: Teacher will be equiped and trained to use Interwrite boards and projectors to aid in teaching and allow students the opportunity to actively participate in lessons. LEA LRPT Correlates: EP01, EP03, I09, LAS01, LAS03, LAS10, TL08	State: Original Status: In Progress	2007-2010	Technology Director	Star Chart
3.1.4: Harper ISD will install and maintain a Video On Demand Safari server that will allow teacher to incorporate videos and clips into their lessons. Providing additional content reinforcement to students as needed. LEA LRPT Correlates: TL01, TL08	State: Original Status: In Progress	2007-2010	Technology Director Campus Principals	Lesson Plans PDAS
3.1.5: Harper ISD will install 24 'Writer' instruction units in a mobile lab setting. Freeing up the current mobile laptop lab to be used in other classes as needed. LEA LRPT Correlates: I04, I05, I09	State: Original Status: In Progress	2008-2010	Technology Director MS Typing Teacher	Lesson Plans
OBJECTIVE 3.2:				
Teachers will be provided the opportunity to attend training on applications that will benefit technology integration and promote use in the classroom.				
<i>Budget Amount \$2,500.00</i>				
<i>LRPT category: Educator Preparation and Development</i>				

E-Rate Correlates: ER01, ER02
 NCLB Correlates: 04a, 04b, 07

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.2.1:	<p>Teacher training classes will be based upon feedback recieved from PDAS teacher reviews, surveys of teachers and administrative recommendations.</p> <p>LEA LRPT Correlates: EP01, EP02, EP03, EP05, EP06, EP08, EP09, LAS03, LAS06, TL16</p>	<p>State: Original</p> <p>Status: Planned</p>	2007-Continous	Technology Director, Administrative Personnel, Teachers	PDAS domain 2 assesment, Star Chart data, Surveys

GOAL 4: Harper ISD will provide all students and staff with access to modern technology.				
OBJECTIVE 4.1:				
All students and teachers will be provided with training and access to modern technology, software and peripheral devices.				
<i>Budget Amount \$35,827.00</i>				
<i>LRPT category: Infrastructure for Technology</i>				
E-Rate Correlates: ER01				
NCLB Correlates: 03, 04b, 05, 06, 08, 12				
<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.1.1: The district will upgrade and maintain a Windows operating system on all computers within a Windows Network. LEA LRPT Correlates: I07	State: Revised Status: Planned	2006-2010	Technology Director, Administration, School Board	Annual inventory
4.1.2: Equip new elementary classrooms with 2 drops per room along with one Internet ready computer. LEA LRPT Correlates: I01	State: Original Status: Completed	2007-2008	Technology Coordinator, Administration, School Board	Annual inventory
4.1.3: Maintain and upgrade all peripheral devices and network printers. LEA LRPT Correlates:	State: Revised Status: In Progress	2007-2010	Technology Director, Administration, School Board	Annual inventory
4.1.4: Add a 24 computer mobile laptop lab for the elementary campus. And new Distance Learning Station for elementary campus. LEA LRPT Correlates: I01, I04, I05, TL01, TL08, TL09, TL12, TL13	State: Original Status: Planned	2007-2010	Technology Director, Administration, School Board	Annual Inventory
4.1.5: Replace older student workstations on campus due to age and maintenance costs. The current systems are aged over 4 years. LEA LRPT Correlates: I07	State: Original Status: In Progress	2007-2010	Administration and Technology Director	Teacher surveys, on-site evaluation of systems.
4.1.6: Upgrade aged network infrastructure backbone switches, core switches, firewall and routers. One new fiber drop is required in the middle school workroom. LEA LRPT Correlates: I01, I04, I06	State: Original Status: Planned	2009-2010	Technology Director	Site surveys
4.1.7: Harper ISD will purchase, install and support new library automation software to replace aging system. This software will be available for any student or staff member to use on any computer in the district. Also Harper ISD will provide a link on webpage for external access. LEA LRPT Correlates: I02, I03, I05, LAS09, TL10, TL11	State: Original Status: In Progress	2007-2010	Tech Director, librarians	purchase orders
4.1.8: Harper ISD will encourage a partnerships with local library and school libraries to provide students with additional technical resources outside of normal school hours. LEA LRPT Correlates: I02, I03	State: Original Status: Planned	2007-2010	Technology Director, School Library Staff, local library	local and school library

4.1.9:	Teachers will be provided training in benchmarking software to gauge student knowledge in core areas of study. LEA LRPT Correlates: TL07	State: Original Status: Planned	2007-continuous	Technology Director, Curriculum coordinator	documentation
4.1.10:	Harper ISD will investigate options and install a seamless wireless network accross all campuses to allow HISD student to use laptop labs anywhere on campuses LEA LRPT Correlates: I01	State: Original Status: In Progress	2008-2010	Technology Director	Seamless Wireless Network Installation

OBJECTIVE 4.2:

Harper ISD's administration will provide support, policies, and guidance to ensure sound decision-making and continual assessment of effective technology for improving student learning

Budget Amount \$1,500.00

LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01, ER02

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

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>	
4.2.1:	Technology Committee will meet as needed to conduct needs assessments, consider options for providing the best available technologies for students, faculty, and parents and to develop the technology budget. LEA LRPT Correlates: LAS01, LAS02, LAS03, LAS04, LAS05, LAS07, LAS08, TL10	State: Original Status: Planned	2007-continuios	Superintendant, Technology Director	minutes of meetings
4.2.2:	Harper ISD will develop, review and/or modify buisness continuity plans to ensure timely recovery if needed. LEA LRPT Correlates: LAS14	State: Original Status: Planned	2007-continuous	technology Director	written procedures

Budget

Total amount of Title II, Part D formula funds received for the current year of this plan: \$1,300.00

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

Budget year 2009		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$1,800.00	Title II, Part A - shared services via Region ESC XIII
Telecommunications & Internet Access	\$19,940.00	Erate reimbursement
Materials & Supplies	\$4,145.00	Rural Education Achievement Program, US Dept. of Ed.
Equipment	\$35,000.00	Rural Education Achievement Program, US Dept. of Ed.
Maintenance	\$6,933.00	General Fund
Miscellaneous Expenses	\$8,986.00	General Fund
Total	\$76,804.00	

Evaluation

Evaluation Process:

The Technology Task Force Committee will meet 2 times a year to evaluate and update the Technology Plan. The findings will be distributed and collaborated via email.

Evaluation Method:

Harper ISD will use student and teacher surveys, teacher interviews, administrative observations to evaluate the use of technology and it's integration into the curriculum. Encourage the use of SLEEK (TAKS assessment) software to identify areas of instruction that need to address by the teachers and students. Schedule weekly lab time for all students to ensure contact and exposure to the state academic standards.

Harper 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.