

MCMULLEN COUNTY ISD

Technology Plan

2014 - 2017

Dave Underwood

SUPERINTENDENT

DISTRICT PROFILE

ESC Region 2
 City, State Zip TILDEN, TX 78072-0359
 Phone (361) 274-2000
 Fax (361) 274-3665
 County District Number 162904

| | |
|-----------------------------|-----------|
| Number of Campuses | 1 |
| Total Student Enrollment | 250 |
| District Size | Under 500 |
| Percent Econ. Disadvantaged | 22% |

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|---|--|------------------------------|-------------|---|------------|---|--------|--------------------------------------|-------------|---------------|--------------------|
| Technology Expenditures | \$558,030.00 | | | | | | | | | | |
| Technology budgets reported in plan by category | <table> <tr> <td>Teaching and Learning Budget</td> <td>\$119775.42</td> </tr> <tr> <td>Educator Preparation and Development Budget</td> <td>\$33750.00</td> </tr> <tr> <td>Leadership, Administration and Support Budget</td> <td>\$0.00</td> </tr> <tr> <td>Infrastructure for Technology Budget</td> <td>\$404504.58</td> </tr> <tr> <td>Total:</td> <td>\$558030.00</td> </tr> </table> | Teaching and Learning Budget | \$119775.42 | Educator Preparation and Development Budget | \$33750.00 | Leadership, Administration and Support Budget | \$0.00 | Infrastructure for Technology Budget | \$404504.58 | Total: | \$558030.00 |
| Teaching and Learning Budget | \$119775.42 | | | | | | | | | | |
| Educator Preparation and Development Budget | \$33750.00 | | | | | | | | | | |
| Leadership, Administration and Support Budget | \$0.00 | | | | | | | | | | |
| Infrastructure for Technology Budget | \$404504.58 | | | | | | | | | | |
| Total: | \$558030.00 | | | | | | | | | | |
| Technology Expenditure Per Pupil | \$2232.12 | | | | | | | | | | |
| 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 | 1 student(s) for every computer/iPad | | | | | | | | | | |
| Computer/Teacher Ratio | 1 teacher(s) for every computer/iPad | | | | | | | | | | |
| Number of campuses | 1 | | | | | | | | | | |

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|---|---|
| that need to complete the Texas Campus STaR Chart | |
| Percentage of campuses that have completed the Texas Campus STaR Chart | 100.00 % |
| CIPA Compliance | CIPA compliance was certified by the district on 06/05/2012. The McMullen County ISD Board of Trustees held a public hearing on its Internet Safety Policy and adopted its policy on March 20, 2012. The public meeting was publicized according to district policies and the adoption of the policy is reflected in the minutes of the Board of Trustees Meeting. |

Plan Introduction

Plan Last Edited 06/09/2014

Plan status: approved
Years Included in the Plan: 2014 - 2017
Number of years covered by the plan: 3
Years Approved for the Plan: 2014 - 2017
Number of approved years: 3

Does the district file E-Rate? yes
Submitted plan PRIOR to posting 470.

Technology Planning Committee

Dave Underwood, Superintendent
Joe Timms, Principal
Joel Trudeau, Assistant Principal
Kimberly Underwood, Technology Director
Stacy Randolph, Teacher
Sheri Teal, Teacher
Monica Trudeau, Teacher

Executive Summary

McMullen County ISD's mission is to prepare students for the future by providing an engaging learning experience, with the necessary resources, in a safe and nurturing environment. Our students will demonstrate not only academic achievement, but prove to be productive citizens with lifelong learning goals beyond the classroom. The district's technology objective is to increase student and staff productivity by assuring that all students and staff meet the state standards for technology applications, and aligns with the state's long range plan for technology, the national education technology plan, e-rate requirements, the Children's Internet Protection Act, and the No Child Left Behind requirements. The plan has been updated to reflect changes in strategies, resources, and needs of the district. The goal of all technology expansion is enhanced teaching and learning. Students, teachers and other staff members will use technology to increase efficiency and quality of work.

Over the past twelve 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 single Windows 2003 r2 server to 3 additional Windows 2008 r2 servers. There is a main MDF server room in the high school, with additional IDF server rooms in the elementary and new gym. All buildings are connected by fiber. The District has 4 computer labs running in a mixed wired and wireless scenario.

The district runs 4 Windows R2 Servers with duplicating roles should one fail, all of which are backed up offsite daily. The high school has 4 switches with 132 ports; the elementary has 3 switches with 120 ports; the gym has one 24 port switch.

All networking gear is Cisco equipment, with the Cisco 5500 Wireless Controller, Cisco ASA 5510 Firewall, and Cisco Unity Connection 8.5.1 for all phone VOIP connections. There are 45 access points located throughout the high school, gym, HE, and elementary buildings, including one in every classroom.

Three years ago the District had around 100 networked computers, 52 allocated between 4 labs, 14 for library patrons and 30 for teachers and administrators. Currently this amount has almost doubled with over 190 networked computers: 82 divided between 4 labs,

18 for library patrons, 36 in PreK-6th grade elementary classes, 4 for special education instruction, 50 for district teachers and administrators, and 2 dedicated for secure visitor check in.

There are also currently 310 iPads available throughout the district for 1:1 use for all students and staff. Each elementary class has a set of iPads for instructional use, junior high students are checked out an iPad, but they must remain on campus, and all high school students check out an iPad they may take home, but are returned before summer break. All staff members are issued an iPad for their use year-round as long as they are with the district.

All classrooms are equipped with an Elmo, SMART Board, projector, and Apple TV.

In the past three years the district has moved from 7 networked printers, to 5 networked copiers, located in the offices and workrooms, and 27 networked printers, located in each teacher's classroom, libraries, and computer labs.

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 an Omniaccess 512 router, Elmo document camera, and a Smart Board. Two additional computer labs are available in the high school for online dual credit and outsource teaching.

Software currently in use includes: Windows 7 Operating System and Microsoft Office 2007 & 2010 on all computers, TxEIS GradeBook, Accelerated Reader, Star Reader, Destiny Follett Library & Asset Management Software, Smart Notebook 11, Study Island, A+/Peak K12, Visitor Express, School Messenger, and Adobe Creative Suite, as well as district accounts with Google, Edmodo and DMAC.

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, as well as concerns addressed by the local site base committee.

Existing Conditions:

The district runs 4 Windows R2 Servers with duplicating roles should one fail, all of which are backed up offsite daily. The high school has 4 switches with 132 ports; the elementary has 3 switches with 120 ports; the gym has one 24 port switch.

All networking gear is Cisco equipment, with the Cisco 5500 Wireless Controller, Cisco ASA 5510 Firewall, and Cisco Unity Connection 8.5.1 for all phone VOIP connections. There are 45 access points located throughout the high school, gym, HE, and elementary buildings, including one in every classroom.

The District has over 190 networked computers: 82 divided between 4 labs, 18 for library patrons, 36 in PreK-6th grade elementary classes, 4 for special education instruction, 50 for district teachers and administrators, and 2 dedicated for secure visitor check in.

There are also currently 310 iPads available throughout the district for 1:1 use for all students and staff.

All classrooms are equipped with an Elmo, SMART Board, projector, and Apple TV.

The district has 5 networked copiers, located in the offices and workrooms, and 27 networked printers, located in each teacher's classroom.

The District has 1 dedicated video conference room for dual credit and outsource teaching, as well as 2 additional labs in the high school to be used for class instruction and online 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 Polycom system with an Omniaccess 512 router, Elmo 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, especially as it relates to the iPads, STAAR testing, SMART boards, and other software designed to meet RTI and credit recovery needs of students.

Based on review of current equipment, the district needs to add additional equipment in the ag & fine arts buildings currently under construction, including computers, SMART Boards, Elmos, projectors, Apple TVs, wireless access points, clocks, security cameras, and copiers.

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

The district needs to upgrade all computers to the Microsoft Office 2010 software license.

The district needs to barcode and use the newly acquired Asset Manager to track and maintain technology inventory.

Increase the number of students receiving dual credit and technology certificates through Coastal Bend College, as well as expand course selections for online learning.

Increase current use of software that demonstrates student performance data, such as DMAC, Study Island & A+.

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

Budget Amount \$0.00

LRPT category: Teaching and Learning

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 receive grade level appropriate technology skill instruction within the classroom. LEA LRPT Correlates: TL01, TL03, TL05, TL08 | State: Revised Status: In Progress | 2014-2017 | Administrative Staff & Teachers | Lesson Plans |
| 1.1.2: Pre-Kinder - 6th Grade students will use computer learning centers and tablets to acquire technology skills as described in the TA TEKS LEA LRPT Correlates: TL01, TL03, TL05, TL08 | State: Revised Status: In Progress | 2014-2017 | Administrative Staff & Teachers | Lesson Plans |
| 1.1.3: All High School students will have available a variety of elective computer classes. LEA LRPT Correlates: TL01, TL03, TL05, TL08 | State: Original Status: Planned | 2014-2017 | District & Campus Administrators, Counselor & Technology Teacher | Master Schedule, Student Records |

OBJECTIVE 1.2:

All students will use technology for exploration, collaboration, analysis, synthesis, and presentation of information

Budget Amount \$0.00

LRPT category: Teaching and Learning

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: Revised Status: In Progress | 2014-2017 | Instructional Staff & Campus Administrators | Lesson Plans, Administrator Observation, Student Projects |
| 1.2.2: All K-12th students will participate in a minimum of one student-centered learning project per semester. LEA LRPT Correlates: TL01, TL05, TL08, TL12 | State: Revised Status: In Progress | 2014-2017 | Teachers, Campus Administrators | Lesson Plans, Student Projects & Administrator Observation |
| 1.2.3: Students will use technology to communicate effectively with a variety of audiences a | State: Revised | 2014-2017 | Teachers | Lesson Plans, Administrator Observation |

| | | | | |
|--|---------------------|--|--|--|
| minimum of once per semester in a grade level appropriate manner. LEA LRPT Correlates: TL01, TL08, TL12 | Status: In Progress | | | |
|--|---------------------|--|--|--|

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

Budget Amount \$308,109.72
LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01
NCLB Correlates: 01, 02, 03, 05, 06

| <i>Strategies</i> | | <i>State/Status:</i> | <i>Timeline:</i> | <i>Person(s) Responsible:</i> | <i>Evidence:</i> |
|-------------------|--|--|------------------|---|---|
| 1.3.1: | The District will purchase 25 All-In-One student computers to create an additional computer lab in the new Ag Building. LEA LRPT Correlates: I01, I04, I05, I07 | State: Original Status: In Progress | 2014-2017 | Technology Director | Purchase Order, Observation |
| 1.3.2: | The District will purchase 6 additional SMART Boards w/ necessary attachments for new Ag & Fine Arts Buildings. LEA LRPT Correlates: I05, TL08 | State: Original Status: In Progress | 2014-2017 | Technology Director | Purchase Order, Observation |
| 1.3.3: | The District will purchase 6 Document Cameras for the new Ag & Fine Arts Buildings LEA LRPT Correlates: I05, TL08 | State: Original Status: In Progress | 2014-2017 | 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 administrative goals. LEA LRPT Correlates: I01, I06, TL13 | State: Revised Status: In Progress | 2014-2017 | Technology Director Business Manager | 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. LEA LRPT Correlates: I01, I08 | State: Revised 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 LEA LRPT Correlates: I01, I08 | State: Original Status: In Progress | 2014-2017 | Business Manager | Bills for Service |
| 1.3.7: | The District will purchase Microsoft Office Pro Open Value License Agreement for the District to upgrade all computers to the newest version LEA LRPT Correlates: I07, I09 | State: Original Status: Planned | 2014-2017 | Technology Director Business Manager | Purchase Order |

OBJECTIVE 1.4:
This district will upgrade network infrastructure to meet instructional and administrative needs.

Budget Amount \$78,394.86
LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01
NCLB Correlates: 03, 05, 06, 12

| Strategies | | State/Status: | Timeline: | Person(s) Responsible: | Evidence: |
|------------|--|--|-----------|------------------------|-----------------------------|
| 1.4.1 | The District will purchase the necessary equipment and installation of additional equipment such as clocks, telephones, access points, switches, and necessary cabling for the new Ag & Fine Arts Buildings. LEA LRPT Correlates: I05, TL08 | State: Original Status: Planned | 2014-2017 | Technology Director | Purchase Order, Observation |

GOAL 2: Enhance learning experiences and improve student performance using advanced telecommunications technology

OBJECTIVE 2.1:

The District will continue to support and expand a variety of distance learning opportunities for all students.

Budget Amount \$67,500.00

LRPT category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 03, 04a, 07, 08

| Strategies | | State/Status: | Timeline: | Person(s) Responsible: | Evidence: |
|------------|---|--|-----------|---|--|
| 2.1.1: | The District will continue to support dual credit programs via distance/online learning. LEA LRPT Correlates: I06, I09, LAS13, LAS15, TL08, TL12, TL13 | State: Revised Status: In Progress | 2014-2017 | District and campus administrators | Class Schedule, Student Records, Observation |
| 2.1.2: | The District will research and offer additional high school courses for credit through an online resource. Comments: Year One Cost - \$5,000 Year Two Cost - \$5,000 Year Three Cost - \$5,000 Total Cost - \$15,000 Budget Category Misc. Expense | State: Original Status: Planned | 2014-2017 | District Administrators Technology Director Counselor | Class Schedules, Student Records |

OBJECTIVE 2.2:

The District will share instructional resources using advanced telecommunications technology

Budget Amount \$52,275.42

LRPT category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 03, 04a, 06, 08, 10

| Strategies | | State/Status: | Timeline: | Person(s) Responsible: | Evidence: |
|------------|---|--|-----------|---------------------------------------|--------------------------------------|
| 2.2.1: | The District will implement a program to expand learning opportunities for all staff by sharing teacher resources via advanced telecommunications. LEA LRPT Correlates: I01, I06, LAS13, LAS15, TL08, TL12, TL13 | State: Revised Status: Planned | 2014-2017 | Superintendent & Campus Administrator | Observation, Sign-In Sheets, Agendas |

OBJECTIVE 2.3:

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

Budget Amount \$18,000.00

LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01

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

| Strategies | | State/Status: | Timeline: | Person(s) Responsible: | Evidence: |
|------------|---|---------------|-----------|------------------------|-------------|
| 2.3.1: | The District will expand communication by maintaining | State: | 2014- | Webmaster | Observation |

| | | | | | |
|--------|--|--|-----------|---|--|
| | current information on the website including notices, calendars, newsletters, events, etc. LEA LRPT Correlates: LAS07, LAS09, TL16 | Revised Status: In Progress | 2017 | | |
| 2.3.2: | The district will encourage parent participation and continue to provide access to student grades and attendance via parent portal in TxEIS. | State: Original Status: In Progress | 2014-2017 | Teachers, Parents, Student Data Secretary | Observation |
| 2.3.3 | The district will encourage parent participation and continue to provide access to district announcements regarding safety issues or other campus information via School Messenger | State: Original Status: In Progress | 2014-2017 | Teacher, Parents, Tech. Director | Observation, School Messenger Reports, Bills |

GOAL 3: Equip all teachers to use technology resources creatively and proficiently in all areas of instruction and productivity

OBJECTIVE 3.1:

All teachers will become proficient and increase effectiveness in the use of technology tools in their content areas to meet performance standards for the Texas Essential Knowledge and Skills.

Budget Amount \$33,750.00

LRPT category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 01, 03, 04a, 04b, 11

| <i>Strategies</i> | | <i>State/Status:</i> | <i>Timeline:</i> | <i>Person(s) Responsible:</i> | <i>Evidence:</i> |
|-------------------|--|--|------------------|----------------------------------|------------------|
| 3.1.1: | Teachers will participate in customized technology training such as the iPads, STAAR testing, SMART boards, MS Office and other software designed to meet RTI and credit recovery. LEA LRPT Correlates: EP01, EP02, EP04, EP05, EP08, LAS03, LAS06, LAS10 | State: Original Status: Planned | 2014-2017 | Superintendent, Campus Principal | Sign in Sheets |

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: Local Application

| Budget year 2014 | | |
|--------------------------------------|------------------|---|
| Budget item | Cost | Funding Sources with amount per source |
| Staff Development | \$3,750 | \$3,750 Local |
| Telecommunications & Internet Access | \$89,809.92 | \$26,942.98 Local \$62,866.94 Erate Discount 70% |
| Materials & Supplies | \$21,000 | \$21,000 Local |
| Equipment | \$28,535.43 | \$28,535.43 REAP Funds |
| Maintenance | \$34,763.65 | \$34,763.65 Local |
| Miscellaneous Expenses | \$8,151 | \$8,151 Local |
| Total | \$186,010 | |

| Budget year 2015 | | |
|-------------------------|-------------|---|
| Budget item | Cost | Funding Sources with amount per source |

| | | |
|--------------------------------------|-------------|---|
| Staff Development | \$5,000 | \$5,000 Local |
| Telecommunications & Internet Access | \$78,707.76 | \$30,483.10 Local \$48,224.66 Erate Discount 60% |
| Materials & Supplies | \$21,000 | \$21,000 Local |
| Equipment | \$38,387.59 | \$38,337.59 REAP |
| Maintenance | \$34,763.65 | \$34,763.65 Local |
| Miscellaneous Expenses | \$8,151 | \$8,151 Local |
| Total | \$186,010 | |

Budget year 2016

| Budget item | Cost | Funding Sources with amount per source |
|--------------------------------------|-------------|---|
| Staff Development | \$5,000 | \$5,000 Local |
| Telecommunications & Internet Access | \$78,707.76 | \$30,483.10 Local \$48,224.66 Erate Discount 60% |
| Materials & Supplies | \$21,000 | \$21,000 Local |
| Equipment | \$38,387.59 | \$38,337.59 REAP |
| Maintenance | \$34,763.65 | \$34,763.65 Local |
| Miscellaneous Expenses | \$8,151 | \$8,151 Local |
| Total | \$186.010 | |

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 STAAR 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.

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.