



Texas Education Agency

2011 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.

MCMULLEN COUNTY ISD (162904)
has a technology plan that has met the standards and criteria outlined by the SLD. This approval is effective for 3 years.

This plan was approved on March 31, 2011.

This plan has an expiration date of June 30, 2014.

A handwritten signature in black ink, appearing to read "Norma Torres-Martinez".

Norma Torres-Martinez
Deputy Associate Commissioner
Standards and Alignment



MCMULLEN COUNTY ISD Technology Plan

2011 - 2014

Dave Underwood

SUPERINTENDENT

DISTRICT PROFILE

ESC Region 2
City, State Zip TILDEN, TX 780720359
Phone (361) 274-3315
Fax (361) 274-3665
County District Number 162904

Number of Campuses	1
Total Student Enrollment	183
District Size	Under 500
Percent Econ. Disadvantaged	43.27%

Technology Expenditures	\$250,740.00
Technology budgets reported in plan by category	Teaching and Learning Budget \$34,000.00 Educator Preparation and Development Budget \$3,000.00 Leadership, Administration and Support Budget \$0.00 Infrastructure for Technology Budget \$213,740.00 Total: \$250,740.00
Technology Expenditure Per Pupil	\$1,370.16
Number of Campuses with Direct Connection to Internet	1
Percentage of Campuses with Direct Connection to Internet	100.00%
Number of Classrooms with Direct Connection to Internet	22
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	1
Percentage of campuses that have completed the Texas Campus STaR Chart	100.00 %

Plan Introduction

Plan Last Edited 01/07/2011

Plan status:	approved
Years Included in the Plan:	2011 - 2014
Number of years covered by the plan:	3
Years Approved for the Plan:	2011 - 2014
Number of approved years:	3

Does the district file E-Rate? yes

The district had a "written" plan before E-Rate Form 470 was filed on .

Technology Planning Committee

Dave Underwood, Superintendent
Rosie Cavazos, Principal
Mark McAfee, Technology Director
Dale Patterson, Operations Director
Matt Oden, Teacher
Deborah Longan, Teacher
Sallie Swaim, Teacher

Executive Summary

Plan has been updated again to reflect changes in strategies. Over the past nine years McMullen County ISD has been able to leverage available resources and broaden the availability and use of technological tools by the students, faculty and staff. The network has been upgraded from a Novell 3.1 system with one 24 port and two 8 port 10 megabit hubs to a Windows 2003 r2 network with 133 ports and fiber running to most of the buildings. The District has a wireless lab and wireless access points located throughout the high school and elementary buildings.

The district's server is a Windows server R2 with 3 24 port hubs managed in a server room mode with a Cisco router model 2600 with 2 fiber ports.

Eight years ago the District had 26 networked computers, 24 were divided between two labs, 2 were administrators' computers and approximately 10 non-networked computers most of which were Apple computers or IBM compatible XT's without hard drives. Currently, the District has more than 100 networked computers, 52 allocated between 4 labs, 14 for library patrons' use and 30 for teachers and administrators. There are desktop computers available for issuance to students for use at home. All high school students and the faculty have Internet access available at home currently at no cost. Many have chosen to upgrade their connection to DSL at a minimal cost.

Until the fall of 2000, most students had to travel more than 30 miles each way for dual credit classes. Beginning in the fall of 2000, students have been able to attend dual credit classes more than 60 miles away, without leaving the campus. The distance learning lab is a digital Polycom system with a Omniaccess 512 router, Kodak document camera and a smart board. An additional distance learning lab is available for dual credit and outsource teaching.

Software currently in use includes: Windows 7, Vista and XP operating system and Microsoft Office 2007 on all computers, and other software consisting of RSCCC Grade Book, Power Performance (Heartbeeps), Accelerated Reader and Star Reader, Mavis Beacon typing and Follett Library automation software. NovaNet, Smart Note book and Study Island software has now been added.

Partners with the District in providing these advances in technology have been: Telecommunications Infrastructure Fund (TIF), USDA Rural Utilities Service (RUS), Valley Telephone Cooperative, Inc., TEA State Technology Allocation, the Universal Service Administrative Company Schools and Libraries Division (E-Rate) and Education Service Center, Region II.

Needs Assessment

Assessment Process:

During the assessment phase, the committee reviewed the Star Chart, classroom practices, SBEC Technology Applications Standards and student performance to determine the district's technology needs.

Existing Conditions:

Windows 2003 r2 Network with 3 Des-3828 24 port 10/100/1gig and 2 fiber ports per switch. 2 24 port 10/100/1gig switches with fiber in each of the buildings. The District has a HP Proliant DL380 GS Server with 3 - 72 gig Drives. The District has wireless hubs throughout the campus. The District has 96 work stations running at any given time. The District has 7 network printers for teachers and students. The District has 2 video conference rooms for dual credit and outsource teachings.

The District has a more than 100 networked computers, 45 allocated between 3 labs, 14 for library patrons' use and 30 for teachers and administrators. There are desktop computers available for issuance to students for use at home. The District currently has wireless cards available on a checkout basis and wireless access points located throughout the High School and Elementary buildings. All high school students and the faculty have internet access available at home currently at a no cost.

Beginning in the fall of 2000, students have been able to attend dual credit classes more than 60 miles away, without leaving the campus. The distance learning lab is a Polycom system with a Omniaccess 512 router, Kodak document camera and a smart board.

Technology Needs:

Continued high speed Internet access to support instructional goal and objectives.

Professional development customized to specific teacher needs,

Based on review of current equipment, the district needs to add additional equipment including computers and, wireless access points, and digital cameras in order to further integrate technology in classrooms.

The district needs to increase internet bandwidth to support instructional and administrative functions.

The district needs to upgrade network infrastructure to support additional bandwidth and additional wireless devices.

The district needs to upgrade software license.

The district needs to replace obsolete student computers.

Goals, Objectives, and Strategies

GOAL 1: Seamlessly integrate the tools of technology into the delivery of instruction for all students to enhance learning.				
OBJECTIVE 1.1:				
All students will acquire basic technology skills as defined by the TA TEKS				
<i>Budget Amount \$0.00</i>				
<i>LRPT category: Teaching and Learning</i>				
E-Rate Correlates: ER01				
NCLB Correlates: 01, 02, 04a, 07				
<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.1.1: All Pre-Kinder – 6th grade students will attend Computer Class a minimum of once per week for 45 minutes for grade level appropriate technology skills instruction or projects Comments: No budget category since there is no budget assigned to this strategy. LEA LRPT Correlates: TL01, TL03, TL05, TL08	State: Original Status: In Progress	2011-2014	Administrative Staff and teachers	Master Schedule, attendance records, lab schedule
1.1.2: Kinder - 6th Grade students will use computer learning centers to acquire technology skills as described in the TA TEKS Comments: No budget associated with this strategy LEA LRPT Correlates: TL01, TL03, TL05, TL08	State: Original Status: Planned	2011-2014	Administrative Staff/Teaching Staff	Lesson Plans
1.1.3: All 7th grade students will enroll in a minimum of a semester long computer literacy class as described in the TA TEKS Comments: No budget category here LEA LRPT Correlates: TL01, TL03, TL05, TL08	State: Original Status: Planned	2011-2014	District and campus administrators and counselor	Master schedule, student records
OBJECTIVE 1.2:				
All students will use technology for exploration, collaboration, analysis, synthesis, and presentation of information				
<i>Budget Amount \$0.00</i>				
<i>LRPT category: Teaching and Learning</i>				
E-Rate Correlates: ER01				
NCLB Correlates: 01, 02, 04a, 07				
<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.2.1: All students will use technology in appropriate instructional settings on a daily basis. LEA LRPT Correlates: TL01, TL03, TL05, TL08	State: Original Status: Planned	2011-2014	Instructional staff, campus administrators	Lesson plans, administrator observation, student projects
1.2.2: All 1-12 students will participate in a minimum of one student-centered learning project per semester LEA LRPT Correlates: TL01, TL05, TL08, TL12	State: Original Status: Planned	2011-2014	Teachers, campus administrators	Lesson plans, student projects, administrator observation
1.2.3: High School students will regularly participate through communication with communities of inquiry involving national and international business, industry and university personnel in a grade level appropriate manner	State: Original Status: Planned	2008-2011	Campus administrator, distance learning coordinator, district administrators, teachers	Lesson plans, distance learning schedule, student projects

	LEA LRPT Correlates: TL05, TL12				
1.2.4:	Students will use technology to communicate effectively with a variety of audiences a minimum of once per semester in a grade level appropriate manner LEA LRPT Correlates: TL01, TL08, TL12	State: Original Status: Planned	2011-2014	Teachers	Lesson plans, student records
OBJECTIVE 1.3:					
The District will provide instant, immediate access to up-to-date tools of technology to support the integration of technology into all areas of learning					
<i>Budget Amount \$182,440.00</i>					
<i>LRPT category: Infrastructure for Technology</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 01, 02, 03, 05, 06					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.3.1:	The District will purchase 40 desktop computers in year 3 of this plan. Comments: year 3 - 32,000 cat-equipment LEA LRPT Correlates: I01, I04, I05, I07	State: Original Status: Planned	2013-2014	Technology director	Purchase orders, observation
1.3.2:	The District will purchase 4 digital still cameras. Comments: Year one cost - \$800 Year two cost - \$200 Total cost - \$1100 Caregory-Equipment LEA LRPT Correlates: I05, TL08	State: Original Status: Planned	2011-2014	Technology Director	Purchase orders, observation
1.3.3:	The District will purchase 2 Flipcams for student use Comments: Year 1-300 Category-Equipment LEA LRPT Correlates: I05, TL08	State: Original Status: Planned	2011	Technology Director	Purchase order, observation
1.3.4:	The District will continue to provide high speed Internet access to all students, staff, and classrooms to support instructional and amdinistrative goals. Comments: Year one cost - \$25,480 Year two cost - \$25,480 Year three cost - \$25,480 Total cost - \$76,440 Budget Category - Telecom Services and Internet Access LEA LRPT Correlates: I01, I06, TL13	State: Original Status: In Progress	2011-2014	Technology Director	Bills for service, existence of access
1.3.5:	The District will increase telecommunications bandwidth service needed to support instructional and administrative goals, functions, and activities. Comments: Year One Cost - \$10,600 Year Two Cost - \$10,600 Year Three Cost - \$10,600 Total Cost - \$31,800 category-Teleco LEA LRPT Correlates: I01, I08	State: Original Status: Planned	2011-2014	Superintendent, Technology Director	Telecommunications bills, bandwidth usage reports
1.3.6:	The District will continue to provide local, long distance, paging, and cellular phone service to appropriate staff in appropriate locations to ensure the safety of all students Comments: Year one cost - \$12,000 Year two cost - \$12,000 Year three cost - \$12,000 Total cost -	State: Original Status: Planned	2011-2014	Business Manager	Bills for service

	\$36,000 Budget Category - Telecom Services and Internet Access LEA LRPT Correlates: I01, I08				
1.3.7:	The District will purchase 80 licenses for Office 2007 Comments: \$60 per license Year One - \$3,600 Year Two - \$600 Year Three - \$600 Total Cost - \$4,800 Cat-Misc LEA LRPT Correlates: I07, I09	State: Original Status: Planned	2011-2014	Technology Director	Purchase orders, work orders

OBJECTIVE 1.4:

This district will upgrade network infrastructure to meet instructional and administrative needs.

Budget Amount \$16,300.00

LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03, 05, 06, 12

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.4.1: Purchase new edge router to support increased bandwidth needs Comments: Year 1 - \$4000 Category - Equipment LEA LRPT Correlates: I01, I05, I06, I08, I09	State: Original Status: Planned	2011	Technology director	Purchase orders
1.4.2: Purchase and install 7 new network switches Comments: Year 1 - \$2,800 Category - Equipment LEA LRPT Correlates: I01, I04, I05, I06, I08	State: Original Status: Planned	2011	Technology Director	Purchase Order
1.4.3: Purchase 1 new server Comments: Year 1 - \$7500 Budget Category - Equipment LEA LRPT Correlates: I01, I06, I08	State: Original Status: Planned	2011	Technology Director	Purchase orders
1.4.4: Purchase additional wireless access points Comments: Year 1 - \$2,000 Budget Category - Equipment LEA LRPT Correlates: I01, I04, I06, I08	State: Original Status: Planned	2011	Technology Director	Purchase orders

GOAL 2: Enhance learning experiences and improve student performance using advanced telecommunications technology					
OBJECTIVE 2.1:					
Expand and upgrade video conferencing capabilities					
<i>Budget Amount \$28,000.00</i>					
<i>LRPT category: Teaching and Learning</i>					
E-Rate Correlates: NCLB Correlates: 01, 02, 03, 04a, 05, 08, 12					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.1.1:	The District will purchase one portable digital video conferencing system Comments: Year Two Cost - \$12,000 Category - Equipment LEA LRPT Correlates: I01, I05, I06, I07, I09, LAS15, TL08, TL10, TL12, TL13	State: Revised Status: In Progress	2009	Technology Director	Purchase order
2.1.2:	The District will upgrade one existing video conferencing system Comments: Year two cost - \$16,000 Total Cost - \$16,000 Category - Equipment LEA LRPT Correlates: I01, I05, I06, I09, LAS15, TL12, TL13	State: Original Status: In Progress	2009	Technology Director	Purchase Order, observation
OBJECTIVE 2.2:					
The District will continue to support and expand a variety of distance learning opportunities for all students.					
<i>Budget Amount \$6,000.00</i>					
<i>LRPT category: Teaching and Learning</i>					
E-Rate Correlates: ER01 NCLB Correlates: 01, 02, 03, 04a, 07, 08					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.2.1:	The District will continue to support dual credit programs via distance learning. LEA LRPT Correlates: I06, I09, LAS13, LAS15, TL08, TL12, TL13	State: Original Status: In Progress	2008-2011	District and campus administrators	Class schedule, student records, observation
2.2.2:	All students will participate in a minimum of one virtual field trip per year Comments: Year One Cost - \$2,000 Year Two Cost - \$2,000 Year Three Cost - \$2,000 Total Cost - \$6,000 Budget Category Misc. Expense LEA LRPT Correlates: LAS13, LAS15, TL05, TL08, TL12	State: Original Status: In Progress	2005 - 2008	Campus administrators, teachers, technology director	Purchase orders, lesson plans, DL Lab schedule, observation
OBJECTIVE 2.3:					
The District will share instructional resources using advanced telecommunications technology					
<i>Budget Amount \$0.00</i>					
<i>LRPT category: Teaching and Learning</i>					
E-Rate Correlates: ER01 NCLB Correlates: 01, 02, 03, 04a, 06, 08, 10					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:

2.3.1:	The District will implement a program to expand learning opportunities for all students by sharing teaching resources via video conferencing LEA LRPT Correlates: I01, I06, LAS13, LAS15, TL08, TL12, TL13	State: Original Status: In Progress	2008-2011	Superintendent and campus administrator	Class schedule, student records
2.3.2:	The District will update and maintain website to include links to all area Adult Literacy Service Providers. LEA LRPT Correlates: I08, LAS09, LAS13	State: Original Status: In Progress	2005 - 2008	Webmaster	Existence of Links

OBJECTIVE 2.4:

The District will enhance parental involvement opportunities and expand channels of communication.

Budget Amount \$15,000.00

LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 03, 06, 09

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.4.1: The district will continue to partner with Valley Telephone Cooperative, Inc. and other internet service providers to ensure all households with high school students have the availability of a low (or no) cost internet connection or a subsidized and discounted DSL connection. Comments: \$5,000 per year, Total cost \$15,000, Budget Catagory - Telecommunications and Internet Access LEA LRPT Correlates: I02, I03, I08, I09, LAS09, TL09, TL15	State: Original Status: In Progress	2008-2011	Administration	Household applications for service, bills for service
2.4.2: The District will expand communication by maintaining current information on the website and teacher webpages, including notices, calendars, newsletters, events, etc. LEA LRPT Correlates: LAS07, LAS09, TL16	State: Original Status: Planned	2011-2014	Webmaster, Teachers	observation
2.4.3: Encourage and support teacher / parent communication through the local parent-teacher organization, PALS. LEA LRPT Correlates: I03, LAS09, TL15	State: Original Status: In Progress	2005-2008	Teachers, Parents	observation

GOAL 3: Develop educational opportunities for parents and community members					
OBJECTIVE 3.1:					
<p>The District will participate in the Distance Learning programs from both ESC Region 2 and Palo Alto to offer both college level courses and Continuing Education Units from various providers to implement a life long learners program</p> <p><i>Budget Amount \$0.00</i> <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 02, 06, 08, 09</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.1.1:	<p>The District will research current offerings from distance learners providers of continuing education and college level course</p> <p>LEA LRPT Correlates: I06, I09, TL13</p>	<p>State: Original</p> <p>Status: In Progress</p>	2008-2011	Campus administrator, technology director	Classes/courses are offered
3.1.2:	<p>The District will offer distance learning activities for Continuing Education Units and college level courses</p> <p>LEA LRPT Correlates: TL13, TL15</p>	<p>State: Original</p> <p>Status: In Progress</p>	2008-2011	Superintendent	Class schedule

GOAL 4: Equip all teachers to use technology resources creatively and proficiently in all areas of instruction and productivity				
OBJECTIVE 4.1:				
<p>All teachers will become proficient and increase effectiveness in the use of technology's tools in their content areas to meet performance standards for the Texas Essential Knowledge and Skills</p> <p><i>Budget Amount \$3,000.00</i> <i>LRPT category: Educator Preparation and Development</i></p> <p>E-Rate Correlates: ER02 NCLB Correlates: 01, 03, 04a, 04b, 11</p>				
<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
<p>4.1.1: The District will establish a minimum technology competency list for all instructional staff to include, as a minimum, the State Board of Educator Certification Standards I - V</p> <p>LEA LRPT Correlates: EP04, EP05, LAS03</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2008-2011</p>	<p>Superintendent, campus principal, technology director</p>	<p>Competency list is complete and adopted by School Board</p>
<p>4.1.2: By the end of this plan all teachers will demonstrate mastery of technology skills with a minimum score of 80% on an annual technology proficiency evaluation</p> <p>LEA LRPT Correlates: EP01, EP04, EP05</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2008-2011</p>	<p>Superintendent, Campus administrator</p>	<p>Annual technology proficiency evaluation results</p>
<p>4.1.3: Teachers will participate in customized technology training.</p> <p>Comments: Year one cost - \$1,000 Year two cost - \$1,000 Year three cost - \$1,000 at-staff development Total Cost - \$3,000 Budget Category - Staff Development</p> <p>LEA LRPT Correlates: EP01, EP02, EP04, EP05, EP08, LAS03, LAS06, LAS10</p>	<p>State: Original</p> <p>Status: Planned</p>	<p>2011-2014</p>	<p>Superintendent, campus principal</p>	<p>Sign in sheets</p>

Budget

Total amount of Title II, Part D formula funds received for the current year of this plan: \$0.00

Method of application for formula funds: REAPed

Budget year 2011		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$1,000.00	\$1000 Local
Telecommunications & Internet Access	\$53,080.00	\$15,924 Local \$37,156 Erate Discount
Materials & Supplies	\$0.00	N/A
Equipment	\$17,400.00	\$17,400 REAP Funds
Maintenance	\$0.00	N/A
Miscellaneous Expenses	\$5,600.00	\$5,600 Local
Total	\$77,080.00	

Budget year 2012		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$1,000.00	\$1,000 Local
Telecommunications & Internet Access	\$53,080.00	\$15,924 Local \$37,156 Erate Discount
Materials & Supplies	\$0.00	N/A
Equipment	\$28,300.00	\$28,300 REAP Funds
Maintenance	\$0.00	N/A
Miscellaneous Expenses	\$2,600.00	\$2,600 Local
Total	\$84,980.00	

Budget year 2013		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$1,000.00	\$1,000 Local
Telecommunications & Internet Access	\$53,080.00	\$15,924 Local \$37,156 Erate Discount
Materials & Supplies	\$0.00	N/A
Equipment	\$32,000.00	\$8,000 Local \$24,000 REAP Funds
Maintenance	\$0.00	N/A
Miscellaneous Expenses	\$2,600.00	\$2,600 Local
Total	\$88,680.00	

Evaluation

Evaluation Process:

The Technology Committee will be responsible for annual reviews of progress made toward achieving the objectives and reaching the goals of this plan. Results of the reviews will be used to update and revise the plan. Findings of the reviews will be provided to the Board of Trustees in a scheduled public board meeting.

Texas STaR Chart results for the campus will be used to help assess progress made toward meeting the goals of the Long Range Plan for Technology.

Evaluation Method:

1. Review of teacher lesson plans and classroom objectives
 2. Records of teacher training sessions
 3. Analysis of student TAKS scores
 4. Evaluation of student produced projects
 5. Analysis of student transcripts
 6. Quarterly reviews of progress made will be conducted by the campus principals and District Technology Task Force.
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MCMULLEN COUNTY 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.