

MIDLAND ISD Technology Plan

2010 - 2013

SYLVESTER PEREZ

SUPERINTENDENT

DISTRICT PROFILE

ESC Region 18
City, State Zip MIDLAND, TX 79701-5017
Phone (432) 689-1000
Fax (432) 689-1976
County District Number 165901

Number of Campuses	36
Total Student Enrollment	21191
District Size	10,000 - 24,999
Percent Econ. Disadvantaged	53.39%

Technology Expenditures	\$4,205,361.00
Technology budgets reported in plan by category	Teaching and Learning Budget \$1,303,661.91 Educator Preparation and Development Budget \$841,072.20 Leadership, Administration and Support Budget \$378,482.49 Infrastructure for Technology Budget \$1,682,144.40 Total: \$4,205,361.00
Technology Expenditure Per Pupil	\$198.45
Number of Campuses with Direct Connection to Internet	36
Percentage of Campuses with Direct Connection to Internet	100.00%
Number of Classrooms with Direct Connection to Internet	1483
Percentage of Classrooms with Direct Connection to Internet	100.00%
Computer/Student Ratio	5 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	36
Percentage of campuses that have completed the Texas Campus STaR Chart	100.00 %

Plan Introduction

Plan Last Edited 03/11/2010

Plan status:	not submitted
Years Included in the Plan:	2010 - 2013
Number of years covered by the plan:	3

Technology Planning Committee

Dr. Sylvester Perez - Superintendent
 Sylvia Garza - Assistant Superintendent
 Thomas Holly - Executive Director of Technology
 Linda Jolly - Executive Director of Instructional Services and Federal Programs
 Elise Kail - Executive Director of Accountability/PEIMS & Research
 Dennis Sever - VP, Information Technology & Facilities, Midland College
 Ryan Brown - Senior Network Administrator
 James Hawk - Technology Customer Support Supervisor
 Dennis Haynie - Instructional Technology Supervisor
 Trina Springer - Technology Teacher Trainer
 Scott Vincent - Technology Teacher Trainer
 Vaughny Taylor - Facility Control & Compliance Services Supervisor
 Joanna Rowley - Junior High Principal
 Jeff Horner - High School Principal
 Yolanda Hernandez - High School Teacher
 Becky Gage - Elementary Teacher
 Laurie Sherrod - Elementary Magnet Program Coordinator
 Bri Talley - Junior High Teacher
 Lyndsay Hansen - Elementary Technology Specialist
 Stacey Spicer - Elementary Teacher
 Lee Ann Porter - Teacher and Chairman of Teacher Communication Committee

Executive Summary

Midland Independent School District began working on a new Long-Range Plan for Technology during the 2002-2003 school year. A technology planning committee was formed that included teachers, campus and district administrators, technology support staff, and members of higher education. Assistance was requested from our local Region XVIII Education Service Center.

The Midland ISD LRPT or ePlan is aligned with the Texas Education Agency's Long-Range Plan for Technology, the Technology Applications Texas Essential Knowledge and Skills (TA TEKS), the Texas School Technology and

Readiness (STaR) Chart, the District Improvement Plan, and the objectives stated by our Board of Trustees in its goal that the District "will meet or exceed the technology standards of the education community." The committee sought to create a long-range plan in support of the educational mission and instructional goals of Midland ISD that included:

- a vision,
- goals, objectives, and strategies,
- persons responsible, funding, and a time line for implementation, and
- an assessment process to allow ongoing evaluation and updating of the plan.

Our vision is to provide current and appropriate technology, training, and facilities that are efficient, resourceful, and economically feasible so Midland ISD faculty, staff, and students will be successful users of technology.

Our goals are:

- to provide students the opportunity to gain the knowledge and skills acquired through technology use to be successful in school and the workforce,
- to provide technology and opportunities for faculty and staff to develop or improve technology skills resulting in technology integration in all aspects of instruction and job performance,
- to provide leadership and supporting resources to ensure successful and effective uses of technology, and
- to provide an infrastructure that will enable students, educators, and support staff to effectively and safely use technology.

This plan was approved by the Texas Education Agency for 2007-2010 and reviewed annually. The plan for 2010-2013 is a further update of the original plan to ensure it remains aligned with federal, state, and local requirements for technology in education. It will be taken to the MISD Board Technology Committee and to the full Board for local approval, submitted to the Region XVIII Education Service Center for peer review, and then to TEA for final approval.

Midland ISD has prepared this Long-Range Technology Plan to articulate a common vision for technology in the district and identify the strategies that will help us use advanced technology in conjunction with rigorous curriculum standards to improve the academic achievement, including technology literacy, of all students. We also want to develop 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.

This Long-Range Technology Plan is driven by the state curriculum standards, by the No Child Left Behind Act of 2001, and by E-Rate requirements. 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 Local Education Agencies 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 Technology Applications Standards for Beginning Teachers.

Needs Assessment

Assessment Process:

In 2002 the District began a technology planning process that is ongoing. The recommendations made by the committee are updated and included in this plan. The committee reviewed local, state, and national documents such as the MISD Board's objectives, MISD District Improvement Plan, inventory reports, requests from staff, school site meetings, TA TEKS, TEA LRPT, STaR Chart, SBEC Standards for teachers, E-Rate and NCLB requirements.

Inventory

Our current inventory shows over 7,000 networked computers. Reports are run on a regular basis using a software package that detects networked computers. Reports are run at the end of the budget year to determine changes within the budget year, but also periodically throughout the year as a monitoring tool. District technicians are responsible for maintaining a physical inventory of computers, whether networked or not, and assisting in the inventory addition or deletion of computers at the campuses. Computers have been purchased with Technology Allotment, local, TIF, Title, grant and other funds, or have been donated by the campus's local Partner in Education or Parent Teacher Association. A software inventory is used to ensure that only district approved software is installed on network computers. A software approval form is used to assure all software is compatible with district hardware and that the software successfully addresses student needs. A technology purchasing application allows departments/campuses to purchase technology hardware and software that is pre-approved for compatibility and effectiveness.

Existing Conditions:

Funding from grants and other sources varies from campus to campus. Some campuses receive federal Title I funding while others do not. A variable amount of funding, combined with site-based management of technology, results in varying amounts of technology purchases and implementation across the district. In the spring of 2008, the board approved funds to upgrade the network infrastructure of the district, in conjunction with an E-rate application being filed. By May, 2010, due to ongoing E-rate based construction projects, 4 administrative sites and 19 campuses will have been completely overhauled, and 5 campuses partially overhauled. Our intention is to continue increasing the capabilities of the network and to establish a consistent infrastructure as funding allows.

The following technology is currently in place district-wide:

- Direct connection to the Internet via leased fiber lines
- At least one network drop in every room and office for connectivity
- Internet filtering equipment and firewall. Internet content devices are in place to filter from a master database. New sites are added to the database daily, and automatically download to the database every night to keep up with the rapid evolution of the internet. The district makes every effort to block inappropriate content from minors and adults. Teachers may submit written requests to unblock sites that are content related. The district may add further equipment to block inappropriate content based on pattern recognition, not relying solely on the current website database, to further enhance student protection.
- Local Area Networks at each building that form the district Wide Area Network
- Secured wireless access points at administration and campuses, currently being expanded
- Equipment for centralized backup of data on campus servers becoming centralized
- Blade Server Farm and Storage Area Network implementation
- Direct connection to Region XX for data processing requirements
- Internet connectivity to Region XVIII for free administration of email accounts
- Email accounts for each staff member
- Shared online calendar for all staff
- Capability to collaborate on documents online for all staff
- District web and SQL servers in place providing information
- Written policy in place for acceptable use of the Internet and district computers
- Distance learning lab with connectivity to Region XVIII in place for use by students and staff
- Satellite receiver used for district training and information
- Networked online card catalog and automated checkout in the library at each campus
- Four Technology Applications courses are offered
- Centralized grade reporting server with electronic submission of grades
- Parental access to their children's grades online
- Online access to bus routes and ability to pay for school lunches
- Online employment applications and substitute requests
- Online attendance reporting implemented at all campuses.
- Calling system provides recorded messages from campuses or departments to parents
- All teachers, campuses, and district departments have a web presence
- Data disaggregating software used to improve student achievement
- Streaming video clips available for presentations
- Anti-virus software
- High school and college credit courses offered at the Advanced Technology Center, a facility shared with Midland College
- Interactive white boards used in the majority of classes
- Online curriculum used in core curriculum areas
- Assistive Technology software available at all campuses
- Public address system in all classrooms with connectivity to campus office

- Telephone systems at each location with Plexar features to transfer calls, hunt the next available line, etc.
- Multiple software packages for student learning
- Intranet staff development management system
- Online survey and form creation software
- Podcasting server
- Blog management system
- Assignment posting for student access on web
- Access to use eAlerts for communicating web presence changes to parents
- Online classes for students
- Intranet management system for online technology purchases

General Overview of Technology Areas/Departments

At the district level, the Director of Technology and Information Management serves as the project manager for technology implementation, submits E-Rate paperwork, and chairs the Long-Range Plan for Technology Committee. Technology and Information Management staff and their responsibilities are described below.

Instructional Technology

1 Instructional Technology Supervisor and 3 Teacher Trainers

Present district- and site-based technology workshops, provide training for teachers, administrators, and support staff, and provide technology support to campuses

Mainframe Interface

1 Supervisor and 5 Applications/Data Analysts

Interface between local users, outside programming needs for instructional programs and mainframe applications for student grades, attendance accounting, all personnel and student information and business applications

Network

1 Senior Network Administrator, 1 Network Administrator, and 2 Server Administrators

Design and maintain the WAN, and install/maintain servers and applications. 3 call center techs, and 15 PC techs support students, teachers, and staff and install and maintain workstations, troubleshoot the network and software, both remotely and on-site at the administration buildings and campuses.

Student Records

2.5 Clerks

Archive and maintain student records; handle records requests

Network Printing / Phone system clerk

1 Clerk

Coordinates use of distance learning and all portable audio/media needs; completes all work orders for telephone system in the administration building (such as voice mail requests and troubleshooting).

Instruction in Technology Applications courses is offered by teachers at the secondary campuses, as well as the Advanced Technology Center, a facility shared by the District and Midland College. At the high school level, Computer Science I and II, Computer Science III or Multimedia, and Desktop Publishing are offered. At the junior high level, the Computer Literacy requirement is being met by offering an integrated approach to eighth graders that incorporates projects in the curriculum areas being studied. At the elementary level, the Technology Applications TEKS are being addressed in lab and classroom settings determined by site-based decisions at the campus level. In the 2005-2006 school year, the use of the state-adopted online materials was implemented to assist with meeting the TA TEKS.

The district has connectivity for at least one computer per room and office at each campus. Wiring, routers, hubs, and switches were purchased with bond money and TIF grants in the past, but from 2008-2010 have been funded by a combination of local funds and E-rate. District cable installers and network technicians have the ability to maintain the network equipment installed by outside contractors.

The Executive Director of Technology oversees the hardware installation and maintenance areas of technology. Technology Support Services staff and their responsibilities are listed below.

Technology Support Services

1 Supervisor, 15 Computer Technicians, 2 Cable/Smart Board Installers, 1 Telecommunications Technician
Install, maintain, and repair district technology hardware and infrastructure equipment, telephones, and cabling.

District staff also provides a majority of the training and support for hardware and software use. With an adequate infrastructure in place, it is now possible to focus on implementation and effective integration of technology at all levels.

Committees meet to design and program the technology that will be needed at these campuses. Needs and implementations will differ based on the projects scheduled for each campus. Infrastructure equipment, cabling, possible wireless technology use, electrical wiring, telecommunications equipment and other needs will be assessed in relation to technology needs.

Technology Needs:

Comparison of the inventory documents and the campus STaR Chart results have shown that Midland ISD continues to strive for equitable access to technology. The need for more technology is ongoing: use increases, technology ages, replacements and upgrades are necessary. MISD needs more computers to meet the Target level of a 1:1 student to computer ratio and a 1:1 dedicated computer to teacher ratio. MISD needs to continue upgrading and replacing technology as it ages. Currently many district computers are over 5 years old, and there is inequity in the distribution of the newer computers. A yearly, district-based computer replacement initiative is needed. Also, purchases of overhead projectors, old-style CRT wall-mounted TVs, VCRs, projector screens, etc. should be discouraged in favor of current technology such as interactive whiteboards and projectors.

The increasing use of technology and new implementations such as online testing and online transcripts drive the need for continuous enhancement and expansion of existing technology from workstations, to software, to servers, to bandwidth and network equipment. MISD needs to continue the process of centralizing servers and expanding a Storage Area Network. This trend includes increasing the use of virtualization technology and server based computing to maximize efficiency of hardware and staff. Monitoring of use is needed to ensure the infrastructure is in place to support usage requirements. Secured wireless access is needed to support the programs campus administrators and teachers want to implement for data access and instruction. All of these factors also impact the number of personnel to support the various uses of technology in the District. As technology use grows, more support staff will be needed. Currently the pc technician to computer ratio is approximately 1:600.

Ongoing professional development and more support for the integration of technology into the curriculum are needed based on information gathered from interviews, focus group sessions, and the Texas Campus STaR Chart results. MISD is using a technology proficiency test of basic skills to assess the staff's ability to use technology, integrate it into curriculum and meet requirements of their jobs. An individualized learning plan is developed for all teachers who do not meet the minimum standard of 70%. All teachers are required to meet the minimum standard within a two year time period.

Using technology to promote student achievement and develop critical thinking skills requires the continuation of using written curriculum that includes the use of technology and the documentation of meeting the Technology Applications TEKS. MISD also needs to plan and implement online delivery of curriculum.

MISD needs to continue the use of technology as a means to provide information to parents and the community to involve them in student achievement and gain their support of public education. This includes a web presence, email, telephones, a calling system, and the equipment and infrastructure to support these types of communication.

MISD will need to request E-Rate funding for basic telephone service and non-basic telecom services such as Plexar features to transfer calls, hunt the next available line, etc. E-Rate funding is also needed to help with the costs of the telecom lines to all sites in the District and Internet access, including cellular phones with data plans. MISD will investigate new telephone technologies (such network-based phones) as technology changes and pricing offers suitable options to meet district needs. MISD will investigate a centralized power generator to maintain critical systems during power outages, as part of its disaster recovery plan.

Goals, Objectives, and Strategies

GOAL 1: MISD will provide all students the opportunity to gain the knowledge and skills needed to be

successful in school and in the workforce by providing an integrated curriculum using current technologies.

OBJECTIVE 1.1:

All students will have access to and use a variety of resources to improve academic achievement and technology literacy.

Budget Amount \$651,830.95

LRPT category: Teaching and Learning

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 03, 07, 08, 11, 12

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
<p>1.1.1: Students and teachers will use a variety of hardware and software as appropriate to align with the Texas Technology Applications TEKS and enhance learning.</p> <p>Comments: This is a continuing process that is assessed and updated as technology changes and progress is made. Handheld devices, interactive whiteboards, projectors, and software are being added in various areas.</p> <p>LEA LRPT Correlates: I03, I05, TL05, TL06, TL09, TL10, TL13</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>7/01/2010 - 6/30/2013</p>	<p>Campus administrators or designees, Curriculum area directors</p>	<p>Lesson plans will reflect the use of technology by students as outlined in the TA TEKS. STaR Chart results from Area TL1, Patterns of Classroom Use</p>
<p>1.1.2: Students and teachers will have access, at any reasonable time of the day, including evenings, to all appropriate technologies to complete activities that have been seamlessly integrated into all curriculum areas.</p> <p>LEA LRPT Correlates: I05, TL01, TL05, TL06, TL09, TL13</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>annually, 7/01/2010-6/30/2013</p>	<p>Campus administrators, Teachers, Parents, Staff in libraries, labs, or other facilities</p>	<p>Results of Campus STaR Chart, Area TL 2 - Frequency</p>
<p>1.1.3: Students will be offered the opportunity to have Internet access at school and other locations in the community for web-based learning experiences, Internet research, or virtual tours. Comments: Access is currently available at each campus, the ATC, public library, and other locations in the community as a result of a TIF Community Networking Grant coordinated by Midland College.</p> <p>LEA LRPT Correlates: LAS13,</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>beginning of school annually, 7/01/2010 - 6/30/2013</p>	<p>Campus administrators, Director of Technology, Teachers, Librarians, Parents, Personnel at community access sites</p>	<p>Information posted on websites, email to teachers, Internet Use Agreements in Student Handbooks</p>

	LAS15, TL09, TL10, TL13, TL15				
1.1.4:	Students will have age-appropriate skills to access the Internet and find information in order to participate in student-centered learning within communities of inquiry. LEA LRPT Correlates: TL01, TL04, TL05, TL08, TL12	State: Original Status: Planned	7/01/2010 - 6/30/2013	Campus Administrators, Teachers, Librarians	STaR Chart results from Area TL5, Student Mastery of Technology Applications (TA) TEKS Benchmark students to guide curriculum changes for inclusion of TA TEKS.
1.1.5:	MISD will follow state and federal guidelines for technology planning and use district plans to promote student achievement. Comments: NCLB requirements are being met. LEA LRPT Correlates: LAS02, LAS04, LAS05	State: Original Status: In Progress	2010-2013	Campus and District Administrators Teachers	Approved plans
1.1.6:	Students will have access to online courses for RTI, Credit Recovery or Credit Accrual. LEA LRPT Correlates: TL04, TL07, TL09, TL13	State: Original Status: In Progress	2010-2013	Campus Administration and Teachers	Course Guides

OBJECTIVE 1.2:

All instructional staff will use technology to enhance teaching and learning.

Budget Amount \$217,281.33

LRPT category: Teaching and Learning

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 07, 11, 12

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.2.1: All teachers will integrate technology as outlined by the Technology Applications TEKS and all curriculum area TEKS. LEA LRPT Correlates: TL05, TL06, TL11	State: Revised Status: In Progress	7/01/2010 - 6/30/2013	Teachers, Campus Administrators, and Curriculum Area Directors	STaR Chart results from Area TL3, Content Area Connections
1.2.2: Assess and report the extent to which students meet technology proficiencies in the TEKS. LEA LRPT Correlates: TL01, TL05, TL06	State: Revised Status: In Progress	7/01/2010 - 6/30/2013	Campus Administrators and Teachers	Campuses document TEKS are being met each year by using selected state materials and/or other methods determined by the principal. STaR Chart results from Area TL5, Student Mastery of Technology Applications

					(TA) TEKS Plan to assess student performance on the TA TEKS using a teacher approved online assessment.
1.2.3:	Select curriculum materials that include technology use in addition to the Technology Applications materials. Comments: Materials for all curriculum areas have technology incorporated. LEA LRPT Correlates: TL01, TL03, TL05, TL06, TL09	State: Revised Status: In Progress	7/01/2010 - 6/30/2013	Selection committees for adoptions each year Board of Trustees	Committee report to Board
1.2.4:	Use the district's vertically aligned, integrated curriculum framework. LEA LRPT Correlates: TL05, TL06	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Executive Director of Instruction, Curriculum Area Directors, Campus Administrators, Teachers	CSCOPE
1.2.5:	Use information provided by the district's data-disaggregating software to benchmark students' progress in the core curriculum areas. Comments: Comments: The district curriculum directors produce a calendar for benchmarking. They review results with campus administrators and teachers to provide instruction for each child. LEA LRPT Correlates: TL04, TL07, TL09	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Campus Administrators, Curriculum Directors, and Teachers	Benchmark testing calendar
1.2.6:	Collaborate with the certified library media specialist to ensure student use of computers and multimedia resources for research and curriculum related activities. LEA LRPT Correlates: EP09, TL05, TL10, TL11	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Teachers and Librarians	Student sign-in sheets, lesson plans, budgets
1.2.7:	Integrate technology into instructional management and administration by using electronic formats. LEA LRPT Correlates: EP03, TL04, TL07	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Campus Administrators and Teachers	PDAS submissions, electronic grade submissions, data disaggregation, parent notification system, website, etc.

1.2.8:	All teachers will demonstrate proficiency in the TA TEKS by meeting the minimum standard on an assessment focusing on 8th grade TA TEKS. LEA LRPT Correlates: EP05	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Teachers	Online reports generated from the assessment given to teachers.
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OBJECTIVE 1.3:
All teachers will help students acquire the technology skills needed to accomplish the goals stated in the Technology Applications TEKS.

Budget Amount \$434,549.63
LRPT category: Teaching and Learning

E-Rate Correlates: ER01
NCLB Correlates: 01, 02, 07, 11

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.3.1:	Students in grades PK-12 will use materials selected by the District from the State Technology Applications adoptions and other materials to help them become effective users of technology. Comments: The extent to which these are being offered needs to be established by a survey. LEA LRPT Correlates: TL01, TL03, TL05, TL11, TL13	State: Original Status: Planned	7/01/2010 - 6/30/2013	Campus Administrator and Teachers	Documentation of TA TEKS taught STaR Chart results for Area TL4, Technology Applications (TA) TEKS Implementation and Area TL5, Student Mastery of Technology Applications (TA) TEKS
1.3.2:	Students in grades PK-12 will use materials selected by the District from the State adoptions in all curriculum areas with ancillary materials that include technology to promote student achievement and the effective use of technology. Comments: The teaching of skills is currently being integrated into curriculum areas to complete assignments and meet TA TEKS as well as curriculum area TEKS. LEA LRPT Correlates: TL01, TL03, TL05, TL10, TL11, TL13	State: Original Status: Planned	7/01/2010 - 6/30/2013	Campus Administrators and Teachers	Lesson plans STaR Chart results for Area TL4, Technology Applications (TA) TEKS Implementation and Area TL5, Student Mastery of Technology Applications (TA) TEKS
1.3.3:	High school students will be offered a minimum of four Technology Applications courses a year as defined in the TA TEKS.	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Campus Administrators and Teachers	Course registration materials

	<p>Comments: Comments: Four TA courses are now being offered and taught, along with other technology courses, by MISD teachers primarily at the Advanced Technology Center that MISD shares with Midland College.</p> <p>LEA LRPT Correlates: TL01, TL02, TL03, TL05, TL10, TL11, TL13</p>				
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GOAL 2: MISD will provide professional development and training opportunities to faculty and staff to develop or improve their knowledge and skills in the use of technology to enhance instruction with technology integration in all aspects of instruction and job performance.

OBJECTIVE 2.1:

MISD will provide access to professional development and training to all faculty and staff.

Budget Amount \$841,072.20

LRPT category: Educator Preparation and Development

E-Rate Correlates: ER01, ER02

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

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
<p>2.1.1: MISD will provide continued technology training on the use of various types of software and integration of technology into all curriculum areas.</p> <p>LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP06, EP07, EP08, EP09, LAS06, TL08, TL16</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>7/01/2010 - 6/30/2013</p>	<p>Director of Technology, District Technology Trainers, Curriculum Directors</p>	<p>Training calendars, sign-in sheets, STaR Chart results from Area EP1, Content of Professional Development</p>
<p>2.1.2: MISD will survey campuses annually for technology needs in all areas, including non-certified areas.</p> <p>LEA LRPT Correlates: EP09</p>	<p>State: Original</p> <p>Status: Planned</p>	<p>7/01/2010 - 6/30/2013</p>	<p>Director of Technology, Campus Administrators, Campus Technologists</p>	<p>STaR Chart results from Area EP3, Capabilities of Educators</p>
<p>2.1.3: MISD will require that certified staff and other appropriate personnel attend technology sessions relevant to</p>	<p>State: Original</p> <p>Status: Planned</p>	<p>7/01/2010 - 6/30/2013</p>	<p>Campus Administrators and Departmental Supervisors</p>	<p>Monthly training calendars and sign-in sheets STaR Chart results from Area EP2, Models of Professional Development</p>

	<p>that job for as long as needed.</p> <p>LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP08, LAS06</p>				
2.1.4:	<p>MISD will continue to provide staff development opportunities through the use of satellite and distance learning connections.</p> <p>Comments: The distance learning equipment was acquired as part of a TARGET grant, is located at the MISD central administration building, and is maintained by the Region 18 ESC and district personnel. The satellite is also at the MISD central administration building and is used to a lesser extent without T-STAR programming.</p> <p>LEA LRPT Correlates: EP01, EP06, TL05</p>	<p>State: Original</p> <p>Status: In Progress</p>	7/01/2010 - 6/30/2013	Director of Technology	Region 18 workshop schedules, sign-up sheets, requests for satellite programming
2.1.5:	<p>MISD will investigate various incentives for attending training and reaching competency levels.</p> <p>LEA LRPT Correlates: EP02, EP05, EP06, EP07</p>	<p>State: Original</p> <p>Status: Planned</p>	7/01/2010 - 6/30/2013	District and Campus Administrators	Various documents pertaining to training being offered and skill levels being reached.
2.1.6:	<p>MISD will offer professional development as needed to assist with implementation of newly adopted texts and materials.</p> <p>Comments: With each adoption, materials and supplements are reviewed for compatibility with existing technology, and professional</p>	<p>State: Original</p> <p>Status: In Progress</p>	7/01/2010 - 6/30/2013	Curriculum Area Directors, Director of Technology, Technology Trainers	Records of inservice workshops/training/professional development and STaR Chart results from Area EP4, Access to Professional Development

	development is offered to assist with implementation. LEA LRPT Correlates: EP01, EP09, LAS06				
2.1.7:	MISD will offer ongoing professional development as needed to assist with the integration of technology in all curriculum area TEKS. LEA LRPT Correlates: EP02, EP03, EP04, EP06, EP09, LAS06	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Curriculum Area Directors	Records of professional development offered and attended
2.1.8:	MISD will provide training in the use of data disaggregation software to enhance student learning in the core curriculum areas. Comments: This is an on-going and growing use of technology in the district. LEA LRPT Correlates: EP01, EP03, LAS08, TL04	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Director of Technology, Technology Trainers	Requests for training for new personnel and refresher or update training
2.1.9:	MISD will incorporate strategies in district planning for mastery of Technology Applications Educator Standards. LEA LRPT Correlates: LAS12	State: Original Status: Planned	2010-2012 plan and create survey to assess needs Indicate on descriptions of workshops what standard they meet.	Instructional Technology Supervisor and Trainers	Campus and District Improvement plans STaR Chart results from Area EP3, Capabilities of Educators, Assessments, Technology Class Attendance, and online tutorial completions.
2.1.10:	MISD will provide self-paced online technology tutorials for all staff. LEA LRPT Correlates: EP01, EP02, EP04, EP05, EP08, EP09	State: Original Status: In Progress	7/01/2010 - 6/30/2013	All staff	Access to tutorials through the internet and reports show usage history.
2.1.11:	MISD will ensure that all certified staff are proficient in the TA TEKS.	State: Original Status: In	7/01/2010 - 6/30/2013	All staff	Results from assessment.

	LEA LRPT Correlates: EP05	Progress			
2.1.12:	MISD will provide a staff development management system for online registrations, room reservations, evaluations, and continuing professional education credit tracking. LEA LRPT Correlates: EP05, LAS08	State: Original Status: In Progress	7/01/2010 - 6/30/2013	All staff	Available on intranet

GOAL 3: MISD will provide leadership, administration, and supporting resources to ensure successful and effective uses of technology.

OBJECTIVE 3.1:

MISD will provide a budget and funding in support of technology.

Budget Amount \$10,156.20

LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01, ER02

NCLB Correlates: 05, 06, 12

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.1.1:	MISD will maintain a staff committee to evaluate and approve a list of all hardware, software, and equipment. LEA LRPT Correlates: I07, LAS01	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Director of Technology, Technology Purchasing Specialist	Technology Purchasing Procedures
3.1.2:	Campuses will develop a budget and secure funding to support technology identified in classroom, library, campus, and district planning efforts such as hardware and software purchases, professional development, staffing support, and ongoing costs based on allocated funds from the State Technology Allotment, grants received, state and federal programs, business partnerships, donations, and local funding through tax dollars. LEA LRPT Correlates: LAS01, LAS02, TL12	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Campus administrators	Budget items and STaR Chart results from Area L5, Budget
3.1.3:	MISD will develop a centralized budget and secure funding to support technology identified in	State: Original	7/01/2010 - 6/30/2013	Executive Director of Business Services	Budget, Board Agenda showing donations and grants

	classroom, library, campus, and district planning efforts based on the State technology allotment, grants, E-Rate discounts, Title funds, bond funds, business partnerships, donations, an education foundation, and locally supplemented technology funding through tax dollars. LEA LRPT Correlates: I02, LAS01, LAS02, LAS04, TL12	Status: In Progress			
3.1.4:	MISD will provide facilities and incentives for professional development. LEA LRPT Correlates: EP01, EP04, EP06, EP07	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Director of Technology	Calendars and sign-in sheets
3.1.5:	MISD will include budget strategies for professional development activities on the integration of technology. LEA LRPT Correlates: LAS02, LAS06	State: Original Status: Planned	2010, 2011, 2012	Director of Technology Curriculum Directors Campus Administrators	Budget items

OBJECTIVE 3.2:

MISD will provide staff to support the use of technology.

Budget Amount \$325,120.24

LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01

NCLB Correlates: 03, 12

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.2.1: MISD will maintain a district-level staff, training and promoting the effective integration of technology into the classroom, consisting of a supervisor and teacher trainers. LEA LRPT Correlates: EP01, EP09, LAS10	State: Original Status: Completed	7/01/2010 - 6/30/2013	Director of Technology	Organizational Chart, STaR Chart results from Area L3, Instructional Support
3.2.2: MISD will continue to have a call center to support staff with technology issues. LEA LRPT Correlates: I01	State: Original Status: Completed	7/01/2010 - 6/30/2013	Director of Technology	Ticket reporting system

OBJECTIVE 3.3:

MISD will provide leadership in support of technology.

Budget Amount \$4,320.76

LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01
NCLB Correlates: 01

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.3.1:	MISD will review and update the technology plan developed with input and support from administration, faculty, staff, community members, and parents, for the integration of technology into teaching and learning. LEA LRPT Correlates: LAS07	State: Original Status: Planned	2010, 2011, 2012	Director of Technology and Committee members	List of committee members Plan updates Link to plan on district web site
3.3.2:	MISD will research emerging technologies, curriculum and strategies. LEA LRPT Correlates: LAS01, TL05, TL08	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Technology Staff Members, Curriculum Area Directors, Campus Administrators and Teachers	STaR Chart results from Area L1, Leadership and Vision
3.3.3:	MISD will assess hardware and software needs. LEA LRPT Correlates: I01, I04, I05, I07, I09, LAS01	State: Original Status: In Progress	7/01/2010 - 6/30/2013	District technology staff members, campus administrators and staff, CEIC and/or technology committees	Documentation for purchasing hardware and software
3.3.4:	MISD will include professional development on the integration of technology in all improvement plans and measure their effectiveness using the Texas STaR Chart. LEA LRPT Correlates: EP05, LAS03, LAS08	State: Original Status: Planned	7/01/2010 - 6/30/2013	Campus and District administrators responsible for plans	Plans contain professional development on the integration of technology Texas STaR Chart results
3.3.5:	MISD will assess response times for providing technology support. LEA LRPT Correlates: LAS02	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Technology staff	Work orders and campus input STaR Chart results from Area INF 4, Technical Support
3.3.6:	The MISD Board of Trustees will establish goals and objectives in support of technology. Comments: In 2003 the Midland ISD Board of Trustees adopted goals that include "continuous technological improvement." That goal and its objectives are revisited annually. LEA LRPT Correlates: LAS01	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Board of Trustees and Superintendent	Published goals
3.3.7:	MISD will analyze electronic data in district planning to support sound research-based decision-making	State: Original	2010, 2011, 2012	Administrators and teachers	STaR Chart results and data disaggregation reports

	focused on student success. LEA LRPT Correlates: EP03, LAS08	Status: In Progress			
3.3.8:	MISD will incorporate technology use into teacher and librarian appraisal systems. Comments: Both include technology use. The Department of Teaching & Learning utilizes walk-through check lists for expectations in each curriculum area. LEA LRPT Correlates: TL06, TL11	State: Original Status: Planned	2010-2013	Administrators and other appraisers	Appraisal instruments
3.3.9:	MISD will maintain policies regarding parental and community access to personnel and other non-secured data through technology. LEA LRPT Correlates: LAS09	State: Original Status: In Progress	7/01/2010 - 6/30/2013	School District's Attorney	Policies and/or regulations

OBJECTIVE 3.4:

Midland ISD will use technology to effectively promote parental involvement and increase communication with parents.

Budget Amount \$38,885.29

LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01

NCLB Correlates: 09

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.4.1:	MISD will encourage parents and community members to attend such events as Open House at the schools and annual Academic Expo, which will include information about technology used to enhance academic success. LEA LRPT Correlates: TL15	State: Original Status: Planned	7/01/2010 - 6/30/2013	District and Campus Administrators	Records of events STaR Chart results from Area L4, Communication and Collaboration
3.4.2:	MISD will provide information on its web site and require each teacher and department to maintain information on the web to increase communication with parents, students, and others. LEA LRPT Correlates: I08, TL16	State: Original Status: In Progress	7/01/2010 - 6/30/2013	District and Campus Administrators and Teachers	www.midlandisd.net
3.4.3:	MISD will continue to provide a parent notification system and give parents secure electronic access to student information online.	State: Original Status: In Progress	7/01/2010 - 6/30/2013	District and Campus Administrators	Annual renewal and use of system

LEA LRPT Correlates: I08, LAS11, TL15, TL16				
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GOAL 4: MISD will provide an infrastructure that will enable students, educators, and support staff to use technology effectively and safely.

OBJECTIVE 4.1:

MISD will provide equipment for an infrastructure that meets the district's needs and expectations.

Budget Amount \$1,645,418.56

LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03, 05, 08, 12

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
<p>4.1.1: Continue to purchase and replace computing devices with the goal of having five computers per classroom.</p> <p>Comments: Since equipment is constantly being updated and replaced, it is an on-going commitment to keep viable equipment available.</p> <p>LEA LRPT Correlates: I04</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>7/01/2010 - 6/30/2013</p>	District and Campus Administrators	Inventory STaR Chart results from Area INF 1, Students per Computer
<p>4.1.2: Continue to provide access to appropriately configured digital instructional tools to all students and staff, and ensure the tools meet interoperability and data standards.</p> <p>LEA LRPT Correlates: I01, I05, I07, I08</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>7/01/2010 - 6/30/2013</p>	District and Campus Administrators, Technology Staff and Director of Special Education	Campus STaR Chart results and Special Education documentation.
<p>4.1.3: Continue to provide high-speed access for all instructional and non-instructional sites in the district.</p> <p>Comments: As more technology is implemented and usage increases, the need for increased bandwidth is monitored and plans are made for acquiring it by building an infrastructure that can be expanded and upgraded.</p> <p>LEA LRPT Correlates: I01</p>	<p>State: Original</p> <p>Status: Planned</p>	<p>7/01/2010 - 6/30/2013</p>	Technology Staff	STaR Chart results from Area INF 2, Internet Access Connectivity Speed
<p>4.1.4: Maintain expertise for installing and supporting the existing</p>	<p>State: Original</p>	<p>7/01/2010 -</p>	Technology Staff	Continued support of existing infrastructure,

	<p>infrastructure.</p> <p>LEA LRPT Correlates: I01</p>	<p>Status: In Progress</p>	6/30/2013		training attended and received
4.1.5:	<p>Web based/online learning will be available at the campus level while continuing to support two-way interactive video distance learning at the district level and evaluate the need for implementation at the campus level.</p> <p>LEA LRPT Correlates: LAS15, TL13, TL15</p>	<p>State: Original</p> <p>Status: Planned</p>	7/01/2010 - 6/30/2013	Technology Staff, Campus Administrators	Campus and district use
4.1.6:	<p>MISD will provide connectivity to a robust LAN/WAN with student access in all new rooms.</p> <p>Comments: MISD monitors connectivity and will be installing the wiring and infrastructure components in renovations and new construction that are being done with erate funds.</p> <p>LEA LRPT Correlates: I01</p>	<p>State: Original</p> <p>Status: Planned</p>	7/01/2010 - 6/30/2013	Technology Staff	Network diagrams STaR Chart results from Area INF 5, Local Area Network/Wide Area Network
4.1.7:	<p>MISD will continue to plan for growth to be able to implement new technologies such as IP Telephony, wireless connectivity, video streaming, and desktop teleconferencing where effective and appropriate.</p> <p>Comments: This includes existing facilities and those being renovated and built with erate funds.</p> <p>LEA LRPT Correlates: I01, LAS15</p>	<p>State: Original</p> <p>Status: Planned</p>	7/01/2010 - 6/30/2013	Technology Staff	Network diagrams STaR Chart results from Area INF 6, Distance Learning Capacity
4.1.8:	<p>MISD will update its disaster recovery plan to ensure the inclusion of electronic student records, instructional materials, financial and personnel records, and communication systems.</p> <p>LEA LRPT Correlates: LAS14</p>	<p>State: Original</p> <p>Status: Planned</p>	2010-2013	Campus and District administrators who oversee student records, instructional materials, financial and personnel records, and communication systems	Disaster Recovery Plan

OBJECTIVE 4.2:

MISD will enforce a policy of Internet safety.

Budget Amount \$36,725.84
 LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01
 NCLB Correlates: 12

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
4.2.1: MISD will enforce the Acceptable Computer Use Agreement. LEA LRPT Correlates: TL14	State: Original Status: Planned	7/01/2010 - 6/30/2013	Administrators	Agreement is published, distributed, and signed by students, parents, staff, volunteers, and board members.
4.2.2: MISD will provide equipment to filter and block content, for both minors and adults, which is not appropriate in an educational setting. Comments: MISD had this in place before Internet access was made available in the district and has maintained and upgraded the equipment over the years. LEA LRPT Correlates: I05, TL14	State: Original Status: In Progress	7/01/2010 - 6/30/2013	Technology Staff	Filtering device

Budget

Total amount of Title II, Part D formula funds received for the current year of this plan: \$43,146.00

Method of application for formula funds: Local Application

Budget year 2010		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$374,156.00	74% State 11% Title II D 15% Local
Telecommunications & Internet Access	\$334,405.00	69% E-rate 31% Local
Materials & Supplies	\$681,726.00	3% State 97% Local
Equipment	\$0.00	
Maintenance	\$1,500.00	100% Local
Miscellaneous Expenses	\$10,000.00	100% Local
Total	\$1,401,787.00	

Budget year 2011

Budget item	Cost	Funding Sources with amount per source
Staff Development	\$374,156.00	74% State 11% Title II D 15% Local
Telecommunications & Internet Access	\$334,405.00	69% E-rate 31% Local
Materials & Supplies	\$681,726.00	3% State 97% Local
Equipment	\$0.00	
Maintenance	\$1,500.00	100% Local
Miscellaneous Expenses	\$10,000.00	100% Local
Total	\$1,401,787.00	

Budget year 2012

Budget item	Cost	Funding Sources with amount per source
Staff Development	\$374,156.00	74% State 11% Title II D 15% Local
Telecommunications & Internet Access	\$334,405.00	69% E-rate 31% Local
Materials & Supplies	\$681,726.00	3% State 97% Local
Equipment	\$0.00	
Maintenance	\$1,500.00	100% Local
Miscellaneous Expenses	\$10,000.00	100% Local
Total	\$1,401,787.00	

Evaluation

Evaluation Process:

This plan helps assess the current situation and needs, and plan for future growth. We can see what has been accomplished, what is being accomplished, and what steps need to be taken for further improvement.

All aspects of the Plan will be evaluated formally two times each year, but evaluation of the Technology Plan will be a systematic, ongoing process just as our goals and objectives are ongoing. The intention of the evaluation will be to make decisions on the impact of technology on the learning process for all students. It will also be a means to determine what progress is being made and/or what changes need to be made so the plan can be revised accordingly.

A subcommittee of the Long-Range Plan Committee will be responsible for the ongoing evaluation and will utilize whatever resources are deemed necessary. The type of evaluation, and the detail, will depend on the part of the Plan being evaluated. The "Evidence" listed for the strategies being used to reach our goals and objectives will be used along with feedback and suggestions from campus technologists, administrators, teachers, students, and parents.

Formal revisions to the plan will be made at least once a year and updates will be given to the Executive Staff and Board of Trustees' Technology Committee.

Evaluation Method:

The accountability methods and measures that will be used to evaluate the extent to which activities are effective in Integrating technology into curriculum and instruction include:

- Texas STaR Chart results
- Observations and lesson plans that show technology integration
- Teacher and Librarian appraisal documentation

Increasing the ability of teachers to teach include:

- Texas STaR Chart results
- Records of participation in technology training monitored by sign-in sheets
- Teacher professional development records
- Records of Technology Teacher Trainers' visits to campuses

Enabling students to meet challenging state academic standards include:

- Texas STaR Chart results
- Lesson plans showing Technology TEKS being addressed

Acquiring and deploying technologies and telecommunication services

- Yearly inventory
- Purchase orders

Meeting timelines for implementation include:

- Evaluation of the LRPT
- Progress on the Texas STaR Chart

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