

**MCDADE ISD Technology Plan for E-Rate Year 12**  
2009 - 2012

Bill Kelly  
SUPERINTENDENT

**DISTRICT PROFILE**

ESC Region: 13  
City, State Zip: MCDADE, TX 786500400  
Phone: (512) 273-2522  
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Number of Campuses: 1  
Total Student Enrollment: 198  
District Size: Under 500  
Percent Econ. Disadvantaged: 63.00%

Technology Expenditures: \$125,500.00  
- Teaching and Learning Budget: \$6,000.00  
- Educator Preparation and Development Budget: \$9,000.00  
- Leadership, Administration and Support Budget: \$4,500.00  
- Infrastructure for Technology Budget: \$106,000.00

Technology Expenditure Per Pupil: \$633.84  
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: 4 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: 03/31/2009

Technology Planning Committee:  
Patrick Deviney  
Wayland Cooksey  
Pat Bennett  
Jeannette Williams  
Laurey Wolf  
Gini Carroll  
Shawna Chapman  
Robert Johnson  
Jana Muery

**EXECUTIVE SUMMARY**

Our goal is to prepare our students and enrich our community in the field of technology by:

Equipping our students with the necessary technology knowledge and skills to be successful for future goals and achievements.

Insuring that our students are academically prepared for the challenges that await them in high school and college.

Create a relationship between the school and community by enhancing communication through technology.

### **NEEDS ASSESSMENT**

**Assessment Process:** McDade ISD created a comprehensive needs assessment by utilizing a variety of methods. The district hired a Director of Technology to plan and implement technology programs for the district. The Texas Star Chart was completed for the district by all members of the faculty. The District Technology Committee determined the technology needs based on new information as presented by the Director of Technology.

Data that was collected included:

Student to computer ratio

Teacher to computer ratio

Technology Inventory:

The age and location of every computer on campus

The age and condition of the district's servers

The age and condition of district routers and printers

The current status of the district's network infrastructure

### **Existing Conditions:**

Current Conditions:

18 classrooms with 2-4 student computers in each room. Computers are various ages and dependability and platforms.

Grade-Level lab with 8 Wyse Thin-client units

Grade-Level lab with 7 Dell PCs and 1 laser printer

Grade-Level lab with 12 Dell PCs and 1 laser printer

One cart with 14 Apple machines (Apple IBook, c2002)

One wireless PC cart with 10 laptops. Various conditions with outdated hardware and OS (Win98, Celeron 700 MHz, 56 MB)

Four servers for district applications. (Soon to be 5)

Four CISCO switches, 10MB and 10/100MB capable.  
10MB and 10/100MB backbone between buildings

We presently have a 4:1 computer to student ratio and a 1:1 computer to teacher ratio.

E-mail is web based on a server that is maintained in-house.

The district has 11 classrooms, each with at least three, Cat 5 network connections.

Internet access is obtained via T1 line and filters are by the Education Service Center, Region 13.

### **Technology Needs:**

Identified Needs:

1. Re-build the network infrastructure to create a reliable network with improved speed.
2. Create a plan and budget to replace outdated equipment, and implement new hardware, infrastructure and applications based on the districts short/long range academic objectives.
3. Provide professional development in the SBEC technology standards for educators.
4. Provide professional training for educators in technology integration.

## GOALS, OBJECTIVES, AND STRATEGIES

### **Goal 1: Upgrade and enhance network infrastructure capabilities to provide acceptable performance for on-line testing, multimedia streaming and district applications.**

**Objective 1.1:** Replace Cat 5 wiring and connector in each classroom with Cat 6 wiring and connectors. Evaluate and replace (if necessary) fiber backbone connecting each building. Move MDF to secure location with controlled temperature and humidity capability. Replace all network racks to meet current code and networking specifications. Budget for this objective: \$28,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER02

NCLB Correlates: 03 05 07 11 12

**Strategy 1.1.1:** Budget for cabling infrastructure upgrade and replacement.

State: Original

Status: Planned

Timeline: Three years. Two buildings year one. Two buildings year two. One building, year three.

Person(s) Responsible: Director of Technology, Technology Committee

Evidence: View and test new infrastructure

Comments:

LRPT Correlates: I01, I02, I03, I04, I05, I06, I07, I08, I09, LAS01, LAS15, TL02, TL03, TL04, TL06, TL09, TL10, TL11, TL13, TL14

**Objective 1.2:** Replace network infrastructure switches (currently capable of 10 MB or 10/100 MB) with switches and connectors capable of 10/100/1000.

Budget for this objective: \$8,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER02

NCLB Correlates: 03 05 07 11 12

**Strategy 1.2.1:** Budget for replacement switches, purchase, configure and install.

State: Original

Status: Planned

Timeline: Three years.

Person(s) Responsible: Director of Technology, Technology Committee

Evidence: View and test new infrastructure

Comments:

LRPT Correlates: I01, I02, I03, I04, I05, I06, I07, I08, I09, LAS01, LAS15, TL02, TL03, TL04, TL09, TL10, TL11, TL13, TL14

### **Goal 2: Provide new cost-effective networked client devices to deliver network/internet access to all classrooms, library and grade-level computer labs.**

**Objective 2.1:** Purchase and install four thin-client devices in each classroom and library for student usage.

Budget for this objective: \$36,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER02

NCLB Correlates: 03 05 07 11 12

**Strategy 2.1.1:** Budget for devices, purchase, install and configure.

State: Original

Status: Planned

Timeline: Three years

Person(s) Responsible: Director of Technology, Technology Committee

Evidence: View and test new devices

Comments:

LRPT Correlates: I01, I02, I03, I04, I05, I06, I07, I08, I09, LAS01, LAS15, TL02, TL03, TL04, TL06, TL09, TL10, TL11, TL13, TL14

**Objective 2.2:** Purchase and install 24 thin-client devices for each grade-level computer lab(3) for student usage.

Budget for this objective: \$34,000.00

LRPT Category: Infrastructure for Technology  
E-Rate Correlates: ER02  
NCLB Correlates: 03 05 07 11 12

**Strategy 2.2.1:** Budget for devices, purchase, install and configure.

State: Original

Status: Planned

Timeline: Three years

Person(s) Responsible: Director of Technology, Technology Committee

Evidence: View and test new devices

Comments:

LRPT Correlates: I01, I02, I03, I04, I05, I06, I07, I08, I09, LAS01, LAS15, TL02, TL03, TL04, TL06, TL09, TL10, TL11, TL13, TL14

**Goal 3: Provide networked and in-class educational software at the appropriate levels throughout the district.**

**Objective 3.1:** To acquire application software for network distribution.

Budget for this objective: \$6,000.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01 02 06 07 11

**Strategy 3.1.1:** Budget item and apply for software grants.

State: Original

Status: In Progress

Timeline: 2009-2012

Person(s) Responsible: Director of Technology and Technology Committee.

Evidence: Acquire and implement software that is both accessible and utilized by students of McDade ISD from any network location within the district.

Comments:

LRPT Correlates: EP04, EP06, TL01, TL02, TL05, TL06, TL07, TL08, TL09, TL10, TL11

**Goal 4: To provide staff development in-house or out of district, to all staff members and community.**

**Objective 4.1:** District will provide technology in-house instruction for staff and community members.

Budget for this objective: \$3,000.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 02 03 04a 04b 06 07 08 09 11

**Strategy 4.1.1:** All teachers will take the STAR Chart assessment to determine the needs and strengths of the learning community. Basic instruction will include, but not be limited to: Office, e-mail, trouble shooting, scanner and digital camera use.

State: Original

Status: Planned

Timeline: 2009-2012 for staff 2012 for community

Person(s) Responsible: Director of Technology, Principal, Technology Committee

Evidence: STAR Chart assessment. Teachers will be able to improve their own delivery or instruction with the advancement and the aid of technology.

Comments:

LRPT Correlates: EP01, EP02, EP03, EP05, EP08, I01, I08, LAS01, LAS02, LAS03, LAS04, LAS05, LAS08, LAS12, LAS15, TL03, TL05, TL08, TL09, TL10

**Objective 4.2:** As appropriate, staff development will be provided out of district through Region 13, technology conferences(TCEA,GTC)or other offerings. The district staff will also participate in training that is broadcast by way of the district's distance learning facility. The purpose of this objective is that as many staff as possible take as varied a number of classes as possible in order to develop a broad base of computer knowledge in the district.

Budget for this objective: \$6,000.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 02 03 04a 04b 06 07 09 11

**Strategy 4.2.1:** Staff will attend training through Region 13 for appropriate instructional opportunities. Staff will be made aware of, and encouraged to attend Distance Learning training sessions that can be attended by way of the district's Distance Learning facility. Staff will attend other venues including conferences (TCEA,GTC) and/or consultants for appropriate instructional opportunities.

State: Original

Status: Planned

Timeline: 2009-2012

Person(s) Responsible: Director of Technology, Principal, Technology Committee

Evidence: Effective use of technology equipment, thus better serving the students.

Comments:

LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP07, EP08, EP09, I01, I02, I04, I08, I09, LAS01, LAS02, LAS03, LAS04, LAS05, TL01, TL02, TL03, TL06, TL07, TL08, TL09, TL11, TL12, TL13, TL14, TL15, TL16

**Objective 4.3:** Director of Technology will be trained and current on TEKS, funding/budgeting procedures and new technology devices/applications.

Budget for this objective: \$4,500.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 02 03 04a 04b 05 06 07 08 09 11 12

**Strategy 4.3.1:** Director of Technology will attend VITAL meetings, staff development training, attend technology conferences(TCEA,GTC)or other offerings. The Director of Technology will also participate in training that is received by way of the district's distance learning facility.

State: Original

Status: Planned

Timeline: 2009-2012

Person(s) Responsible: Director of Technology, Principal, Technology Committee

Evidence: STAR Charting results, Technology standards testing, annual review.

Comments:

LRPT Correlates: EP01, EP02, EP03, EP04, EP06, EP07, EP09, I01, I02, I07, I08, LAS01, LAS02, LAS03, LAS04, LAS05, LAS09, LAS10, LAS12, LAS13, LAS14, LAS15, TL01, TL03, TL04, TL05, TL06, TL07, TL08, TL09, TL10, TL11, TL12, TL14, TL15, TL16

**Goal 5: Students will develop TA TEKS-based, grade appropriate competencies.**

**Objective 5.1:** Technology instruction will be integrated into all classrooms to satisfy curriculum objectives.

Budget for this objective: \$0.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 02 03 04a 04b 06 07 08 09

**Strategy 5.1.1:** All classrooms will have the capability to operate 4 computers.

State: Original

Status: Planned

Timeline: 2009-2012

Person(s) Responsible: Director of Technology, Technology Committee

Evidence: Technology will be accessible to more students.

Comments:

LRPT Correlates: EP01, EP02, EP03, EP07, EP09, I01, I02, I03, I04, I05, I09, LAS01, LAS03, LAS04, LAS05, LAS10, LAS11, LAS12, TL01, TL03, TL04, TL05, TL06, TL07, TL08, TL12, TL14, TL16

**Objective 5.2:** Students will be assessed to evaluate TA TEKS-based achievement levels.

Budget for this objective: \$0.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 02 03 04a 04b 05 06 07 09 12

**Strategy 5.2.1:** McDade Technology Committee will develop an instrument to assess technology achievement.

State: Original

Status: Planned

Timeline: August to August 2009-2012

Person(s) Responsible: Director of Technology and Technology Committee

Evidence: Technology Committee will see tangible evidence of growth by local assessment and the Texas Star chart.

Comments:

LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP06, EP07, I01, I02, I03, LAS01, LAS02, LAS03, LAS04, LAS05, LAS07, LAS08, LAS15, TL01, TL03, TL05, TL06, TL14, TL15

**Objective 5.3:** McDade ISD parents will be included in the student achievement process.

Budget for this objective: \$0.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 02 03 09 10 12

**Strategy 5.3.1:** McDade ISD Technology Committee will communicate technology information to the School Board, PTI and Site-Based meetings.

State: Original

Status: Planned

Timeline: August to August 2009-2012

Person(s) Responsible: McDade Technology Committee

Evidence: Meeting minutes will reflect presentations.

Comments:

LRPT Correlates: EP01, EP02, EP03, EP05, EP06, EP07, EP08, EP09, I01, I03, I04, I05, I08, I09, LAS01, LAS02, LAS03, LAS07, LAS08, LAS09, LAS10, LAS11, LAS12, LAS13, LAS14, LAS15, TL01, TL03, TL04, TL05, TL06, TL07, TL08, TL09, TL10, TL14, TL15, TL16

## **BUDGET**

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

Method of application for formula funds: REAPed

Budget for year 2009

- Telecom cost: \$16,000.00
- Telecom source: Technology Allotment and local funds
- Materials cost: \$2,000.00
- Materials source: 500.00 - Title 2 Part D
- 9,500.00 -Technology Allotment and Local
- Equipment cost: \$68,000.00
- Equipment source: 500.00- Title 2 Part D
- 67,500.00 -Technology Allotment and Local funds
- Maintenance cost: \$0.00
- Maintenance source: Technology Allotment and Local funds
- Staff development cost: \$4,500.00
- Staff development source: 325.00 - Title 2 Part D
- 4175.00 - Local funds
- Miscellaneous cost: \$0.00
- Miscellaneous source: Local funds
- Total: \$90,500.00

Budget for year 2010

- Telecom cost: \$16,000.00
- Telecom source: Technology Allotment and local funds
- Materials cost: \$2,000.00
- Materials source: 500.00 - Title 2 Part D
- 1,500.00 -Technology Allotment and Local
- Equipment cost: \$1,000.00
- Equipment source: 500.00- Title 2 Part D
- 500.00 -Technology Allotment and Local funds
- Maintenance cost: \$0.00
- Maintenance source: Technology Allotment and Local funds
- Staff development cost: \$4,500.00
- Staff development source: 325.00 - Title 2 Part D
- 4175.00 - Local funds

- Miscellaneous cost: \$0.00
- Miscellaneous source: Local funds
- Total: 23,500.00

Budget for year 2011

- Telecom cost: \$4,000.00
- Telecom source: Technology Allotment and local funds
- Materials cost: \$2,000.00
- Materials source: 500.00 - Title 2 Part D  
1,500.00 -Technology Allotment and Local
- Equipment cost: \$1,000.00
- Equipment source: 500.00- Title 2 Part D  
500.00 -Technology Allotment and Local
- Maintenance cost: \$0.00
- Maintenance source: Technology Allotment and Local funds
- Staff development cost: \$4,500.00
- Staff development source: 325.00 - Title 2 Part D  
4175.00 - Local funds
- Miscellaneous cost: \$0.00
- Miscellaneous source: Local funds
- Total: 11,500.00

**EVALUATION**

Evaluation Process:

Evaluation of the McDade ISD Long Range Technology Plan will be the primary responsibility of the Director of Technology and Technology Committee.

All aspects of the Plan will be evaluated formally twice each year in August and May.

The intention of the evaluation will be to make decisions on the impact that technology has on the learning process for all students. A report will be given to the Superintendent and the Board of Trustees after each formal evaluation occurs.

Texas STAR Chart results will be used to help evaluate progress made toward accomplishing the goals of the Long Range Plan for Technology.

Evaluation Method:

McDade ISD will also employ the following methods for assessing the goals of this plan.

1. Interviews and/or surveys conducted once each semester by the Director of Technology Committee.
2. Records and reports of staff member attendance in technology integration training. Evaluations by attending teachers and sign-in sheets are required.
3. Implementation of the strategies, methods, and practices acquired in training into the classroom as measured by lesson plans, formal and informal teacher observations, walk-throughs, PDAS, and observed use of technology in student activities, artifacts, and projects.
4. Surveys of the staff conducted annually in September in regard to their use of technology in the classroom.
5. Improved student test scores on state assessment test(TAKS)
6. Monitoring and documentation of community access to technology resources and information on the campuses and on the web site.
7. Monitoring and documentation of community involvement.
8. A comprehensive report stating the condition and inventory of hardware, software and technology infrastructure.
9. The records A comprehensive report stating of support and maintenance needed and provided.