

# **TULIA ISD Technology Plan**

**2007 - 2010**

**KEN MILLER**

**SUPERINTENDENT**

## DISTRICT PROFILE

**ESC Region** 16  
**City, State Zip** TULIA, TX 790881199  
**Phone** (806) 995-4591  
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**County District Number** 219903

<b>Number of Campuses</b>	4
<b>Total Student Enrollment</b>	1053
<b>District Size</b>	1,000 - 1,599
<b>Percent Econ. Disadvantaged</b>	70.00%

<b>Technology Expenditures</b>	<b>\$953,358.00</b>
<b>Technology budgets reported in plan by category</b>	Teaching and Learning Budget \$122,400.00 Educator Preparation and Development Budget \$279,958.00 Leadership, Administration and Support Budget \$7,000.00 Infrastructure for Technology Budget \$544,000.00 <b>Total: \$953,358.00</b>
<b>Technology Expenditure Per Pupil</b>	\$905.37
<b>Number of Campuses with Direct Connection to Internet</b>	4
<b>Percentage of Campuses with Direct Connection to Internet</b>	100.00%
<b>Number of Classrooms with Direct Connection to Internet</b>	110
<b>Percentage of Classrooms with Direct Connection to Internet</b>	100.00%
<b>Computer/Student Ratio</b>	3 student(s) for every computer
<b>Computer/Teacher Ratio</b>	1 teacher(s) for every computer
<b>Number of campuses that need to complete the Texas Campus STaR Chart</b>	4
<b>Percentage of campuses that have completed the Texas Campus STaR Chart</b>	100.00 %

# Plan Introduction

Plan Last Edited 11/27/2006

<b>Plan status:</b>	submitted
<b>Years Included in the Plan:</b>	2007 - 2010
<b>Number of years covered by the plan:</b>	3

## Technology Planning Committee

Angie Cox, Technology Facilitator  
Johnny McCasland, Technology Coordinator  
Jan Phillips, Student Services  
Johnny Lara, Campus Administrator  
Scott Burrow, Campus Administrator  
Dennis Holt, Campus Administrator  
Casey McBroom, Campus Administrator  
Lisa Martinez, Parent Representative  
Jamie Villegas, Parent Representative  
Clint Burns, Community Representative  
Cynthia Harris, Community Representative  
Donny Prater, Business Representative  
Joel Williamson, Business Representative  
Cody McCauley, Teacher Representative  
Dorothy Hulsey, Teacher Representative  
Shannon Nolen, Teacher Representative  
Cathey Weaks, Teacher Representative  
DeeAnna Carrasco, Teacher Representative  
Dee Mahaney, Teacher Representative  
Tonya James, Teacher Representative  
Susan Anderson, Teacher Representative  
Becky Chapman, Teacher Representative  
Sherella Lewis, Teacher Representative  
Kymm LeMaster, Parent Representative  
Sharla Moudy, Teacher Representative  
Jennifer Emerson, Teacher Representative

## Executive Summary

Tulia Independent School District has developed a technology plan to guide curriculum, staff development, purchasing, and staffing decisions as they relate to technology use in Tulia ISD. Technology goals are aligned with state and national goals and include:

1. Improve student academic achievement and technology literacy through the use of technology in elementary and secondary schools.
2. Encourage the effective integration of technology resources and systems through teacher training and curriculum development that utilize research-based instructional methods.
3. Improve equity and reliability of access to computer equipment and network resources for staff, students, families, and community members.

Recommendations contained within this plan are made as guidelines for hardware purchases and replacement, standardized software purchases, networking standards, and staff development emphasis. The professional development component seeks to model technology integration rather than technology in isolation. By infusing technology into other staff development offerings, the administration of TISD will model technology integration into the curriculum without isolating technology as a separate skill. Evaluating the effectiveness of the goals and strategies contained in this plan will have both a campus focus and a district-wide focus. A variety of assessments measuring both quality and amount of technology integration will be used to guide the ongoing planning and direction for TISD technology.

# Needs Assessment

## Assessment Process:

Needs are assessed by reviewing annual school district staff surveys, hardware and software inventories, and informal interviews with staff, students, and parents. Review of the work order database and any administrative software upgrade requirements also provide data on needs. TAKS benchmarks helped identify academic strengths and weaknesses of students, which may be addressed through appropriate technology integration.

## Existing Conditions:

Tulia I.S.D. currently has 100/1000-base-T Ethernet local area networks (LANs) installed at each of four campuses and the administration facility. The network is segmented using a Layer 3 switch. A total of 10 Novell servers and 2 Windows 2000 servers provide the network's information services, data storage, communication, dhcp and web services.

Classrooms are equipped with at least four network connections and one Pentium II Windows 98 workstation with many rooms having additional Pentium II or better workstations. All TISD offices have at least one network connection. Each TISD professional instructional staff member has a Pentium III 700 MHz notebook computer with wireless network access or a Celeron 1.7GHz or better desktop professional use. Approximately 390 multimedia Window 2000 or Windows XP computers are available for student use yielding an average student to computer ratio of less than 3:1. There are 195 Windows 98 Pentium computers for basic word processing and Internet research. The high school campus has 5 portable notebook labs each of which has 10-11 wireless Windows XP PC's and a wireless laser printer. The junior high campus has two portable notebook labs each of which has 10 wireless Windows XP PC's and a wireless laser printer. The third-fourth-fifth campus has two portable notebook labs of 10 wireless PC's running Windows 98.

Each of the 110 classrooms is also equipped with an inkjet or laser printer. The campuses and the administration building each have at least four networked production laser printers. The primary, intermediate, and junior high campuses are licensed for Inspiration 6.0/Kidspiration and a networked typing program. Additional programs include CEI at High School and the primary campus, plus My Reading Coach and SuccessMaker at the intermediate and junior high campuses.

The five campus LANs are interconnected by the district's wide area network (WAN) consisting of fiber optic cable transmitting at 1 GBPS and seven radio frequency bridges operating at 11 MBPS. Internet connectivity is achieved through the district's WAN which is connected to the Internet via two T-1's, having added an additional line in 2004. All connected classrooms and offices have direct access to the Internet. In addition to classroom and office connections, the district maintains a 24-station student research center, an 18 station technology applications and student research lab, and an 18 station business applications lab at the high school campus. There is a 24-station research lab at the junior high campus, a 32 station SuccessMaker and Research lab at the intermediate campus, and a 20 station research and project lab at the primary campus. Computer-aided instruction labs are located on each of the four campuses. The labs are equipped with Pentium III or faster computers. The high school campus maintains a videoconferencing center for distance learning purposes. TISD is participating in a collaborative distance learning grant to address a need to provide portable videoconferencing and distance learning. We have received and are using a portable video conference system through the grant. All district libraries are automated.

TISD has a caching appliance serving all computers in the district. Internet filtering and reporting is accomplished using a sniffer appliance offered by 8e6 Technologies. The district also maintains a Packet Shaper switch to prioritize bandwidth and Internet traffic. Each classroom has available a large screen (29-34") digital monitor on a rolling multimedia cart for whole class computer displays and instruction. At least one data projector is available on each campus, 7 shared Smart Board electronic whiteboards and 7 NEC data projectors are available for classroom instructional use. Student access to distance learning courses via videoconference has been limited due to the current situation with Amarillo College.

This district uses the Winschool student data programs that include Eclass Grades and Attendance as well as RSCCC data management for school business management. RSCCC runs on a Windows-based format district-wide, with key campus staff members having access to online requisitions and budget administration. Novanet is licensed for use at both the district campuses and at a downtown community computer center. A total of 20 Novanet licenses are available for school and community use.

The elementary and primary campuses each have in place hybrid PBX systems that can provide IP telephony. Softphones are installed on teacher computers on those campuses. There are currently 8 IP connection licenses available for each of the two campuses. There is no direct IP connection (trunking) between the two IP telephony systems due to licensing expense.

Network technicians moved into a new facility in the summer of 2005. This has provided sufficient workspace and storage space and has allowed for climate control for servers. Tulia ISD currently has one full-time Technology Coordinator/Network Administrator-technician, one full time Technology Facilitator/Instructional Specialist, and one part time technology assistant.

## Technology Needs:

Technology needs and issues facing Tulia ISD include:

1. Continue staff development focused on technology integration strategies
2. Acquire/upgrade instructional software to assist struggling learners in TAKS preparation
3. Acquire/upgrade appropriate application software to accommodate the TA TEKS expectations
4. Replace/upgrade computer hardware, software, and network equipment/infrastructure to keep pace with network management, software, and web accessibility requirements.
5. Designate campus-based technology support personnel on all campuses with dedicated time for providing instructional and technical support.
6. Provide training for video streaming and web-based teaching resources
7. Upgrade PBX's at secondary and admin campuses
8. Implement IP telephony across the district
9. Implement technology benchmarks for instructional staff members and office personnel
10. Upgrade connectivity between all campuses and instructional support offices to be capable of increasingly faster data transfer rates.
11. Collaborate with city and county officials to maximize technology availability for underserved populations
12. Transition server/workstation-based programs to web-based as available
13. Install and upgrade computers as necessary to accommodate online assessments and web-based curriculums.
14. Investigate the acquisition and uses of personal mobile computing devices for students and teachers
15. Provide ready access to global experiences for all campuses through the use of distance learning and videoconferencing.
16. Investigate and implement coursework delivery and staff development through online, web-based, interactive means.
17. Improve accessibility of district information and parent communication through Internet technologies.
18. Address legal, ethical, and safety issues with students and staff members.

## Goals, Objectives, and Strategies

<b>GOAL 1: Improve student academic achievement and technology literacy through the use of technology.</b>					
<b>OBJECTIVE 1.1:</b> Modify curriculum to seamlessly integrate all areas of TEKS and technology integration practices.					
<p><i>Budget Amount \$28,500.00</i>  <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER01, ER02            NCLB Correlates: 01, 02, 03, 04a, 04b, 07, 08, 11, 12</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.1.1:	Deliver staff development which models classroom technology integration strategies.  LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP06, EP07, EP09, TL01, TL02, TL05	State: Original  Status: In Progress	7/07-6/10	Technology Facilitator Campus Administrators	Sign-In Sheets Staff Development Evaluations Teacher Lesson Plans Indicating Technology Integration
1.1.2:	Vertically align curriculum for each subject and grade level which incorporates the K-8 technology applications TEKS into foundation and enrichment curriculums  Comments: Curriculum Coop \$7,100/yr  LEA LRPT Correlates: LAS10, TL01, TL02, TL05, TL06, TL07, TL08, TL14	State: Original  Status: In Progress	7/07-6/09	Director of Special Programs  Technology Facilitator Classroom Teachers Campus Administrators	Curriculum Documents showing technology applications integration
1.1.3:	Document lesson plans and TEKS implementation using web based lesson planning and curriculum tools.  Comments: SchoolWorkSite/OnCourse Systems \$2400/yr  LEA LRPT Correlates: TL01, TL02, TL04, TL12, TL16	State: Original  Status: In Progress	07/07-06/10	Principals Instructional staff	Lesson Plans posted in database
1.1.4:	Investigate research-based technology immersion packages that provide online technology resources in foundation area courses.  LEA LRPT Correlates: I02, I04, I05, I07, TL01, TL02, TL04, TL05, TL06, TL07, TL08, TL09, TL12, TL15	State: Original  Status: In Progress	07/07-06/10	Technology Coordinator Technology Facilitator Director of Special Programs  Campus Administrators Campus Instructional Technology Specialists	Written comparison of technology immersion packages
<b>OBJECTIVE 1.2:</b>					
Give every student the opportunity to be technology literate by the time the student finishes the eighth grade with additional opportunities for advanced technology literacy offered in grades 9-12  <p><i>Budget Amount \$0.00</i>  <i>LRPT category: Teaching and Learning</i></p>					

E-Rate Correlates: ER01 NCLB Correlates: 01, 02, 03, 04a, 05, 06, 07, 08, 11, 12					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.2.1:	Use subscription based Technology Applications curriculums as recommended and funded by TEA  LEA LRPT Correlates: I01, I06, TL01, TL02, TL05, TL06, TL09	State: Original  Status: In Progress	07/07-06/10	Technology Facilitator Director of Special Programs  Campus Instructional Technology Specialists Campus Administrators	Lesson plans indicating classroom use Student completion reports
1.2.2:	Provide opportunities for students and teachers to participate in distance learning and online coursework.  LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP08, LAS10, LAS15, TL01, TL02, TL08, TL09, TL12	State: Original  Status: Planned	07/07-06/10	Principals Technology Facilitator	Number of teachers and students registering and completing distance learning courses.
1.2.3:	Deliver student-centered classroom instructional units that implement technology and require higher order thinking.  LEA LRPT Correlates: TL01, TL02, TL05, TL07, TL08, TL09	State: Original  Status: Planned	07/07-06/10	Campus Administrators Classroom Teachers	Lesson Plan Database
<p><b>OBJECTIVE 1.3:</b> Implement minimum technology expectations for students, teachers, and administrators.</p> <p><i>Budget Amount \$0.00</i> <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 01, 02, 03, 04a, 04b, 07, 11</p>					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.3.1:	Establish benchmark skills and integration criteria for teacher use of classroom technology.  LEA LRPT Correlates: EP04, EP05, EP05	State: Original  Status: Planned	07/07-06/09	Campus Administrators Campus Technology Assistant Technology Coordinator Technology Facilitator	Skill rubrics created.
1.3.2:	Identify appropriate personnel to administer technology benchmark checklists.  LEA LRPT Correlates: EP04, EP05, EP05, EP09	State: Original  Status: Planned	07/08-06/09	Campus Administrators	List of identified personnel
1.3.3:	Correlate completion of technology benchmark standards with PDAS expectations for technology	State: Original  Status:	07/07-06/09	Campus Administrators	PDAS results

	LEA LRPT Correlates: EP04, EP05, EP05	Planned			
1.3.4:	Identify minimum student expectations for acquisition and application of technology skills.  LEA LRPT Correlates: TL06	State: Original  Status: Planned	07/07-06/09	Campus Performance Objectives Committee	Expectations identified in campus plans
<p><b>OBJECTIVE 1.4:</b> Provide equipment, software, online resources, and training necessary for daily technology integration.</p> <p><i>Budget Amount \$255,458.00</i> <i>LRPT category: Educator Preparation and Development</i></p> <p>E-Rate Correlates: ER01, ER02 NCLB Correlates: 01, 02, 03, 04a, 04b, 05, 06, 07, 08, 11, 12</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.4.1:	Offer a minimum of 12 hours of technology-infused staff development annually.  LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP06, EP08, LAS08, LAS10, LAS12	State: Original  Status: In Progress	07/07-06/10	Campus Administrators District Administrators Technology Facilitator	Staff Development Catalog
1.4.2:	Schedule ongoing professional development including lesson planning support, model teaching, and observation/feedback addressing technology implementation.  LEA LRPT Correlates: EP01, EP02, EP04, EP05, EP05, EP08, EP09, TL01, TL05	State: Original  Status: Planned	07/07-12/08	District Administrators Campus Administrators Technology Facilitator	Professional Development opportunities identified and implemented
1.4.3:	Evaluate existing and new software resources to support TAKS preparation for struggling students.  LEA LRPT Correlates: TL04, TL05, TL07, TL12, TL13	State: Original  Status: In Progress	07/07-06/10	Technology Coordinator Campus Instructional Technology Specialists Campus Administrators	Software evaluation reports
1.4.4:	Purchase research-based instructional hardware, software and online resources to support academic intervention programs for diverse students as appropriate.  Comments: \$76,000 for miscellaneous online resources, hardware and software.  LEA LRPT Correlates: I01, TL01, TL04, TL05, TL07, TL08, TL09, TL12, TL13	State: Original  Status: In Progress	07/07-06/10	Technology Coordinator Campus Administrators Campus Technology Committee Campus Instructional Technology Specialist	Programs purchased and in use Computer-generated student progress reports
1.4.5:	Continue to use video streaming and interactive video fieldtrips that provide relevant curriculum content as appropriate.  LEA LRPT Correlates: EP03, EP04, EP08, EP09, I01, I05, I09, TL05, TL08, TL09, TL10, TL12, TL13, TL15	State: Original  Status: In Progress	07/07-06/10	Campus Administrators	Video Streaming Purchased Participation in Video Field Trips Number of Teachers Trained

1.4.6:	Investigate funding sources for and educational benefits of personal wireless computing devices for students and staff.  LEA LRPT Correlates: I03, I04, I05, LAS05, TL04, TL06, TL07, TL08, TL09, TL12, TL16	State: Original  Status: Planned	07/07-06/10	Technology Coordinator Technology Facilitator Campus Administrators	Information presented in a district staff meeting.
1.4.7:	Upgrade lab and classroom computers according to established replacement cycle as feasible.  LEA LRPT Correlates: I01, I02, I04, I05, I07, I08, I09	State: Original  Status: In Progress	07/07-06/10	Technology Coordinator District Administrators	Replacement cycle in place and utilized
<p><b>OBJECTIVE 1.5:</b> Create communities of inquiry and knowledge building by immersing students in a technology environment, which uses educational software resources, distance learning resources, and online curriculum content to provide anytime-anywhere learning.</p> <p><i>Budget Amount \$93,900.00</i> <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER01, ER02 NCLB Correlates: 01, 02, 03, 04a, 04b, 05, 06, 07, 08, 11, 12</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.5.1:	Identify and use technology driven projects (ex. Globe Science, NASA Projects) that support higher order thinking, global collaboration, and problem solving skills  LEA LRPT Correlates: TL01, TL04, TL05, TL06, TL07, TL08, TL09, TL12, TL13, TL15	State: Original  Status: In Progress	07/07-06/10	Campus Administrators Campus Technology Committee Members Classroom Teachers	Projects/resources purchased and implemented Student-produced projects demonstrating HOTS
1.5.2:	Implement online curriculums as appropriate, ie. Novanet, Social Studies, McGraw-Hill Online, etc.  Comments: Novanet \$27,000/yr  LEA LRPT Correlates: TL01, TL02, TL04, TL05, TL06, TL07, TL08, TL09, TL12, TL13, TL15	State: Original  Status: In Progress	07/07-06/10	Campus Administrators Director of Special Programs  Technology Facilitator Technology Coordinator	Resources installed Number of Teachers Trained to use them Teacher lesson plans indicating patterns of usage
1.5.3:	Identify and use distance learning and online video resources as appropriate.  Comments: Video Streaming \$2800/yr Video Fieldtrips \$1500/yr  LEA LRPT Correlates: I01, I02, I05, TL01, TL04, TL05, TL08, TL09, TL12, TL13, TL15, TL16	State: Original  Status: In Progress	07/07-06/10	Technology Facilitator Campus Administrators Classroom Teachers	Videoconference resources available through ESC 16 Teacher Lesson Plans indicating use of distance learning resources Staff Development Summaries Indicating use of distance learning resources for training
1.5.4:	Provide staff development opportunities that focus on global collaboration and problem solving  LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP06, EP07, EP08,	State: Original  Status: Planned	07/04-06/07	Campus Administrators District Administrators Technology Facilitator	Annual Description of Staff Development offerings

	EP09, LAS03				
1.5.5:	Consider use of a web-based academic portal for student and teacher coursework.  LEA LRPT Correlates: I01, I09, TL01, TL05, TL08, TL09, TL12, TL13, TL15	State: Original  Status: Planned	07/07-06/10	Technology Facilitator Technology Coordinator	Enrollment numbers for web-based portals.
<p><b>OBJECTIVE 1.6:</b> Develop and foster community partnerships to provide extended technology access to underserved populations</p> <p><i>Budget Amount \$0.00</i> <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 01, 02, 03, 06, 07, 08, 09, 10, 11, 12</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.6.1:	Collaborate with city, county, and other local agencies to provide access to online and adult education content  LEA LRPT Correlates: I09, LAS07, LAS09, LAS10, LAS13	State: Original  Status: In Progress	07/07-06/10	Technology Coordinator Superintendent Technology Facilitator	Online content available at community access center
1.6.2:	Promote the use of distance learning through videoconferencing and online sources for statewide meetings, advanced courses, and college and continuing education classes.  LEA LRPT Correlates: I02, LAS07, LAS13, LAS15, TL05, TL06, TL09, TL15	State: Original  Status: In Progress	07/07-06/10	Video Site Administrator High School Counselor	Video Sign-in Sheets Internet access filtering logs
1.6.3:	Publicize community access Technology Centers through school communications media  LEA LRPT Correlates: LAS07, LAS13, TL12, TL13, TL15	State: Original  Status: In Progress	07/07-06/10	Campus Administrators Channel 8 coordinator	Number of parent communications with info about access centers
1.6.4:	Implement Parent/Community Technology Centers in designated areas where feasible  LEA LRPT Correlates: I09, TL15	State: Original  Status: In Progress	07/07-06/10	Campus Administrators Campus Technology Committee Members	Sign in sheets for Technology Centers
1.6.5:	Integrate technology into parent and community involvement programs and presentations as appropriate.  LEA LRPT Correlates: I09, TL15	State: Original  Status: In Progress	07/07-06/10	Campus Administrators	Percentage of Parent/Community Involvement programs that are technology-integrated.
<p><b>OBJECTIVE 1.7:</b> Provide a safe teaching and learning environment.</p> <p><i>Budget Amount \$12,000.00</i> <i>LRPT category: Infrastructure for Technology</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 01, 02, 03, 05, 06, 12</p>					

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.7.1:	<p>Research and implement technology-based security resources and equipment as needed.</p> <p>Comments: Security Alarm Systems \$4000</p> <p>LEA LRPT Correlates: I01, I06, LAS01, LAS05</p>	<p>State: Original</p> <p>Status: Planned</p>	07/07-06/10	Tech Coordinator Business Manager	Equipment purchased, installed, and working properly.
1.7.2:	<p>Inform students and staff members of legal, ethical, and safety issues in online environments.</p> <p>LEA LRPT Correlates: TL14</p>	<p>State: Original</p> <p>Status: Planned</p>	07/07-06/10	Campus Administrators Technology Coordinator Technology Facilitator	Lesson plans documenting instructional delivery. Records of online participation in related staff development.

**GOAL 2: Encourage the effective integration of technology resources and systems through teacher training and curriculum development that utilize research-based instructional methods**

**OBJECTIVE 2.1:** Model technology integration through relevant staff development topics to equip teachers with skills necessary to integrate technology on a daily basis.

*Budget Amount \$0.00*  
*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER02  
NCLB Correlates: 01, 04a, 04b, 07, 11

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.1.1:	<p>Design and use online staff development modules that model higher order thinking and global collaboration as appropriate.</p> <p>LEA LRPT Correlates: EP03, EP04, EP05, EP07, EP08, EP09</p>	<p>State: Original</p> <p>Status: Planned</p>	07/07-06/10	Superintendent Campus Administrators Technology Facilitator	Course registrations
2.1.2:	<p>Schedule staff development on techniques that assist teachers in assessing technology implementation and higher order thinking skills in lesson plans.</p> <p>LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP07, EP08, EP09, LAS10, LAS15, TL01, TL05</p>	<p>State: Original</p> <p>Status: Planned</p>	07/07-08/08	Special Programs Director Technology Facilitator Campus Administrators	Levels of Technology Implementation (LoTI) in Staff Development
2.1.3:	<p>Integrate technology into face to face staff development as appropriate.</p> <p>LEA LRPT Correlates: EP09, LAS03, LAS10, LAS12</p>	<p>State: Original</p> <p>Status: Planned</p>	07/07-06/10	Superintendent Director of Special Programs Campus Administrators Technology Facilitator	Frequency of technology use in staff development

**OBJECTIVE 2.2:**

Provide district and/or campus-based instructional support staff specializing in technology integration

*Budget Amount \$0.00*  
*LRPT category: Leadership, Administration and Support*

<p>E-Rate Correlates: ER02 NCLB Correlates: 01, 02, 03, 04a, 04b, 11</p>					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.2.1:	<p>Utilize campus-based instructional technology specialists as appropriate.</p> <p>LEA LRPT Correlates: EP09, LAS10, TL06, TL09, TL12</p>	<p>State: Original</p> <p>Status: In Progress</p>	07/07-06/10	Superintendent Campus Administrators	Specialists Appointed
2.2.2:	<p>Provide time for dedicated campus-based instructional technology support as appropriate.</p> <p>LEA LRPT Correlates: EP09, LAS10</p>	<p>State: Original</p> <p>Status: Planned</p>	07/07-06/10	Campus Administrators	Support schedules in place.
<p><b>OBJECTIVE 2.3:</b> Provide staff development targeting effective technology implementation.</p> <p><i>Budget Amount \$15,000.00</i> <i>LRPT category: Educator Preparation and Development</i></p> <p>E-Rate Correlates: ER02 NCLB Correlates: 01, 02, 03, 04a, 04b, 06, 07, 11, 12</p>					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.3.1:	<p>Offer MarcoPolo Online Staff Development</p> <p>LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP05, EP06, EP07, EP08, EP09</p>	<p>State: Original</p> <p>Status: Completed</p>	07/07-06/10	Technology Facilitator	Course Completion Certificate
2.3.2:	<p>Offer Intel Thinking Tools Staff Development</p> <p>LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP05, EP06, EP07, EP08, EP09, TL02, TL04, TL05, TL06, TL09</p>	<p>State: Original</p> <p>Status: Planned</p>	07/07-06/10	Technology Facilitator Campus Administrators	<p>Training listed on staff development schedules</p> <p>Workshop sign-in sheets</p>
2.3.3:	<p>Offer research-based LoTI (Levels of Technology Implementation) staff development and ongoing support.</p> <p>Comments: LoTI Trainer Costs \$5000.00</p> <p>LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP05, EP06, EP07, EP08, EP09</p>	<p>State: Original</p> <p>Status: Planned</p>	07/07-06/10	Director of Special Programs Technology Facilitator	<p>Staff Development sign in sheets</p> <p>Products generated from staff development</p>
<p><b>OBJECTIVE 2.4:</b> Establish and promote just-in-time self-service staff development opportunities including online and campus-based mentors, web-based staff development, and email instructional support.</p> <p><i>Budget Amount \$9,500.00</i> <i>LRPT category: Educator Preparation and Development</i></p> <p>E-Rate Correlates: ER02 NCLB Correlates: 01, 02, 03, 04a, 04b, 06, 08, 11, 12</p>					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:

2.4.1:	Offer web-based and distance learning staff development opportunities with synchronous and asynchronous communication options for sharing and collaboration of instructional ideas.  Comments: Captivate Software for producing Flash demos. \$100 ea. x 5  LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP06, EP07, EP08, EP09	State: Original  Status: Planned	07/07-08/09	Tech Coordinator  Tech Facilitator	Class rosters and completion rates for web-based training
2.4.2:	Promote web-based and distance learning staff development  Comments: Instructional Technology Contract w/ESC16 \$3000.00 /yr.  LEA LRPT Correlates:	State: Original  Status: Planned	07/07-06/10	Special Programs Director Technology Facilitator Campus Administrators	Reminders, schedules, and messages sent
2.4.3:	Identify and schedule campus instructional technology specialists  LEA LRPT Correlates: EP09, LAS10, TL02, TL04, TL06, TL07, TL09	State: Original  Status: In Progress	07/07-06/10	Campus Administrators	Instructional Specialists identified and scheduled
2.4.4:	Develop guidelines to allow staff development credit for web-based and distance learning training.  LEA LRPT Correlates: EP08, I08, LAS10, TL13	State: Original  Status: Planned	07/07-06/08	Superintendent Campus Administrators	Guidelines established

**GOAL 3: Improve equity and reliability of access to computer equipment and network resources for staff, students, families, and community members.**

**OBJECTIVE 3.1:** Purchase, upgrade or replace technology equipment and supporting software as needed to ensure reliable access

*Budget Amount \$208,500.00*  
*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01  
NCLB Correlates: 01, 02, 03, 05, 06, 08, 09, 10, 11, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
3.1.1:	Upgrade lab and classroom hardware as needed  Comments: Tech Allotment \$29,000 Special Ed \$10,000  LEA LRPT Correlates: I01, I02, I03, I04, I05, I06, I07, I08, I09, TL09, TL10, TL11	State: Original  Status: In Progress	07/07-06/10	Technology Coordinator	All computers able to run designated software adequately.
3.1.2:	Upgrade/replace core network infrastructure including file servers, wireless access, and switching equipment as needed.  Comments: Tech Equipment \$12,000	State: Original  Status: In Progress	07/07-06/10	Tech Coordinator	Servers Replaced

	LEA LRPT Correlates: I01, I02, I03, I04, I05, I06, I07, I08, I09, TL09, TL10				
3.1.3:	Maintain and support distance learning and videoconferencing equipment compatible with communication standards.  Comments: Videoconferencing Contract w/ESC16 \$4500  LEA LRPT Correlates: I02, I03, TL15, TL16	State: Original  Status: In Progress	07/07-06/10	Tech Coordinator	Equipment performs as required.
3.1.4:	Maintain license agreements for Network Operating Systems, Zenworks, GroupWise email, anti-virus, filtering, caching, Anti-Executable and Deep Freeze, student management software, business/accounting software, imaging and other critical software.  Comments: Technology Maintenance/Support Contracts \$14,000  LEA LRPT Correlates: I02, I03, I07	State: Original  Status: Planned	07/07-06/10	Tech Coordinator	Licenses Purchased
<p><b>OBJECTIVE 3.2:</b> Secure appropriate bandwidth and communications services for instructional and administrative needs.</p> <p><i>Budget Amount \$178,500.00</i> <i>LRPT category: Infrastructure for Technology</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 03, 05, 06, 11, 12</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.2.1:	Purchase Internet bandwidth to meet instructional and administrative needs.  Comments: \$16,800 per year for T1 \$9,300 per year for Internet Access and Video  LEA LRPT Correlates: I02, I03, TL15, TL16	State: Original  Status: Completed	07/07-06/10	Tech Coordinator	Bandwidth added
3.2.2:	Increase WAN connection speed using purchased or leased connectivity up to 1 GBPS as feasible.  Comments: Estimated costs for Sonet fiber optic connection to administration building and primary campus \$9,000/yr  LEA LRPT Correlates: I02, TL15, TL16	State: Original  Status: Planned	07/07-06/10	Tech Coordinator	Faster connectivity leased or purchased.
3.2.3:	Purchase software upgrades to increase bandwidth capacity on packet shaper as needed.  LEA LRPT Correlates: I02, TL15, TL16	State: Original  Status: In Progress	07/07-06/10	Tech Coordinator	Bandwidth capacity increased
3.2.4:	Maintain telephone and communication systems.  Comments: Telephone costs annually: Local \$19,200; Long Distance \$900; Wireless \$4300	State: Original  Status: In Progress	07/07-06/10	Technology Coordinator Technology Facilitator	Communication systems operational

LEA LRPT Correlates: I01, I05, I06, TL15					
<p><b>OBJECTIVE 3.3:</b> Implement web-accessible programs for staff, parent, and community involvement.</p> <p><i>Budget Amount \$3,000.00</i>  <i>LRPT category: Leadership, Administration and Support</i></p> <p>E-Rate Correlates: ER01                  NCLB Correlates: 05, 06, 09, 11, 12</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.3.1:	Research options for granting parents online access to their child's academic and cafeteria records.  LEA LRPT Correlates: I09, LAS11	State: Original  Status: Planned	07/07-06/10	Tech Coordinator	Options identified
3.3.2:	Consider implementing secure access for parents to view their child's academic and cafeteria records.  LEA LRPT Correlates: LAS11	State: Original  Status: Planned	07/08-06/10	Superintendent	Decision made
3.3.3:	Upgrade district website to accommodate online learning and accessibility.  LEA LRPT Correlates: EP08, I03, I05, I08, TL09, TL13	State: Original  Status: Planned	07/07-06/08	Technology Facilitator	Accessible website in place.
3.3.4:	Provide web-based forms for communication between parents and teachers as appropriate.  LEA LRPT Correlates: I08, LAS09	State: Original  Status: Planned	07/07-06/10	Webmaster	Forms Created Number of uses
<p><b>OBJECTIVE 3.4:</b> Acquire equipment necessary to test, analyze, and troubleshoot the network</p> <p><i>Budget Amount \$4,000.00</i>  <i>LRPT category: Leadership, Administration and Support</i></p> <p>E-Rate Correlates:                  NCLB Correlates: 05, 06, 12</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.4.1:	Purchase and use network analyzing, testing and maintenance equipment as feasible.  LEA LRPT Correlates: I01, I02, I03, I05, I06, I07, I08, I09	State: Original  Status: Planned	07/07-06/10	Technology Coordinator	Equipment purchased
3.4.2:	Purchase upgrades for network bandwidth management as required.  LEA LRPT Correlates: I01, I02, I03, I04, I05, I06, I07, I08, I09	State: Original  Status: Planned	07/07-06/10	Technology Coordinator	Upgrades Purchased
<p><b>OBJECTIVE 3.5:</b>                  Implement advanced communication systems as appropriate</p> <p><i>Budget Amount \$115,000.00</i>  <i>LRPT category: Infrastructure for Technology</i></p>					

E-Rate Correlates: ER01 NCLB Correlates: 03, 05, 06, 09, 12					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
3.5.1:	Purchase and use wi-fi enabled PDA's, cell phones, or combination devices as appropriate for administrative, maintenance, and instructional tasks.  Comments: Technology Supplies \$5000  LEA LRPT Correlates: I01, I02, I03, I04, I05, I06, I07, I08, I09, TL04, TL07, TL08, TL09, TL15, TL16	State: Original  Status: Planned	07/07-06/10	Tech Coordinator Business Manager	Equipment Purchased
3.5.2:	Use Erate funds to upgrade district PBX's to IP compatible communication systems as feasible.  Comments: PBX's for TJH, THS, and Admin plus IP licenses \$97,300--Erated as internal connections.  LEA LRPT Correlates: I01, I02, I03, I04, I05, I06, I07, I08, I09, TL16	State: Original  Status: Planned	07/07-06/09	Tech Coordinator	PBX's upgraded
3.5.3:	Purchase and install IP telephones and related connectivity software and hardware as feasible.  Comments: Phones and headsets \$13,000 over 3 yrs  LEA LRPT Correlates: I05, I09, TL05, TL16	State: Original  Status: Planned	07/07-06/09	Tech Coordinator Campus Administrators	Items Installed
3.5.4:	Provide training on communication system tools.  LEA LRPT Correlates: EP08, EP09, TL15, TL16	State: Original  Status: Planned	07/07-06/10	Tech Facilitator	Number of staff members using communication equipment
<p><b>OBJECTIVE 3.6:</b> Upgrade electrical capacity to better meet network infrastructure needs</p> <p><i>Budget Amount \$30,000.00</i> <i>LRPT category: Infrastructure for Technology</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 03, 05, 06, 12</p>					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
3.6.1:	Add circuits and electrical outlets on campuses as needed.  LEA LRPT Correlates: I02, I03, I04, I05, I06, I07, I08, I09	State: Original  Status: In Progress	07/07-06/10	Business Manager Maintenance Supervisor	Circuits and outlets installed

## Budget

Total amount of Title II, Part D formula funds received for the current year of this plan: \$3,260.00

Method of application for formula funds: REAPed

<b>Budget year 2007</b>		
<b>Budget item</b>	<b>Cost</b>	<b>Funding Sources with amount per source</b>
Staff Development	\$5,000.00	40% Local 60% Federal
Telecommunications & Internet Access	\$59,458.00	21% Local 79% Federal (Erate & other)
Materials & Supplies	\$5,000.00	100% Local
Equipment	\$142,300.00	25% Local 55% Federal Erate 20% State Tech Allotment
Maintenance	\$84,000.00	100% Local Includes Network Technician Salary and Maint contracts
Miscellaneous Expenses	\$76,600.00	45% Local 55% Federal
Total	\$372,358.00	

<b>Budget year 2008</b>		
<b>Budget item</b>	<b>Cost</b>	<b>Funding Sources with amount per source</b>
Staff Development	\$7,500.00	40% Local 60% Federal
Telecommunications & Internet Access	\$61,000.00	21% Local 79% Federal (Erate & other)
Materials & Supplies	\$5,000.00	100% Local
Equipment	\$55,000.00	29% Local 53% State Tech Allotment 18% Federal Sp Ed or Title I
Maintenance	\$84,000.00	100% Local
Miscellaneous Expenses	\$78,000.00	45% Local 55% Federal
Total	\$290,500.00	

<b>Budget year 2009</b>		
<b>Budget item</b>	<b>Cost</b>	<b>Funding Sources with amount per source</b>
Staff Development	\$7,500.00	40% Local 60% Federal
Telecommunications & Internet Access	\$61,000.00	21% Local 79% Federal (Erate & other)
Materials & Supplies	\$5,000.00	100% Local
Equipment	\$55,000.00	29% Local

		53% State Tech Allotment 18% Federal Sp Ed or Title I
Maintenance	\$84,000.00	100% Local
Miscellaneous Expenses	\$78,000.00	45% Local 55% Federal
Total	\$290,500.00	

# Evaluation

**Evaluation Process:**

The TISD Technology committee will meet at least once per year to assess the plan's progress. Updates will be made at that time or as needs arise. The superintendent and technology facilitator will coordinate the plan evaluation with the committee and will distribute findings. The technology plan and related documents will be available on the district website for public review.

**Evaluation Method:**

Quantitative measures for evaluating project goals are listed in the attached Objectives/Strategies pages. Additional quantitative evaluation measures include use of staff and student use surveys, checklists, and observations.

Qualitative evaluation strategies will identify the degree to which staff and students have met stated objectives for technology integration. A combination of peer review, PDAS evaluations by principals, teacher self-reports, criterion rubrics, and mentoring will be used to identify quality of technology integration and the increasing ability of teachers to integrate technology into instruction. Specific evaluation criteria will be based on the LoTI (Levels of Technology Implementation) Assessment and the Texas STaR Chart.

Student performance on TAKS will be reviewed each year with the technology impact on those scores being identified through correlation with TAKS prep software reports.

Classroom projects demonstrating student mastery of the Technology Applications TEKS will be used to determine student technology proficiencies.

Checklists will be used to evaluate the acquisition and deployment of technologies and telecommunication services.

The technology committee will review the timeliness of implementation through comparison with the timelines stated in the technology plan. Adjustments will be made as needed.

## Appendix

**Attachment item A:**

Electronic Communication and Data Management Administrative Regulations CQ (Including CIPA policy)

PDF file:  [http://www.tuliaisd.net/index/subpages/districtinfo/regmanual/CQ\\_regulation.pdf](http://www.tuliaisd.net/index/subpages/districtinfo/regmanual/CQ_regulation.pdf)

**Attachment item B:**

Network Diagram

PDF file:  <http://www.tuliaisd.net/index/subpages/districtinfo/pdffiles/network.pdf>

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