

DUMAS ISD Technology Plan

2014 - 2017

MARK STROEBEL

SUPERINTENDENT

DISTRICT PROFILE

ESC Region 16
City, State Zip DUMAS, TX 79029
Phone (806) 935-6461
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County District Number 171901

Number of Campuses	9
Total Student Enrollment	4603
District Size	3,000 - 4,999
Percent Econ. Disadvantaged	68.61%

Technology Expenditures	\$2,781,933.00
Technology budgets reported in plan by category	Teaching and Learning Budget \$774,687.00 Educator Preparation and Development Budget \$306,600.00 Leadership, Administration and Support Budget \$211,350.00 Infrastructure for Technology Budget \$1,489,296.00 Total: \$2,781,933.00
Technology Expenditure Per Pupil	\$604.37
Number of Campuses with High-Speed Broadband Internet Access	9
Percentage of Campuses with High-Speed Broadband Internet Access	100.00%
Number of Classrooms with High-Speed Broadband Internet Access	476
Percentage of Classrooms with High-Speed Broadband Internet Access	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	9
Percentage of campuses that have completed the Texas Campus STaR Chart	100.00 %
CIPA Compliance	CIPA compliance was certified by the district on 12/17/2013. The Board of Trustees for Dumas ISD held a public meeting on its Internet Safety Policy on June 20, 2011 and adopted its policy on July 25, 2011. The public hearing was publicized according to district policies and the adoption of the policy is reflected in the minutes of the board's meetings.

Plan Introduction

Plan Last Edited 12/17/2013

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

Does the district file E-Rate? yes

Technology Planning Committee

Rhonda Artho - Instructional Technology Coordinator
Mary Catherall - Morningside Teacher
Marilyn Ellibee - Technology Specialist
Cheryl Foard - DHS Teacher
Brenda Hart - DJHS Librarian
Jessica Hise - Cactus Teacher
Greg Lewis - Assistant Superintendent for Business
Jeff Livingston - Asst. Director of Information Technology
Teri Marion - DIS Technology Assistant
Karen McDade - DJHS Teacher
Penny Messick - Green Acres Technology Assistant
Mike Mueller - Director of Information Technology
Brad Powell - DHS Teacher
Stephanie Schilling - Hillcrest Principal

Executive Summary

Dumas ISD is located in Moore County in the northwest part of the Texas Panhandle. The primary industries of the area are agriculture, meat packing, oil and gas production and wind generated power. Numerous service companies, retailers, governmental agencies and a hospital and medical staff serve both the communities and industries in the area.

The US Census estimated that the county's 2012 population would be 22,313 residents up by about 400 persons from the census in 2010 of 21,904 residents and the 2006 estimate of 20,600 residents. Past census reports have indicated a higher rate of non-English speaking residents, a lower graduation rate among residents of at least 25 years of age and a lower number of residents with four year college degrees. These trends continued in the 2010 census where 50.3% of Moore County residents spoke a language other than English in their homes compared to the Texas average of 34.4%, where 71.1% of Moore County residents of age 25 and older had graduated from high school or higher compared to the state average of 80.4% and 13.8% of Moore County residents had a Bachelor's degree or higher while the Texas average was 26.1%.

Recent economic problems in the US are also coming to bear on Dumas ISD. While Texas and Moore County have weathered the economic problems fairly well, funding for public education in Texas was cut by the legislature for the school years of 2011-12 and 2012-13. These cuts had a great impact to Dumas ISD where some three million dollars were cut from the school budget during each of those years. The district's technology budget accounted for about 16 percent of those cuts. Some funding was restored during the most recent legislative session in the spring of 2013, but those increases have not restored the technology budget for Dumas ISD to the level of funding in the 2010-11 school year. Local funds did allow for a significant upgrade to the district's servers, storage systems and the core switches at the technology office in the summer of 2013. Grant funds have allowed the district to place about 280 ipads and tablets in high school English classes, in a junior high science classroom, junior high math classes and in ESL classrooms at Cactus and Morningside Elementaries and at the junior high. On a positive note, no staff positions in Technology were lost over the past two years. The addition of ceiling projectors, document cameras and mobi presenters in every classroom in the district along with wireless upgrades in 2010 have made a positive impact in our schools.

Dumas ISD is committed to the education of all the youth of the district. As the census data shows, Dumas ISD has a higher number of students who come to school with limited English skills. The district has implemented many programs to teach these students English and help them be successful in the regular classrooms as they go through school. In coordination with the Dumas Education Foundation and the Moore County Campus of Amarillo College, the district implemented the QUEST Program. This program makes sure our graduates can afford to attend the first two years of college. Introduction to the program begins in grade school through eighth grade. In ninth grade students begin participating in the program. The QUEST program along with the district's alternative high school, the North Plains Opportunity Center, and special credit recovery programs at Dumas High School are designed to keep our youth on the graduation track and help more students continue their education beyond high school graduation. Students are using technology in these programs for language development through completing high school course work, and teachers are using technology to stimulate these young minds to achieve higher learning.

Dumas ISD is also making an effort to improve communication with parents by having bilingual translators on every campus. The Swift

beef processing plant where many of the parents of our students work has recently hired a community liaison who works to improve communication between Swift workers and Dumas schools. Technology is an important link in communicating with the parents and the public whether through translated documents, the district's parent portal, attendance calling system, email, posters, or web pages.

Amarillo College-Moore County Campus is providing services to those in our community beyond high school age. They have developed programs to meet the needs of those with limited English skills, adult basic literacy programs, job retraining programs, and regular college level plans. A High School Equivalency Program (HEP) is also offered through the college. The HEP program helps migrant and seasonal farmworkers pursue a GED diploma and provide assistance in acquiring a better job or entering college.

These programs and the numerous regular education programs offered in the district and community will help us improve on the English, literacy, and technology skills of our students and citizens, to improve the numbers graduating from high school, and provide the foundation and encouragement as graduates set their goals beyond high school graduation.

Given the above information, the technology plan has been prepared to guide Dumas ISD's decisions in the acquisition and use of technology.

Assessments of the current state of technology, a review of the District and Campus Improvement Plans, and the STaR Charts survey results were reviewed in the process of developing areas needing improvement.

A summary of the needs which were used to develop the goals, objectives, and strategies of the plan include:

- integrating technology into each classroom, library, and office
- staff development
- communication with parents and others
- access to technology

- increases in and replacement of technology equipment

The plan concludes with budget summaries, evaluation, and appendices.

Needs Assessment

Assessment Process:

The technology needs of DUMAS ISD were determined by: the STaR Chart, a survey of technology needs done by the district's staff, a review done by the Technology and Instructional Technology Coordinators, and a review of the District and Campus Improvement Plans.

Existing Conditions:

The STaR Chart result for the key areas show the following overall ratings:

- A. Teaching and Learning - Rating: Developing Tech
- B. Educator Preparation and Development – Rating: Developing Tech
- C. Administration and Support Services – Rating: Advanced Tech
- D. Infrastructure for Technology – Rating: Advanced Tech

The technology survey indicated the following situations and needs:

A. Teachers and administrators are involving the use of technology into their classes and schools. The district has put projectors, document cameras, and mobi slates into every classroom and upgraded the wireless infrastructure to cover all areas of the district. With these upgrades comes the challenge of staff development in the use of these devices and a system to support the daily maintenance requirements.

B. Software is present for staff to perform duties and students to use in math, reading, computer literacy, technology applications and high school classes.

C. Computers in classrooms, libraries and offices need to be updated.

D. Students have access to technology in computer lab and libraries to both supplement classroom instruction and integrate technology into the curriculum. With the recent restructuring of the district, student access to computer labs has increased throughout the district.

The Technology Office's review indicated there are over 2000 computers located on the district's eight local area networks. These networks are tied together by a 1 Gbps, leased wide area network. In the summer of 2013, the district virtualized fourteen servers at the technology office that perform business tasks, keep student information and health records, house files for teachers and students, present curriculum, process email, and give the district a web presence. Internet connectivity is obtained via a 60 Mbps connection to Windstream and made available to all campuses through the district's wide area network.

Other information regarding the current situation of technology at Dumas ISD include:

District-Wide

A. A district Technology Office that is staffed by the Technology Director, an Assistant Technology Director, two Technology Specialists, and a Secretary and the district recently added an Instructional Technology Coordinator.

B. Written policies in place on acceptable use of the Internet, Internet Safety, World Wide Web content, network management, and equipment donations.

C. All computers are connected to the district's network.

- D. Each campus library catalog is networked into the Harrington Library Consortium. Each library has a mini-lab of about 10 computers.
- E. Campuses, except DHS and the North Plains Opportunity Center, have a full-time technology assistant to aid the staff in technology implementation and training. Support at DHS, NPOC and the Central Office is provided by the Technology Office.
- F. A Citrix server allows for remote connections to district resources.
- G. Region 16 Education Service Center provides technical support to the Technology staff and for the student management system.
- H. The district works with local staff and Region 16 Education Service Center to provide technology workshops for teachers and staff.
- I. A district network infrastructure with PoE switches to support the IP telephone system and the district wide wireless network. IP phones are in approximately 180 locations in the district. The wireless system has about 100 percent coverage of the district's buildings at about a 50 percent saturation rate.
- J. About 40 classrooms in the district are using classroom response systems. These are spread proportionally throughout the district, and they represent the first phase of bringing these devices into classrooms at Dumas ISD.
- K. Security camera systems on each campus that are connected to the district network.

Dumas High School (Grades 9-12)

- A. A gigabit, fiber backbone connecting the school's 13 IDF's back to the school's MDF and a wireless connection between the main building and the agriculture building.
- B. Four computer labs where technology classes are taught.
- C. Two computer labs available to all areas of the curriculum and nine portable wireless computer labs for use in classrooms, ESL classrooms and the GearUp program. The junior English classes also have 150 ipads for use by those students.
- D. All classrooms with ceiling mounted projectors, document cameras and mobi presenters.
- E. One computer lab designed for credit recovery opportunities.
- F. A set of Flip video cameras that can be checked out from the Technology Office for use in classroom projects by staff and students.
- A mini-lab in the Disciplinary AEP room with access to online curriculum. North Plains Opportunity Center (alternative high school)
- A. A 10 Mbps connection that joins the campus' MDF to the district's Wide Area Network.
- B. Fifty computers divided among the five classrooms of the campus. This creates a mini computer lab in each classroom.
- C. Each teacher has a laptop computer.
- D. All classrooms with ceiling mounted projectors, document cameras and mobi presenters.

Dumas Junior High School (Grades 7-8)

- A. A gigabit, fiber backbone connecting the school's 4 IDF's back to the school's MDF.
- B. Two computer labs where technology classes are taught.
- C. One computer lab available to all areas of the curriculum
- D. Two mini-labs for ESL (a portable cart used between two classrooms) and a mobile lab of 25 ipads for use in ESL classes
- E. Two mini-labs in the Rtl classrooms
- F. Two portable computer labs for use in any classroom.
- G. A mini-lab in the Disciplinary AEP room with access to online curriculum.
- H. All classrooms with ceiling mounted projectors, document cameras and mobi presenters.
- I. A set of Flip video cameras that can be checked out from the Technology Assistant for use in classroom projects by staff and students.
- J. About 45 android tablets for us in a science classroom and math classes

Dumas Intermediate School (Grades 5-6)

- A. A gigabit, fiber backbone connecting the school's 2 IDF's back to the school's MDF.
- B. One computer lab where technology classes are taught.
- C. One computer lab available to all areas of the curriculum and five portable wireless computer labs for use in Rtl (1), ESL (2), the fifth grade wing (1) and the sixth grade wing (1).
- D. All classrooms with ceiling mounted projectors, document cameras and mobi presenters.
- E. A set of Flip video cameras that can be checked out from the Technology Assistant for use in classroom projects by staff and students.

Dumas Elementary Campuses (Five Campuses, Grades PreK-4)

- A. A gigabit, fiber backbone connecting each school's IDF's back to the school's MDF.
- B. Each campus has one computer lab available to all classes and a portable wireless computer lab for use in any classroom. In addition, Cactus and Morningside each have two portable computer labs and Green Acres and Sunset each have a mini-lab to support ESL needs. Cactus (46) and Morningside (25) also have ipad labs for use in their ESL classrooms.
- C. Each campus has a 10 station Rtl computer lab to work with students.
- D. All classrooms with ceiling mounted projectors, document cameras and mobi presenters.
- E. A set of Flip video cameras that can be checked out from the Technology Assistant for use in classroom projects by staff and students.

Dumas Sports Complex

- A. A 10 Mbps, copper connection brings this complex into the district's WAN. Four other locations are connected with wireless including the press box, Field House 2, the Tennis House, and the Weight Room Building back to the Field House MDF.
- B. Two classrooms at the complex are equipped with ceiling mounted projectors, document cameras and mobi presenters.
- C. Wireless access points are also installed at the two field houses.

Telecommunications Services

Beyond connectivity to the internet which is available at all computers throughout the district, the district maintains an IP telephone system and PRI lines to connect the IP phone system. The communication available from both local and long distance service

provides an essential service to Dumas ISD and its community.

Inventory

The latest inventory of current technology available for student use in Dumas ISD shows the district average is 1 computer for every 4 students. By level the elementary schools average 1 computer for every 5 students, the intermediate averages 1 computer for every 4 students, the junior high averages 1 computer for every 4 students, and the high school averages 1 computer for every 3 students.

Technology Needs:

STaR Chart identified needs:

- Patterns of Classroom Use
- Professional Development
- Technology Budget
- Distance Learning

The technology survey indicated the following needs:

- A. Preparing staff and students to deal with social media and the issue of privacy and how web 2.0 resources can be used in the classroom
- B. Improve communications for all within the district and community
- C. Continuing staff development in use of technology in the classroom with the present software and acquisition of software and training
- D. Software that facilitates instruction in the Technology Applications TEKS and training in all areas of the curriculum
- E. Implementation of technical resources that come with new curriculum adoptions
- F. Software to work with ESL students
- G. Updating hardware for both student, teacher and office locations
- H. Continue to support existing technology devices and acquire more and different technology devices for use in all areas of the district
- I. Maintain and improve the infrastructure that brings technology into the classroom for use by teachers and students

The Coordinators' review indicated the following needs:

- A. Working with the needs of the replacement schedule for computers, servers, printers and network devices
- B. Training for all staff
- C. Funds to support the hardware, software, operating, and training needs

The District and Campus Improvement Plans indicated the following needs:

- A. Staff development in the area of curriculum alignment with the TEKS.
- B. Addressing needs of individual students and groups of students that perform below the 75% level on state testing.
- C. Staff development opportunities in the area of technology

Goals, Objectives, and Strategies

GOAL 1: Integrate technology into curricula and instruction and improve the academic achievement of all students					
OBJECTIVE 1.1:					
Increase the impact of technology in the instructional setting <i>Budget Amount \$355,707.00</i> <i>LRPT category: Teaching and Learning</i> E-Rate Correlates: ER01 NCLB Correlates: 01, 02, 04a, 06, 07, 08, 11, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.1.1:	Teachers integrate technology into student-centered lessons. LEA LRPT Correlates: EP01, I08, TL01, TL02, TL04, TL05, TL06, TL07, TL09, TL11, TL14	State: Original Status: In Progress	2014-2017	Curriculum Directors, Teachers, Librarians, Instructional Technology	Curriculum is aligned with TEKS and includes references to technology use and lesson plans
1.1.2:	Teachers create web-based, multimedia lessons and share these lessons with others LEA LRPT Correlates: TL15, TL16	State: Original Status: In Progress	2014-2017	All staff, Curriculum Directors, Technology Staff, Instructional Technology	Lesson plans and published lessons

1.1.3:	Teachers regularly implement technology application TEKS into classroom activities using classroom, library, lab, and mobile technology. LEA LRPT Correlates: EP09, I09, TL05, TL10, TL12	State: Original Status: In Progress	2014-2017	Curriculum Directors, Teachers, Librarians, Instructional Technology	Lesson Plans
1.1.4:	Teachers monitor student progress toward instructional goals using technology devices. Comments: Classroom response systems and web based application, such as Texas Project Share LEA LRPT Correlates: EP03, LAS08, TL07, TL15, TL16	State: Original Status: In Progress	2014-2017	Curriculum Directors, Teachers and Instructional Technology	Lesson plans
1.1.5:	Teachers will find innovative ways to present lessons using document cameras, projectors and web based resources. LEA LRPT Correlates: EP09, I09, TL05, TL10, TL12	State: Original Status: In Progress	2014-2017	Teachers, Librarians, Principals, Instructional Technology	Lesson plans and walk throughs by principals
1.1.6:	Teachers will integrate the use of laptop computers and hand held devices into lessons to enhance the learning environment and practice real world skills in the classroom. Comments: This will increase the access by students to the use of technology. LEA LRPT Correlates: EP09, I09, TL05, TL10, TL12	State: Original Status: In Progress	2014-2017	Teachers and Principals	Lesson Plans, walk throughs by principals, mobile lab records

OBJECTIVE 1.2:

Provide students with opportunities to master fundamental and advanced technical skills

Budget Amount \$418,980.00

LRPT category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 03, 04a, 06, 07, 08, 09, 10, 11

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.2.1: Students will complete assignments using technology resources, such as, computers, mobile devices, networks, software, online platforms such as Texas Project Share, and problem solving skills. LEA LRPT Correlates: TL01, TL06, TL09, TL10, TL13	State: Original Status: In Progress	2014-2017	Curriculum Directors, Teachers, Librarians, Technology Assistants, Instructional Technology	Curriculum updated and lesson plans
1.2.2: All students will receive computer aided instruction that supports their core academic classwork, appropriate technology application skills practice, problem solving strategies, and research skills that address TEKS based instruction. Comments: Numerous software programs and web based programs will be used. LEA LRPT Correlates: EP02, EP05, I01, TL05, TL06, TL08, TL09	State: Original Status: In Progress	2014-2017	Classroom teachers, technology assistants, principals	Lesson plans and lab records

1.2.3:	<p>Students will use software to foster growth in all academic areas in an interactive and engaging setting.</p> <p>LEA LRPT Correlates: LAS02, TL06, TL09</p>	<p>State: Original</p> <p>Status: In Progress</p>	2014-2017	Curriculum Directors, Teachers and Instructional Technology	Software added to some stations in computer labs and classroom computers; Lexia Reading, Reading Coach, Rosetta Stone, and Accelerated Reader programs
1.2.4:	<p>Post student work on the district and campus web sites and in student portfolios at Texas Project Share</p> <p>LEA LRPT Correlates: TL01, TL05, TL06, TL07, TL08, TL09, TL13</p>	<p>State: Original</p> <p>Status: In Progress</p>	2014-2017	Teachers, Technology Assistants, Webmasters, Instructional Technology	Work is posted
1.2.5:	<p>Credit recovery courses offered at Dumas High School using online curriculum.</p> <p>Comments: Odysseyware</p> <p>LEA LRPT Correlates: LAS10, TL07, TL09</p>	<p>State: Original</p> <p>Status: In Progress</p>	2014-2017	High School Counselors, High School Staff	Student Records
1.2.6:	<p>Provide guidance and support to those students that would benefit from a non-traditional educational placement, including alternative high school and GED programs and Texas Virtual School Network</p> <p>Comments: The Dumas ISD alternative high school is the North Plains Opportunity Center. Dumas High School can not offer GED classes, but cooperates with Amarillo College-Moore County Campus for these services and offers students guidance in this area. Students can take classes not offered at Dumas High School through the Texas Virtual School Network.</p>	<p>State: Original</p> <p>Status: In Progress</p>	2014-2017	Curriculum Directors, principals and counselors at DHS and NPOC, Instructional Technology	District records, student records
	<p>LEA LRPT Correlates: LAS13, TL02, TL04, TL05</p>				
1.2.7:	<p>Provide guidance to adults who are seeking to improve their literacy skills by directing them to the Amarillo College-Moore County Campus or another service provider that would best suit their needs. Dumas ISD provides rooms for classes to meet and resources such as computers and programs.</p> <p>Comments: Dumas ISD provided basic adult literacy classes in the past, but now Amarillo College-Moore County Campus is providing those services along with the many other educational services the college offers.</p> <p>LEA LRPT Correlates: LAS13</p>	<p>State: Original</p> <p>Status: In Progress</p>	2014-2017	Counselors	Materials available AC-MCC, counselor records

1.2.8:	<p>Instruct students in the appropriate use of technology tools and online behaviors involved with growing up in this time of social media and the internet including an Acceptable Use Policy and instruction that covers Internet Safety. CIPA guidelines and web filtering are other also part of this strategy. The district has implemented a district wide internet safety program.</p> <p>Comments: Internet safety is an important issue to all of us in this age of the Internet and social media, especially to the youth.</p> <p>LEA LRPT Correlates: LAS10, TL05, TL14</p>	<p>State: Original</p> <p>Status: In Progress</p>	2014-2017	Principals, Teachers, Instructional Technology Coordinator	AUPs on file, class records from the internet safety program updated by the teachers.
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GOAL 2: To provide staff development to further the effective use of technology in the classroom, office, and the library media center.					
OBJECTIVE 2.1:					
<p>Ensure that the staff will meet the SBEC technology proficiencies</p> <p><i>Budget Amount \$306,600.00</i></p> <p><i>LRPT category: Educator Preparation and Development</i></p> <p>E-Rate Correlates: ER01, ER02</p> <p>NCLB Correlates: 01, 03, 04a, 04b, 06, 07, 08, 11</p>					
<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>	
<p>2.1.1: The district has implemented a local Technology Proficiency program for all staff</p> <p>Comments: Program to assess technology proficiency, coordinate with staff development offerings, and incentives for completion. Alignment with staff evaluation system.</p> <p>LEA LRPT Correlates: EP03, EP04, EP05, EP09, LAS03, LAS06, LAS10, LAS12</p>	<p>State: Original</p> <p>Status: In Progress</p>	2014-2017	Assistant Superintendent for Instruction, Principals, Instructional Technology	Program implemented	
<p>2.1.2: Train teachers in the use of diagnostic tools used to assess student progress.</p> <p>Comments: Using DMAC, iStation and other software; classroom response systems for real time assessment.</p> <p>LEA LRPT Correlates: EP01, EP03, LAS08, TL01, TL02, TL03, TL04</p>	<p>State: Original</p> <p>Status: In Progress</p>	2014-2017	Assistant Superintendent for Instruction, Principals, Curriculum Directors, Instructional Technology	Training session records	
<p>2.1.3: Provide training to assist staff members in integrating technology and TEKS based technology applications into their classroom, office, or library</p> <p>Comments: Provide teachers access and training for multiple software and web based programs. Provide training in Office applications, use of digital files, and lessons that will add interactive classroom projects.</p> <p>LEA LRPT Correlates: EP01, EP04, EP05, EP09, I06</p>	<p>State: Original</p> <p>Status: In Progress</p>	2014-2017	Technology Assistants, Trainers, Region 16 ESC	Training classes	

2.1.4:	New teacher and refresher orientation to the gradebook, attendance, teacher folder on the network, email, internet use, and web site creation. LEA LRPT Correlates: EP01, EP03, LAS03, LAS06, TL02	State: Original Status: In Progress	2014-2017	Technology Assistants and Principals	Training agendas and attendance rosters
2.1.5:	Support the use of the portable wireless computer and mobile device labs, projectors, document cameras, mobis and other technology resources available to classroom teachers and librarians. LEA LRPT Correlates: EP01, EP07, EP09, I02, I05, I07, LAS07, LAS10, TL06	State: Original Status: In Progress	2014-2017	Instruction Technology Department, Technology Assistants and Technology Office	Training session agenda and rosters and evidence of usage

2.1.6:	Support the technology staff LEA LRPT Correlates: EP01, I02, I07	State: Original Status: In Progress	2014-2017	Technology Department, Instructional Technology	Certificates, classes attended, peer support
2.1.7:	Work with each campus to develop and offer technology training. LEA LRPT Correlates: EP01, EP02, EP05, EP09	State: Original Status: In Progress	2014-2017	Instructional Technology, Principals	Training records
2.1.8:	Provide technical support to enhance the use of technology integration into the classroom and library. Comments: Provide daily support to all staff on an as needed basis to foster usage of the new systems the district has installed and assist those integrating technology into their teaching or office work LEA LRPT Correlates: EP05, I01, I07, LAS01, LAS07, TL04, TL05, TL06, TL07, TL09	State: Original Status: In Progress	2014-2017	Technology Assistants, Technology Office and Instructional Technology	Assistance provided
2.1.9:	Send technology staff and others to the TCEA Conference and other workshops as funding permits Comments: Conference offers opportunity to learn about the recent updates in technology, hear from leaders in the field, see vendor presentations, learn of new initiatives from TEA, and network with others in the field. LEA LRPT Correlates: EP03, EP06	State: Original Status: In Progress	2014-2017	All district Technology staff and others	Conference Enrollment
2.1.10:	Provide opportunities for teachers and others to attend Technology training sessions at Region 16 ESC. Comments: Region 16 offers a wide array of technology workshops with even some being offered online. Many of these are in the core curriculum areas. LEA LRPT Correlates: EP01, EP03, EP06, EP09, TL08	State: Original Status: In Progress	2014-2017	Curriculum Directors, Assistant Superintendent for Instruction, Superintendent	Workshop Certificates

GOAL 3: To provide supporting resources, such as services, software, other electronically delivered learning materials, and print resources, that will be acquired to ensure successful and effective uses of technology.

OBJECTIVE 3.1:

To use technology effectively to promote parental involvement and increase communication with parents.

Budget Amount \$155,850.00
LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01
 NCLB Correlates: 05, 06, 09, 10, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
3.1.1:	Maintain the TxEIS system which includes student, personnel, financial records of the district and access by district offices, teachers and parents. This includes maintaining the hardware systems that run TxEIS. LEA LRPT Correlates: I07, I08, I09	State: Original Status: In Progress	2014-2017	Assistant Superintendent for Business, Student Services Director, Technology Director, Principals, Region 16 Staff	System running
3.1.2:	Evening computer lab time where students can invite their parents join them and work together in the educational setting Comments: Supervised setting with opportunity to practice skills learned in class and do research. This provides access to technology that is not available in a number of homes in our communities. It also provides opportunities for parents with limited literacy skills to practice those skills along with their children in the school setting. LEA LRPT Correlates: LAS09, TL09, TL12, TL14, TL15	State: Original Status: In Progress	2014-2017	Principals, Technology Assistants	Lab schedules
3.1.3:	Maintain Netstart content management program for the district, campus and teacher websites Comments: Offer Netstart training in webpage design, how to display student and teacher projects, adding pictures to show education in action. Keep current. LEA LRPT Correlates: I05, LAS04, LAS11, TL12, TL16	State: Original Status: In Progress	2014-2017	Technology Director, Superintendent's Office, Principals, Webmasters and Instructional Technology	Website online

OBJECTIVE 3.2:

Improve resources available for research

Budget Amount \$55,500.00
LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01
 NCLB Correlates: 02, 03, 06, 07, 08, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
3.2.1:	To support online access to databases and research tools for elementary, junior high and high school media centers through the Harrington Library Consortium Comments: From online databases to streaming	State: Original Status: In Progress	2014-2017	Librarians	resources available

	video LEA LRPT Correlates: I05, LAS09, TL09, TL10, TL11, TL13, TL14, TL16				
3.2.2:	Provide training to teachers, students, and parents on the use of online research databases and resources Comments: Training at our schools LEA LRPT Correlates: LAS05, TL06, TL09, TL10, TL11, TL12, TL14, TL16	State: Original Status: In Progress	2014-2017	Instructional Technology Coordinator, Librarians, Technology Assistants, Region 16	Training records
3.2.3:	Support collaboration of teachers and librarians to teach students research skills Comments: Offer training in how technology can support current research projects and provide active learning experience for students LEA LRPT Correlates: EP05, EP09, I08, TL10, TL11, TL12	State: Original Status: In Progress	2014-2017	Instructional Technology Coordinator, Librarians, Teachers, Principals, Region 16 Staff	Schedules and Projects

GOAL 4: To ensure that all students and teachers have increased access to technology.					
OBJECTIVE 4.1:					
New systems, support existing systems and provide for upgrade of technology equipment					
<i>Budget Amount \$1,227,600.00</i>					
<i>LRPT category: Infrastructure for Technology</i>					
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>
4.1.1:	Seek funding from grants, outside agencies, government and local sources to maximize budget funds available for Technology support and improvements. Comments: Dumas ISD has not received ED Tech funds, but the district does receive other funds such as the eRate, grants from the Dumas Education Foundation, donations from PTA/PTO and booster clubs. These funds are combined with the local budget to maximize the ability of the school district to support and improve technology use in the district. LEA LRPT Correlates: I02, LAS02, LAS04, LAS05, LAS06	State: Original Status: In Progress	2014-2017	Assistant Superintendent for Business and all staff	Tech Plan in place, applications for funds, improvements made
4.1.2:	Maintain classroom, library, lab, and mobile computers throughout the district. Comments: replace five plus year old systems as funds permit LEA LRPT Correlates: I04, I07	State: Original Status: In Progress	2014-2017	Technology Department	Systems repaired or in some cases replaced
4.1.3:	Maintain the districts virtualized server farm and mass storage systems and other servers Comments: Keep maintenance contracts on servers LEA LRPT Correlates: I07, I08, LAS03	State: Original Status: In Progress	2014-2017	Technology Department	Systems maintained, plans in place

4.1.4:	Maintain mobi and blue tooth presenters LEA LRPT Correlates: EP09, I04, TL09	State: Original Status: In Progress	2014-2017	Instructional Technology Coordinator, Vendors	Maintenance records
4.1.5:	Maintain the ceiling projectors that are now in all classrooms through the changing of the seasons, cleaning, and changing bulbs LEA LRPT Correlates: EP09, I04, TL09	State: Original Status: In Progress	2014-2017	Technology Department, Vendors	Technology work orders
4.1.6:	Maintain document cameras found in all classrooms of the district LEA LRPT Correlates: EP09, I04, TL09	State: Original Status: In Progress	2014-2017	Technology Department, Instructional Technology Coordinator	Units maintained

4.1.7:	Support and expand the existing WAN/LAN and Wireless infrastructure at each campus and including the Firewall and Router at the Technology Office including funding sources Comments: Current contract for WAN runs until June 2015, district has control of layer 3 and has a uniform VLAN structure at each campus and the sports complex LAN LEA LRPT Correlates: I06, I07	State: Original Status: In Progress	2014-2017	Technology Office	WAN, LANs, wireless network, Firewall, and Routers up and running
4.1.8:	Provide for backups of important data and databases and the restoration of those backups at such time as it may be needed. Comments: Local mass storage systems, Local backups and backups to Region 16's backup system LEA LRPT Correlates: LAS14	State: Original Status: In Progress	2014-2017	Technology Office, Region 16	System in place and monitored
4.1.9:	Support for 1-1 computing projects by expansion of the districts wireless network, PoE switches and campus controllers Comments: The district's wireless infrastructure is in place at a coverage level, but would need additional APs to be at a saturation level if warranted by a project and funding was available LEA LRPT Correlates: I04, TL09	State: Original Status: In Progress	2014-2017	Technology Office, Instructional Technology, Curriculum	Participation in grant workshops, erate program and implementation of 1 to 1 programs when available
4.1.10:	Facilitate the use of form processing service, online application service and phone tree system Comments: The district currently uses SchoolStream to run a forms system, TalentED Recruit & Hire for the online application system and SchoolMessenger for the phone tree system LEA LRPT Correlates: EP03, I01	State: Original Status: In Progress	2014-2017	Technology Department and district staff	Reports from each system

OBJECTIVE 4.2:

Support telecommunications and distance learning systems

*Budget Amount \$261,696.00**LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

NCLB Correlates: 03, 06, 08, 09, 10, 12

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.2.1:	Support the three video conference centers at the district office, Hillcrest Elementary and Morningside Elementary including connectivity to Region 16 and funding to support the service. LEA LRPT Correlates: EP01, EP08, EP09, I03, LAS04, LAS06, LAS15	State: Revised Status: In Progress	2014-2017	Instructional Technology, Technology Director and Superintendent's Office	Operation of the centers and usage records
4.2.2:	Support telephone systems including local and long distance services, PRI service, and the IP phone system including funding sources LEA LRPT Correlates: I01, I07, I08, TL15	State: Original Status: In Progress	2014-2017	Assistant Superintendent for Business, Technology	Services in place
4.2.3:	Maintain adequate Internet service for Dumas ISD including funding sources Comments: Dumas ISD currently in a 4 year contract through June of 2015 with Windstream at 60 Mbps, erate funding LEA LRPT Correlates: I06, LAS04	State: Original Status: In Progress	2014-2017	Technology Director	Internet service is reliable and reports from the LightSpeed Rocket
4.2.4:	Maintain security at the districts firewall, internet filter and email filter Comments: The security of the district's firewall is an important function to daily operations. Also, the district is required to maintain an internet filter and enforce the CIPA guidelines for internet access. Email filtering is an important strategy to running an effective email system and keeping spammers off of our systems to the best degree possible. LEA LRPT Correlates: I03, I05, I06, LAS04, LAS05	State: Original Status: In Progress	2014-2017	Superintendent, Assistant Supt for Business, Technology Department	Security devices and configurations in place
4.2.5:	Maintain the email system including archiving Comments: The district currently uses the iMail email system on a district server, a datacove archive system and a barracuda email filter. Email archiving provides an opportunity to recover lost email. LEA LRPT Correlates: I01, I08	State: Original Status: In Progress	2014-2017	Technology Department	Email services are up

Budget

Budget year 2014		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$185,250.00	100% Local Funds
Telecommunications & Internet Access	\$130,732.00	18% Local Funds 82% eRate
Materials & Supplies	\$241,979.00	100% Local Funds
Equipment	\$2,000.00	100% Local Funds
Maintenance	\$360,700.00	100% Local Funds
Miscellaneous Expenses	\$6,650.00	100% Local Funds
Total	\$927,311.00	

Budget year 2015		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$185,250.00	100% Local Funds
Telecommunications & Internet Access	\$130,732.00	18% Local Funds 82% eRate
Materials & Supplies	\$241,979.00	100% Local Funds
Equipment	\$2,000.00	100% Local Funds
Maintenance	\$360,700.00	100% Local Funds
Miscellaneous Expenses	\$6,650.00	100% Local Funds
Total	\$927,311.00	

Budget year 2016		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$185,250.00	100% Local Funds
Telecommunications & Internet Access	\$130,732.00	17% Local Funds 83% eRate
Materials & Supplies	\$241,979.00	100% Local Funds
Equipment	\$2,000.00	100% Local Funds
Maintenance	\$360,700.00	100% Local Funds
Miscellaneous Expenses	\$6,650.00	100% Local Funds
Total	\$927,311.00	

Evaluation

Evaluation Process:

The Technology Committee will meet twice yearly (mid-year and end of year) to evaluate the plan to ensure that timelines and emerging needs are met. A report will be given to the Superintendent and the Board of Trustees after each evaluation.

Evaluation Method:

Texas STaR Chart results for each campus will be used to help assess progress made toward meeting the goals of the Long Range Plan for Technology. Campus staff will complete this online assessment each year using the following criteria: classroom observations of technology use, review of lesson plans for technology integration, sample student work, computer lab or mobile lab sign-up sheets, and other surveys of technology use correlated to the STaR chart. The campus assessment results will be entered into the online STaR system by the principal and be used by the district in evaluating future technology needs in the areas of instruction, staff development, administration, and infrastructure.

Purchase orders and financial data will be used to document funds expended for technology. Technology inventories will be used to document the acquisition of new, emerging technologies and the effort toward attaining equipment as outlined in the plan.

Appendix

Attachment item A:

Dumas ISD Website

- Web site: <http://www.dumas-k12.net/>

Attachment item B:

Dumas ISD Technology Plan

- Website: <http://www.dumas-k12.net/default.aspx?name=TechPlanning>

Attachment item C:

Dumas ISD Acceptable Use Policy

- Website: <http://www.dumas-k12.net/default.aspx?name=TechPlanning>

Attachment item D:

Dumas ISD District and Campus Improvement Plans

- Web site: <http://www.dumas-k12.net/default.aspx?name=iPlans>

DUMAS 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.



Texas Education Agency

2014 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.

DUMAS ISD (171901)

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 May 07, 2014.

This technology plan covers the period starting on July 1, 2014 ending on June 30, 2017.

A handwritten signature in black ink that reads "Monica Martinez". The signature is written in a cursive style and is positioned above the printed name and title.

Monica Martinez
Associate Commissioner
Standards and Programs

