

Technology Plan 2006-2009



Lutie R-VI School District

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Theodosia, MO 65761

<http://schoolweb.missouri.edu/lutie.k12.mo.us>

Board Approved: March 1, 2006

Includes Library Media Centers

Chris Felmlee, Superintendent

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DESE Approved April 2006

2006-2009 Tech Plan Lutie R-VI

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Introduction

Our society has truly moved from the Industrial Age into the Information Age. We find that the age and culture in which we now live is impacted in a substantial way by a wide variety of technologies. The students entering the Lutie R-VI School District today will graduate and live in the 21st century. We can no longer merely look to the past to determine how the educational process must operate. We must, to the best of our ability, anticipate the future needs of our society and prepare our students to be productive citizens in that society.

The Lutie R-VI School District is comprised of 63 certified and support staff. The Lutie R-VI School District is comprised of one elementary school, and high school. High school students also have the advantage of attending South Central Career Center located in the West Plains School District. There are 102 seventh grade through twelfth grade students in the high school and 111 kindergarten through sixth grade students. The staff has made a commitment to provide the best education possible for all of our students. It is our belief that public education must be designed to prepare students for the future. Even though we are a small rural K-12 district, located in Ozark County in primarily a resort and farming based community, we are preparing them for a workplace and a home environment that is technologically oriented and which will demand workers and parents whom can use higher order thinking skills. Thus, we believe that students must be empowered with the tools necessary to learn how to learn in an information-based, technologically oriented society. In order to accomplish this, we, as educators must be visionary in our application of knowledge, technology, and educational methods. We must provide educational programs that will prepare students to function in a world in which much of the technology and knowledge they will use has not yet even been discovered.

To this end, the Lutie R-VI School District believes that technology exists as a very powerful, essential tool in the education process for both students and staff. Technology is not a separate curriculum, but an appropriate part of every curriculum at every level of instruction. A key word in this process is "appropriate." Technology for technology's sake is a waste of precious resources. But, technology used in an appropriate way will bring tremendous rewards.

Meeting the educational needs of 213 students are board approved curricula, including an integrated technology curriculum, and comprehensive education programs including the following: Parents as Teachers Program, gifted program, Virtual High School, Collegiate credit courses, extracurricular activities, Vocational Training, and numerous other programs.

MSIP and CSIP

The last Missouri School Improvement (MSIP) review was during November 2005. The district received an accredited rating. The Comprehensive School Improvement Plan (CSIP) approved at the April 2005 board meeting.

District Goals

1. The Lutie R-VI School District will affect an annual 4% increase in student performance on the MAP. (6.3., 6.7.)
 - The District will provide in-services, resources, and support for all educational programs. (PreK, K-6, and 7-12) (6.3.1.)
 - The District and District PDC will continue to oversee and support the mentoring program. (PreK-12) (6.7.6.)
 - The District will instruct teachers in the use of performance assessment tasks to increase student scores on MAP tests. (K-12) (6.3.4.)

2. The Lutie R-VI School District will increase yearly attendance by .5% and decrease the drop-out rate by .5%. (10.1., 6.2., 8.11., 6.3., 6.4., 7.2., 6.3.)
 - The District will implement a comprehensive attendance policy. (K-12) (10.1.1.)
 - The District will implement an incentive program that will provide encouragement and reward for attendance. (K-12) (6.2.2.)
 - The District will provide a comprehensive health/nutrition program to identify and serve all students to insure healthy and productive lifestyles. (PreK-12) (8.11.1.)
 - The District will provide innovative and well-designed programs that address the needs of both at-risk students and higher level students. (K-6 and 7-12) (6.3.6., 6.4.4., 7.2.2.)
 - The District will offer alternative pathways for the development of life skills. (7-12) (6.3.5.)

3. The Lutie R-VI School District will provide an educational program for student achievement that will result in an increase in student performance by 4% in the top two levels and reduce the number of students by 4% in the bottom two levels in the areas of Communication Arts and Math on the MAP, with the inclusion of Science in 2006 and Social Studies in 2008. (6.4., 6.3., 6.5., 6.1.)
 - The District technology upgrades will address the implementation of instructional strategies within individual classrooms and media labs. (K-12). (6.4.1.)

- The District will provide students with opportunities for extended learning services that will provide students using a variety of alternative delivery systems. (PreK-12). (6.3.5.)
 - The District will provide a schedule for Title, special education, and regular education teachers to collaborate to identify and support the needs of at-risk students. (PreK-12) (6.5.2.)
 - The District will review/revise written curriculum guides for all curricular areas that are completely aligned with state requirements. (K-12) (6.1.4.)
 - The District will implement a scientifically based reading program K-8. (6.3.3.)
4. The Lutie R-VI School District will provide community involvement opportunities with outreach and educational activities. (8.7., 7.6.)
- The District will provide a governance structure based on the Accelerated Schools Process that encourages whole community involvement. (8.7.2.)
 - The District will provide community education opportunities to enrich and encourage life-long learning. (7.6.1.)
 - The District will provide health and wellness outreach activities to the community. (7.6.1.)
 - The District will provide social outreach events for the community. (7.6)
 - The District will provide opportunities for input from staff and community for the long range plans of the District. (8.7.1.)
 - The District will utilize a variety of formats that will provide communication between the District and its patrons. (8.7.2.)

Technology Plan Format

This plan evaluates the 2003-2006 goals in relationship to the five Technology Focus Areas, analyzes the progress of the prior technology plan, then developed Goals and Objectives to address the TFA's weaknesses while maintaining the strengths of the previous plan. The plan is set in a table format aligned with DESE's Technology Plan Scoring Guide. Each TFA contains appropriate data analysis information, goals, objectives, action plans, and benchmark strategies.

Lutie R-VI Technology Planning Committee

Summary

The Lutie R-VI School District's Technology Planning Committee includes members from the student body, parents, teaching staff, classified staff, administrators, technical support personnel and community members. The committee evaluates, discusses technology issues, and develops future goals for implementing technology within the district. Technology planning in the Lutie R-VI School District consists of a two-phase process. We utilize the accelerated schools process through which cadres provide general input and suggestions for our school-based programs and report to the Steering Committee. One area the cadres address is technology.

The district level technology committee is responsible for district-wide technology planning and implementation. Needs are determined by analyzing curriculum; keeping abreast of current technology developments; analyzing currently available hardware and software; considering the recommendations of the broad-based advisory committee; and through surveys of teachers, school board members, parents, students, and administrators. In addition, teachers are invited to comment on technology needs through the use of electronic mail. Thus, there is an ongoing dialog that helps focus technology needs.

When looking to the future technology needs of the district we realize funding sources will change and we must be even more conscientious in our funding search. We look to providing more service through upgrades than previous replacements and thus we see the need for continued technology support through a designated Technology Coordinator to help keep costs down and still provide appropriate technology for our students and staff. We also look to our students as a source of technology not only as technical staff but as mentors for staff and their peers. Education is not a one-way street and collaboration in the field of technology will ensure everyone continues to excel in the field of technology.

The district wide committee meets two to three times a year to review goals, policies, and procedures. The Technology Planning Committee is open to discussion and suggestions from all district employees, students, parents, and business and community members that are also not currently serving on the committee.

Students	TFA 1: Student Learning TFA 2: Teacher Preparation TFA 3: Administration TFA 4: Resources TFA 5: Technical Support
School Administration	
Teachers K-12	
Parents	
Classified Staff	
Technical Services	
Vocational Instructors	
Library/Media Services	
School Board Members	
Business & Community Patrons	

District Technology Team			
Name	Position/Affiliation	Category	TFA Addressed
Chris Felmlee	Superintendent	Administration/ Elementary School Parent	1; 2; 3; 4; 5
Charles Brown	Elementary Principal, Director of Special Education	Administration, Special Education	1; 2; 3; 4; 5
Cindy McKee-Pirch	High School Principal, COE Instructor	Administration, Vocational Instructor	1; 2; 3; 4; 5
Lois Honeycutt	Technology Coordinator, Computer Design Instructor	Teaching Staff, Technical Services	1; 2; 4 ; 5
Joy Cutbirth	High School Business Instructor	Teaching Staff, Vocational Instructor, Parent	1 ; 4
Ron Misek	High School Math & Portfolio Design Instructor, Business Owner	Teaching Staff, Parents	1 ; 4
Brenda Johnston	3 rd Grade eMINTS Instructor	Teaching Staff	1 ; 4

Megan Noah	Senior-Virtual High School Student	Student	1
Danielle Noah	Junior-Virtual High School Student	Student	1
Matthew England	Junior-Virtual High School Student	Student	1
Colin Williams	Senior-Virtual High School Student	Student	1
Norman Hartman	Board President	Business & Community Patrons, School Board Members	3; 4
Bruno Jeziorski	Board Member, Parent, Business Owner	Business & Community Patrons, School Board Members, Parents	3; 4
Glenda Dean	Library Media Specialist, Parent	Library/Media Services, Parents	1; 2; 4; 5
Gail Misek	High School Secretary, Business Owner	Classified Staff	4

Lutie R-VI Technology Mission Statement

The technology mission of the Lutie R-VI School District is to incorporate technology into the educational environment in such a way that it will encourage problem solving, exploration, and learning in the classroom. Technology will promote student-centered learning, while providing the most innovative learning tools accessible for all students and staff. Restructuring the learning environment will increase student achievement; support a comprehensive information system; encourage communication and develop lifelong learners. We feel with these skills all students will go from school to post-secondary school or work with a greater feeling of self-esteem and confidence prepared to use their abilities and special talents. The district wide curriculum and the technology professional development program will increase student achievement and MAP scores while preparing students to meet their future goals within a technologically changing world based on the district's CSIP Goals.

District Mission Statement

The Lutie Board of Education, faculty, and staff strive to create an atmosphere that fosters self-respect and a sincere belief in the fundamental worth and dignity of every person. We believe, given time and appropriate resources, all students can learn and succeed. We are dedicated to assisting each student in his or her efforts to achieve maximum potential as a worthy and contributing member of an ever-changing society. We feel students will go from school to post-secondary school education or work with a greater feeling of self-esteem and confidence prepared to use their abilities and special talents. It is our belief that in order to develop well-rounded individuals, the effective utilization of instructional

time is essential in the achievement of district goals. Students not displaying achievement appropriate to their abilities in basic skills shall be provided with support services that enhance achievement. Therefore, the mission of Lutie R-VI Accelerated School District is to **empower all students to succeed in a changing world.**
Revised December 2001

Current Status - Compiling Raw Data

The following Standardized Assessments, Local Performance Assessments, Surveys and Records were used to examine the current status, strengths, and weaknesses of the five Technology Focus Areas.

Data Analyzed	Data Source	Data Origination	Reviewed By
Missouri Assessment Program (MAP) Scores/Summary	Standardized assessment	State	TFA 1
ACT Test Scores/Summary	Standardized assessment	National	TFA 1
PLAN Test Scores/Summary	Standardized assessment	National	TFA 1
Lutie Curriculum Curriculum Guides Technology Benchmarks (Competencies)	Student and Teacher Standards	District	TFA 1; 2
Missouri School Improvement Program (MSIP) Advance Questionnaire District Response to the Standards Technology Integration Library	Survey	District	TFA 1; 2
Census of Technology (2003-2005)	Survey	District/State	TFA 1; 4; 5

Professional Development Surveys	Survey	District	TFA 2
Library Media Center's Reports/Surveys Monthly Reports Core Data Reports Collection Development Plan Faculty and Student Surveys	Survey Evaluation forms Annual Reports	District State	TFA 1; 4; 5
Lutie Plans Comprehensive School Improvement Plan (CSIP) 2003-2006 Technology Plan Annual Technology Department Evaluation	Local Assessments	District	TFA 1; 2; 3; 4; 5
Administrative Networking Tools Filtering Software/Reports Automated Call Account Reports	Administrative Networking Tools	District	TFA 3; 4; 5
Network Evaluation Tools MoreNet Internet Bandwidth Usage Report (Netflow Reports via MyMOREnet service) Internet Traffic by Protocol	Administrative Networking Tools	State	TFA 3; 4; 5
District Communication Tools Phone System Microsoft Outlook	Communication Tools	District	TFA 3; 4; 5
Data Management Tools Excel Nutrikids - menu planning, production records, menu costing, recipes, nutrition, inventory) Library Automation Software/Reports (Spectrum) Electric Alignment Tools - (Curriculum)	Data Management Tools	District State	TFA 1; 3; 4; 5
Board of Education approved Policies and Procedures meet CIPA			

<p>guidelines: Technology/Internet Agreement includes Filtering Employee Technology/Internet Agreement (AUP) Student Technology/Internet Agreement (AUP) Technology/Internet User Agreement Violation Report Form Copyright Policy Gifts to the School District</p>	<p>Policies and Procedures</p>	<p>District</p>	<p>TFA 1; 3; 4; 5</p>
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Current Status of TFA's

TFA 1: Student Learning

Achievement Data: Since 2002 the district's ACT scores have remained consistently within the average range of composite 20. The percentage of students scoring at the Advanced and Proficient levels on the MAP test at the high school has increased in all areas. The graduation rate has increased from 79% in 2002 to 85.6% in 2004.

Third and seventh grade APR MAP Reading Index decreased.

Technology Integration: Technology is integrated in the curriculum as indicated. The process of integration within all curricula areas is an ongoing process and will be annually reviewed with each revision cycle.

TFA 2: Teacher Preparation

Building Professional Development Workshops: Workshops are provided during regularly scheduled professional development days. These workshops focus on grade appropriate uses of technology within the classroom and how to develop lesson plans requiring students to use technology as a production tool.

TFA 3: Administration, Management and Communications

Administrative Software Applications:

- 100% of all district employees have access to Outlook for their email accounts and managing their calendar
- Lemberger is used to manage student information
- FrontPage 2003 and Dreamweaver are used to design and develop the district's web site pages

TFA 4: ResourcesCensus of Technology:

District Summary Report for LUTIE R-VI				
Category	LUTIE R-VI		Missouri	
	2003	2004	2003	2004
Total Computers ⁽¹⁾	279	241	270,368	273,636
-- Students Per Computer	0.80	0.90	3.3	3.3
Internet Capable Computers	279	241	254,908	265,591
-- Students Per Internet Capable Computer	0.80	0.90	3.5	3.4
Internet Connected Computers	79	163	222,522	245,824
-- Students Per Internet Connected Computer	2.81	1.34	4.0	3.6
Estimated Number of Total Classrooms	34	33	66,290	66,840
-- Estimated Number of Classrooms Yet to Be Connected	0	-1	2,645	5,349
-- Percent of Classrooms Yet to Be Connected	0.00%	-3.03%	4.0%	8.0%
District Enrollment	222	218	893,575	893,146
Pct Free & Reduced Lunch	87%	78%	39.4%	40.7%
<small>1 Total Computers, Total Internet Capable Computers and Total Internet Connected Computers are computers that are defined as instructional computers. (Computers located in classrooms, libraries and/or computer labs.)</small>				
<small>Table Posted February 4, 2005</small>				

Note: Our Census of Technology totals are not correct. We have a total of 163 computer in our K-12 school and the information following reflects the totals in this statement.

District Ratio of Students to Computers		
Years	2003	2004
# of Computers	160	163
# of Students	222	218
Ratio of Student/Computer	1.38/1	1.33/1

2003-2006 Statement of Existing Resource District Infrastructure: District wide T1 WAN									
Building/ Total Computers	Location	Microsoft Op. Sys. (Licenses)	File Server Specifications	# of Pentium IV	# of Pentium III or II Class	# of Pentium I or II Class	# of AMD Class	# of 486 or <	# of Celeron
Administration Workstations: 7	Offices	Win XP Pro		6	1				
Servers (DHCP/File) 2			P4--2.5Ghz, 1GB, 80GB HD P3-1Ghz, 1GB, 60GB HD + 8 GB HD	1	1				
High School Satellite Students: 95 Ratio: 1.18:1	LMC & Classrooms	Win. 98 Win XP Pro		70	3				8

Workstations: 81				
Elementary	LMC & Classrooms	Win 98	16	40
Students: 100		Win XP Pro		5
Ratio: 1.61 :1				
Workstations: 62				

TFA 5: Technical Support

The Technology Coordinator provides all technical support for the district on a daily basis, except when major network wiring is to be done. There is also the occasional need for outside contract work on servers or laptops.

Total Cost of Ownership

Total cost of ownership is imbedded within each TFA chart under the title 'Est. Cost'. From 2003 to 2006 district funding for technology has increased. The chart below shows the increase in district funding for technology:

Total Technology Budget	
The Total Cost of Ownership is embedded within each TFA	
2003-2006	Yearly \$36000

2006-2009 Total Cost	
Supplies	\$15,000
Software	\$6000
Instructional Computer equipment	\$30000
Non-Instructional Computer Equip.	\$2000
Technology Staff	\$25000
Total	\$78000

Funding for technology comes from a number of sources. In addition to district funding, classroom teachers are encouraged to write public and private grants to integrate technology in their classrooms. District-wide technology grants are written to enhance technology in multiple buildings when available, Title II, Title VI, and Vocational Enhancement Grants have also been used to fund technology. We have also had private donations to augment our technology for the district. The school district is aware of the ongoing expense of maintaining technology in the district.

Evaluation of Previous Plan's 2003-2006 Technology Plan Goals

The following is a chart of the 2003-2006 Technology Plan Goals. The goals are listed in column one, the progress of the goals is stated in column two, and the addressed TFA is in the third column.

2003-2006 Technology Goal and Strategy	Goal/Objective Met, Progressing, Not Progressing, Corrective Steps	TFA
Goal 1: Student achievement will be increased at all levels.	Met	Student Learning
<u>Strategy 1</u> ACT preparation opportunities will be enhanced by obtaining computerized software for student use. MSIP 6.4*1*2, 6.9*3*4,9.3 CSIP 4.2, 4.2.1, 5.1.4	Met	Student Learning
<u>Strategy 2</u> The Accelerated Reader Program will be enhanced through implementation of additional computer tests to correlate with the reading material available in the library and classrooms. MSIP 6.3*2*3*4, 6.4*1*2*4, 6.8*1*4, 9.2 CSIP 6.1.1	Met	Student Learning
Goal 2: The use of technology in the delivery of instruction will be increased.	Met	Student Learning
<u>Strategy 1</u> PC to TV converters will be added to classrooms to allow for technology-enhanced instructional methods. 6.3*2*5*6 6.4*1-*4, 6.8*1*4 CSIP 4.1	Met	Student Learning
<u>Strategy 2</u> In-service on use of the ITV equipment will be conducted for all instructors to increase use of facility for instructional strategies. MSIP 6.3*2*5*6 6.4*1-*4, 6.7*1*3*6 CSIP 4.1	Met	Student Learning

<u>Strategy 3</u> In-service on LAN system will be conducted for all instructors to increase network use for instruction. MSIP 6.3*2*5*6 6.4*1-*4, 6.7*1*3*6 CSIP 3.1, 3.1.1	Met	Student Learning
<u>Strategy 4</u> The establishment of a keyboarding class will increase use of technology for delivery of instruction. MSIP 6.4*-*4, 6.7*1*3*6, 6.9*3*4, 9.4*2*4 CSIP 3.1	Met	Student Learning
<u>Strategy 5</u> In-service on use of available computer hardware and software will enhance classroom delivery of instruction. MSIP 6.3*2*5*6, 6.4*1-*4, 6.7*1*3*6 CSIP 4.1	Met	Student Learning
Goal 3: The use of management resources will be increased to streamline administrative processes and aid in the identification of areas of need.	Progressing	Student Learning
<u>Strategy 1</u> The Lemberger program will be purchased and installed on the network for generation of administrative reports. MSIP 6.1*2, 6.3*4*6, 6.7*4 CSIP 6.	Progressing	Student Learning
<u>Strategy 2</u> Curriculum will be input on the Electronic Alignment Tool to increase data management opportunities. 1MSIP 6.1*1-*4 CSIP 4.1	Progressing	Student Learning
<u>Strategy 3</u> MAP data will be disseminated to faculty through the use of the Clear Access Program to identify areas of instructional need. MSIP 6.1*1, 6.4*1*2, 6.2*5 CSIP 4.2.	Met	Student Learning
Goal 4: The district will continue to contract with MOREnet for internet services. MSIP 6.7*1*3*6, 6.9*3*4, 9.4*2*4 CSIP 4.2.2	Met	Student Learning

<u>Strategy 4</u> In-service on LAN system will be conducted for all applicable staff to increase network use for administrative and data management purposes. MSIP 6.3*2*5*6, 6.4*1-*4, 6.7*1*3*6 CSIP 3.1	Met	Student Learning
Goal 5: Staff and student access and use of appropriate technology resources will be increased.	Met	Student Learning
<u>Strategy 1</u> The district will purchase licenses of owned software to maintain the proper number for copyright purposes and allow for maximum access. MSIP 6.4*1*2*4, 6.8*1*4 CSIP 4.2.2, 5.1	Met	Student Learning
<u>Strategy 2</u> The district will continue to contract with MOREnet for internet services. MSIP 6.4*1*2*4, 6.3*5 CSIP 4.2.2, 5.1	Met	Student Learning
<u>Strategy 3</u> The establishment of a keyboarding class will increase student access to appropriate technology for instruction. MSIP 6.1*1, 6.4*1*2*4, 9.4*2*4 CSIP 4.1, 4.2.2	Met	Student Learning
<u>Strategy 4</u> PC to TV converters will be added to classrooms to allow for simultaneous access to technology-enhanced instruction for all students in each classroom. MSIP 6.2*1, 6.4*1*2*4, 6.8*1*4 CSIP 4.1	Met	Student Learning
<u>Strategy 5</u> In-service on application of available technology will be conducted to increase staff confidence and use. MSIP 6.4*1*2*4, 6.7*1*3*4, 6.8*1*4 CSIP 3.1	Met	Student Learning
<u>Strategy 6</u> The Accelerated Reader program will be enhanced through the addition of additional computer tests to correlate with the reading material available in the library and classrooms. MSIP 6.4*1*2*4, 6.7*1*3*4 CSIP 6.1.1	Met	Student Learning

The success of the maintenance program will be increased to assure that appropriate technology is available to all.	Met	Student Learning
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Evaluation Summary Strengths and Weaknesses of 2003-2006 Technology Goals:

During the past two years the Lutie R-VI School District has aggressively implemented technology within the student's learning environment and non-classified working environment.

Progress and strengths of the 2003-2006 Technology Goals:

- TFA: Administration and Resources: Seventy Five percent (75%) of all district computers have been replaced with Dell computers with Windows XP Pro, Star Office
- TFA: Student Learning and Resources: All district LMC's computer labs were upgraded
- TFA: Student Learning and Resources: At the High School grants upgraded the business lab, communication arts lab and Media Lab computers to Dell computers and added laser printers to the departments.
- TFA: Teacher Preparation and Resources: At all building teacher access printers were upgraded to laser printers
- TFA: Teacher Preparation and Resources: At the High School new copiers were install for teacher and office use
- TFA: Student Learning: The High School Library purchased TV's, VCR's, and DVD players for classroom use
- TFA: Student Learning: The High School purchased six (4) multi-media projectors for student use with multi-projects
- TFA: Teacher Preparation, Administration, and Resources: District wide Lemberger Gradebook, Health Services

The District Web Site: <http://schoolweb.missouri.edu/lutie.k12.mo.us> was redesigned and developed to include the following district information:

Contact information for all buildings, administration, and board members
 Board Policies and Regulations
 Student Resource Research web pages
 Individual building pages with faculty information
 Virtual High School Web Site
 eMints classroom sites

- TFA: Administration: Lemberger was implemented district wide
- TFA: Resources: Upgrades were made to lines, servers, Internet access
- TFA: Resources: Phone systems in all buildings were upgraded or new systems installed

Upon evaluating the 2003-2006 Technology Goals the following was determined to be weaknesses:

- TFA: Student Learning: A technology curriculum was not totally implemented
- TFA: Student Learning: Technology benchmarks are not in place
- TFA: Student Learning and Resources: Little technology is available for students to check out through building LMCs, including laptops

Lutie R-VI 2006-2009 Technology Goals

As a result of the evaluation of the 2003-2006 Technology Goals the following action has been approved: The 2006-2009 Technology Goals were rewritten and board approved to further the district's technology planning, increase student achievement through technology level benchmarks, and adopt the technology goals as the District's Technology CSIP goals and objectives.

The following Lutie 2006-2009 Technology Goals are cross referenced to the following:

**Comprehensive School Improvement Plan (CSIP)
Missouri School Improvement Plan (MSIP)
ShowMe Standards
Title IID Program Goals (Title IID)
Children's Internet Protection Act (CIPA)**

**TFA 1: Student Learning
TFA 2: Teacher Preparation
TFA 3: Administration
TFA 4: Resources
TFA 5: Technical Support**

Technology Focus Area: Student Learning

Goal 1: Student learning will improve through the integration of a K-12 Technology Curriculum. (MSIP 6.8.1; 6.1.3; 6.3.3) (Vocational MSIP 7.3.3 (CSIP 1.3) (ShowMe 2.1; 2.7; 4.4; 4.8)

Objective 1: Through grade-level technology benchmark assessments all students will be technologically literate by eighth grade and proficient upon graduation.

Objective 2: The district will utilize technology to support student literacy development and achievement.

Technology Focus Area: Teacher Preparation & Delivery of Instruction

Goal 2: Through ongoing technology professional development teachers will integrate effective, technology enriched instruction that will motivate and challenge all students (different learning styles, abilities, special students, etc.). (MSIP 6.7.3; 6.1.2) (CSIP Goal 3.1) (CIPA recommended guidelines)

Objective 1: Teachers across the district will receive training on how to develop student centered technology projects that address all student learning styles and abilities.

Objective 2: Teachers will receive training on curriculum review, curriculum alignment, and classroom assessment strategies.

Technology Focus Area: Administration/Data Management/Communications

Goal 3: The district will continue to provide appropriate and current technologies throughout the district that support student learning and the district employee teaching and working environment. (MSIP 6.1.4) (CSIP Goal 3.1) (CIPA recommended guidelines)

Objective 1: The district will evaluate new technology procedures and software that will increase employee efficiency in the working environment.

Technology Focus Area: Resource Distribution & Use

Goal 4: The district will provide adequate and equitable access to technology resources to all students and district employees cultivating a positive learning, teaching, and working environment. (MSIP 6.8; 6.8.1) (CSIP Goal 3.1) (CIPA recommended guidelines)

Objective 1: The needs of each grade level program and working environment will be addressed each year to ensure that each staff member and student will be provided access to resources of the type and quantity needed to effectively implement the curriculum of the school.

Technology Focus Area: Technical Support

Goal 5: The district will provide timely, quality assistance and support to maintain the student learning environment, and the employee teaching and work environment. (CSIP Goal 3.1)

Objective 1: Technical support will be provided to maintain the state standard of one technical support staff member per 300 computers.

TFA 1: Student Learning -- Data Analysis, Objectives and Action Plans

Student Data analysis used to determine current status:

Data Examined	Strength/Weakness	Results	Implications for the District
Student achievement: MAP, ACT, PLAN	High School MAP Scores increased in most areas; 3rd and 7th grade APR MAP Reading Index did not meet the State Performance Standard	Technology curriculum with benchmarks has not yet been implemented district wide	Continue to monitor data as technology curriculum is implemented
Post-secondary student preparation: MSIP AQ; District and Vocational Curriculum, PLAN test	Strength: continue programs	Curriculum is career focused at the middle school and South Central Career Center. A four year career plan is on file for each high school student.	Career planning at the high school; Continue vocational career curriculum at South Central Career Center
Safe, ethical learning environment- Filtering software statistics, AUP, Discipline reports, Safe Schools report, Census of Technology Survey	Strength: Meets or exceeds State requirements	A safe, ethical technology learning environment is provided for district students	Maintain an environment with little disciplinary incidents; All students sign AUP; Environment promotes honest and integrity in student work Show-Me Goal 4.4

2003-2006 Technology Goals Addressing Student Learning (From Previous Plan)	Goal/Strategy Met, Progressing, Not Progressing, Corrective Steps	TFA
Goal 1: The students will be able to utilize technology tools to acquire and incorporate information into their class assignments and beyond.	Met	Student Learning
<u>Strategy 1</u> To provide technology training, beginning at the lower elementary levels and continuing through high school, which will enable students to acquire and incorporate information, utilize word processing and various computer applications, and use the Internet to further develop research skills.	Met	Student Learning
<u>Strategy 2</u> The Accelerated Reader Program will be enhanced through implementation of additional computer tests to correlate with the reading material available in the library and classrooms. MSIP 6.3*2*3*4, 6.4*1*2*4, 6.8*1*4, 9.2 CSIP 6.1.1	Met-	Student Learning
Goal 2: To protect students from visually inappropriate Internet content, in accordance with the CIPA.	Met	Student Learning
<u>Strategy 1</u> To continue providing a filtering or blocking system on all computers in our district that have	Met	Student Learning

access to the Internet, in accordance with CIPA.		
<u>Strategy 2</u> To inform each student and staff member of their responsibility to use the Internet and technology equipment appropriately.	Met	Student Learning
Goal 3: To provide students with the opportunities to explore and experience new and emerging technology.	Met	Student Learning
<u>Strategy 1</u> To continue providing Internet access and electronic data bases.	Met	Student Learning

Student Learning
Evaluation of the previous plan's goals and objectives:

Progress and Strengths:

- The MAP scores increased at the high school.
- An introductory high school computer skills and research orientation is offered to all special services students and incoming freshman through the LMC.
- Vocational classes are offered to all high school students through specific courses and through South Central Career Center's vocational programs.

Weakness:

- Student MAP scores have not increased overall as high as the district projected. The elementary MAP scores

indicate reading is a low area and that a technology curriculum with benchmarks may help increase future scores.

- A reading program is not in place at all grade levels.

Curriculum:

- Technology is integrated sporadically within district curriculum

Teacher preparation and deliver of instruction:

- District teachers receive professional development during district time
- Two eMINTS teachers at Lutie Elementary integrate technology into daily lesson plans

Resource Distribution:

- From 2003 to 2006 the number of students to computers ratio increased slightly per computer.
- Students have access to computers in all building libraries, open curriculum labs, eMINTS classrooms, and vocational courses.

Technical Support:

- Reviewing computer work orders indicate student learning is a high priority for repair service.

Policies and Procedures:

- Students sign an AUP
- Student AUP meets CIPA requirements

After analyzing the 2003-2006 plan the following objectives and action plans are designed to maintain current strengths

and correct weaknesses in the focus area of Student Learning:

All Student Learning TFA Goals and Objectives meet the following goals/objectives:	
Comprehensive School Improvement Plan (CSIP)	1.3
Missouri School Improvement Plan (MSIP)	6.7.3; 6.1.2; 7.3.3
ShowMe Standards	2.1; 2.7; 4.4; 4.8
Title IID Program Goals (Title IID)	Students are technologically literate by eighth grade
Children’s Internet Protection Act (CIPA)	AUP revised in Feb. 2005
State Education Technology Plan	Board Approved February 2006

Goal 1: Student learning will improve through the integration of a K-12 Technology Curriculum.

Objectives and Action Plans:

Goal 1; Objective 1: Through grade-level technology benchmark assessments all students will be technologically literate by eighth grade and proficient upon graduation.							
Action Step/Activity	Time-	Responsible Person	Review	Est. Cost	Funding	Progress Expected	Progress Measured
1. Evaluate K-12 student progress using district	2006-Ongoing	Principal Librarian Teacher Curriculum	Annual with curriculum	No additional cost	District Budget	Goal Grade level benchmarks have been	Librarian Observe Students master grade

technology benchmark assessments.		Committees	review			developed and implemented	level benchmarks; Teacher Observation
2. The Library Media Staff will collaborate with the instructional staff to integrate information and technology literacy skills into the district subject area curricula.	2006-Ongoing	Teachers Librarian	Annual with curriculum review	No additional cost	District Budget	Teachers and librarians are developing student research and technology projects	Librarian Observation Student portfolios will reflect the use of technology; MAP scores increase due to learning the process of research and writing
3. Lutie Elementary will continue to promote the eMINTS program.	2006-Ongoing	Principal Teachers Librarian	Annual with curriculum review	No additional cost	Funded through Emints Funds	Lutie Elementary will follow the Technology Plan	Student portfolios will reflect the use of technology; MAP scores increase due to learning the process of research and writing
4. Explore and write grants to include new technologies that will benefit student	2006-Ongoing	Teachers	Annual with curriculum review	No additional cost	Future Grant Approvals	New technologies may be purchased without using district funds.	Lesson plans will reflect integrating technology in the classroom, Student

achievement, especially MAP reading and writing scores.							portfolios will reflect increase use of technology, MAP scores will increase.
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Benchmark:

By eighth grade, all students will develop projects using presentation and/or word processing software.

Correction Strategies

Implement intervention strategies with underachieving students.
Review and if necessary, revise the curriculum.

Goal 1; Objective 2: The district will utilize technology to support student literacy development and achievement.

Action Step/Activity	Time-	Responsible Person	Review	Est. Cost	Funding Source	Progress Expected	Progress Measured
1. Implement grade appropriate literacy program.	line 2006-Ongoing	Principal Librarian Teacher	Dates Annual with curriculum	Unknown at this time	District Budget	Students are using the literacy program	MAP Reading and Writing scores will increase
2. Purchase grade appropriate software for reading and writing.	2006-Ongoing	Building Curriculum Committees	review Annual with curriculum	Unknown at this time	District Budget Investigate grant sources	Teachers are integrating the programs into student lessons	MAP Reading and Writing scores will increase

Benchmark:

Third and seventh grade APR MAP Reading Index will increase.

Correction Strategies:
Annually review the curriculum.

TFA 2 Teacher Preparation—Data Analysis, Objectives and Action Plans

Data analysis used to determine status:

Data Examined	Status	Results	Implications for the District
District Technology Surveys; MSIP Technology Survey; MSIP Review AQ	Adequate to Weak	Teachers indicate they could use more technology training, especially in developing student projects	Increase technology staff to include a position for instructional technology
Evaluation of technology professional development program the	Teachers requesting training on how to integrate technology in the curriculum	Small increase in teachers basic knowledge of technology and the use of technology in the classroom	Technology Curriculum and integrating technology into appropriate grade level classes

2003-2005 Technology Goals Addressing Teacher Preparation	Goal/Strategy Met, Progressing,	TFA
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(From Previous Plan)	Not Progressing, Corrective Steps	
Goal 1: To ensure ongoing professional development for all staff in the use of current and future technologies.	Progressing	
<u>Strategy 1</u> Through workshops provided annually by the school district, staff will receive instruction and training in the integration of technology into the curriculum.	Progressing-Ongoing	Student Learning; Resources
Goal 2: To ensure access by staff to presentation equipment to enhance their curriculum.	Met-Ongoing adding more presentation equipment to classrooms	Student Learning; Resources
<u>Strategy 1</u> Teachers will be provided access to a variety of presentation equipment, as funding becomes available.	Met- Equipment is made available for checking out of the Media Center	
Goal 3: To integrate technology across the curriculum.		Student Learning; Resources
<u>Strategy 1</u> Teachers will collaborate with each other and other professionals on new ways to integrate technology.	Progressing- Teachers are providing small in-services for other teachers on technology related topics	Student Learning; Resources
<p><u>Teacher Preparation</u> Evaluation of the previous plan' goals and objectives:</p> <p>Progress and Strengths:</p> <ul style="list-style-type: none"> ➤ eMINTS teachers in Lutie Elementary increase the awareness of technology as a teaching tool within their building 		

Weakness:

Curriculum:

- Technology is integrated sporadically within district curriculum

Teacher preparation and deliver of instruction:

- District teachers receive professional development during district time
- Two eMINTS teachers at Lutie Elementary integrate technology into daily lesson plans

Resource Distribution:

- All district teachers have a minimum of one computer in the classroom for teaching
- Teachers have access to computers in all building libraries,

Technical Support:

- Computers are repaired in a timely manner

Policies and Procedures:

- All teachers sign an employee AUP

After analyzing the 2003-2006 plan the following objectives and action plans are designed to maintain current strengths and correct weaknesses in the focus area of Teacher Preparation:

All Teacher Preparation TFA Goals and Objectives meet the following goals/objectives:	
Comprehensive School Improvement Plan (CSIP)	1.3
National Education Technology Standards (Goals 1-6
Missouri School Improvement Plan (MSIP)	6.4.1, 6.4.2, 6.7.3; 6.12
Information and Tech	Not Applicable
ShowMe Standards	2.1; 2.7; 4.4; 4.8
Title IID Program Goals	Professional Development Training provided to ensure Students are technology literate by eighth grade
Children's Internet Protection Act	Board Approved AUP

Goal 2: Through ongoing technology professional development teachers will integrate effective, technology enriched instruction that will motivate and challenge all students (different learning styles, abilities, special students, etc.).

Objectives and action Plans:

Goal 2; Objective 1: Teaches across the district will receive training on how to develop student centered technology projects that address all student learning styles and abilities.							
Action Step/Activity	Time-line	Person Responsible	Review Dates	Est. Cost	Funding Source	Progress Expected	Progress Measured
1. The district will monitor the technology curriculum ensuring proper integration into the curriculum	2006-Ongoing	Curriculum Principals Teachers	Annual with Curriculum	No Additional Funding	District Funds	Improved use of technology by students,	Increase in MAP scores, District

						Teachers assessing students using technology benchmarks	technology survey
<p>Benchmark: At least 25% of teachers are assigning student projects that require using presentation software, and/or word processing.</p>							
<p>Correction Strategies: Increase funding to purchase technology.</p>							

Goal 2; Objective 2: The district will ensure staff training, teaching, and student learning goals are met.							
Action Step/Activity	Time-line	Responsible Person	Review Dates	Est. Cost	Funding Source	Progress Expected	Progress Measure
1. Teachers and librarians will integrate technology benchmarks in the curriculum to ensure student technology goals are met.	2006-ongoing	Curriculum Principal Teachers		Salary based on current salary scale	District	Students use of technology will increase and skills mastered at appropriate grade level benchmarks, Increase in MAP Scores	Teacher, Librarian and Principal observations, Student portfolios will reflect increase use of technology projects
<p>Benchmarks: Teachers will integrate technology into the curriculum at the designated times set by the curriculum committee.</p>							

Correction Strategies:

Increase time release and funding to accomplish the task.

TFA 3: Administration—Data Analysis, Objectives and Action Plans**Data analysis used to determine status:**

Data Examined	Status	Results	Implications for the District
<p>The Lemberger system maintains all student data listed below:</p> <ul style="list-style-type: none"> ➤ Schedules ➤ Gradebook/Grades ➤ Discipline ➤ Attendance ➤ Health 	<p>Strengths include employee access for work related student information</p> <p>Weaknesses include: lack of parent/guardian access</p>	<p>Teachers and support staff have controlled access to Lemberger data.</p> <p>Parents do not have online access to their student's data.</p>	<p>Lemberger data is readily available to teachers and support staff.</p>
<p>Support Software Includes:</p> <ul style="list-style-type: none"> ➤ Winnebago Library System ➤ Nutrition Services ➤ Financial 	<p>Strength: Software is in place and used by staff</p> <p>Weakness:</p>	<p>The software provides appropriate services for departments around the district</p>	<p>Support services departments adapt to ensure software is utilized correctly and to the best use of the software</p>
<p>Data Voice infrastructure</p>	<p>Strength: The phone system is new or upgraded in all strategic points on campus</p> <p>Weakness:</p>	<p>Infrastructure is stable and the working environment is in place for daily functions of the district</p>	<p>The district needs are currently being met</p>
<p>Electronic communications include access to the following:</p> <ul style="list-style-type: none"> ➤ Employee email ➤ Web site ➤ Online school calendar 	<p>Strength:</p> <p>Weakness:</p> <ul style="list-style-type: none"> ➤ No student email service ➤ Poor professional 	<p>Upgrade district Web site to better utilize this tool</p>	<p>Expansion of electronic and online communications is being looked into by the district</p>

➤ Online updates	development information ➤ Curriculum not posted		
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2003-2006 Technology Goals Addressing Administration (From Previous Plan)	Goal Strategy Met, Progressing, Not Progressing, Corrective Steps	TFA
Goal 1 To systematically secure, maintain, and upgrade data management software to adequately serve administrative management needs, data management/student record needs, and communication processes needs.		Resources
<u>Strategy 1</u> To provide updated versions of recordkeeping software, as funds are available.		Administration
<u>Strategy 2</u> To provide updated versions of communication software, as funds are available.		Resources
<u>Strategy 3</u> To provide updated versions of antivirus software, as funds are available.		Administration
<u>Strategy 4</u> To provide administration and staff with e-mail access to communication within and outside the school district.		Resources

Administration

Evaluation of the previous plan' goals and objectives:

- Accounting technology codes will help how district funds are spent.

Strength:

- **School Information Systems has been implemented to manage student data.**
- **District employees' computers have been upgraded to meet individual working environments.**
- **Employee training continues through Professional Development Days.**
- **AUP and Web guidelines policies are in place.**

Weakness:

- Parents/guardians and employees do not have online access to student records.

After analyzing the 2003-2006 plan the following objectives and action plans are designed to maintain current strengths and correct weaknesses in the focus area of Administration:

<i>All Administration TFA Goals and Objectives meet the following goals/objectives:</i>	
Comprehensive School Improvement Plan (CSIP)	CSIP: Objective 3, Strategy 3.1 and Strategy 3.2
Missouri School Improvement Plan (MSIP)	6.8.1
Information and Technology Literacy Competencies (ITCL)	Funding is in place for Professional Development Programs and equipment. Software is in place for all students and employees.
Title IID Program Goals (Title IID)	
ShowMe Standards	
Children's Interent Protection Act (CIPA)	AUP Board Approved

Goal 3: The district will continue to provide appropriate and current technologies through out the district that supports student learning and the district employee teaching and working environment.

Objectives and Action Plans:

Goal 3; Objective 1: Expand the Limburger System for district employees to access student information.							
Action Step/Activity	Time-line	Responsible Person	Review Dates	Est. Cost	Funding Source	Progress Expected	Progress Measure
1. Continue training employees on Limburger features through staff training or Professional Development days.	2006-ongoing	Technology Plan Coordinator PD Committee	Annual	No extra cost contract time	District	Increase the use of the Limburger system to manage student data by teachers	District Employee Surveys
2. Provide teachers with direct access to student data.	2006-ongoing	Principal Teachers Counselors Technology Staff	Annual	No extra cost contract time	District	Organize and maintain student data	Teacher, Counselor, evaluate students for placement
Benchmarks: Teachers will be able to monitor student data through Lemburger system.							
<u>Correction Strategies:</u> Provide funding to install or upgrade Limburger as needed. Provide training to staff.							

Goal 3; Objective 2: The district will have a systematic procedure in place to review and revise the written curriculum.							
Action Step/Activity	Time-	Responsible	Review	Est.	Funding	Progress	Progress

	line	Person	Dates	Cost	Source	Expected	Measure
1. Purchase grade level software to evaluate strengths and weaknesses of all district curricula	2006-2009	Curriculum Coordinator Principals	Annual	Offer Stipend to no cost	Title IID	District has purchased EATS program and teachers are placing data into software	District Employee Surveys
2. Provide teachers training on how to use, read, evaluate, and apply results from curriculum software to the student learning environment.	2006-2009	Principal PD Committee Teachers	Annual	No extra cost contract time	District	Training conducted on Professional Development days	Parent Teacher Conferences; Parent Teacher Surveys
3. Increase access to student test and assessment data.	2006-2009	Technology Staff Principal Teachers	Annual	No extra cost contract time	District	Organize and maintain student test results	Counselor will evaluate student for placement and monitor progress, Teacher survey will indicate if teacher is accessing data
<p>Benchmarks:</p> <p>All teachers are entering test objectives into curriculum analyzing software.</p>							

<p><u>Correction Strategies:</u> District will designate a mentor to grade level teachers, subject areas, and or individual teachers (whose tests do not meet the curriculum objectives) for guidance in developing test to meet curriculum objectives.</p>

TFA 4: Resources—Data Analysis, Objectives and Action Plans

Data analysis used to determine status:

Data Examined	Status	Results	Implications for the District
Census of Technology, Technology Committee Reports, District Surveys	Strength: Student ratio to computer is well above the State level	Continuation of the current ratio through planning and funding	Freeing tech staff to concentrate on computer/server related work orders would ensure proper management of resources
District surveys District Budget LMC Budget	Weakness: LMC budgets do not include budgeted amount for online research	Yearly fees to research databases would be funded through building LMC	Students are using research databases in preparation for the workforce, vocational training, or college; Increase in MAP scores
Equipment Inventories of the following: District Buildings District LMCs	Strength: Elementary and High School level computers, cameras, TV, VCR, DVD, software, overheads, and multimedia projectors are up to date	Technology equipment is available for lesson delivery and student assignments;	MAP scores increased at the high school level; MAP scores remained the same or dropped at other levels

2003-2006 Technology Goals Addressing Resources (From Previous Plan)	Goal/Strategy Met, Progressing, Not Progressing, Corrective Steps	TFA
Goal 1: To systematically secure, maintain, and upgrade information access and information processing equipment to adequately serve as educational tools for students, instructional management tool for teachers, and administrative management tools.	Met: District wide computers were upgraded. All except for less than 10% have Windows XP. All student computers have StarOffice and all staff computers have Microsoft Office.	Student Learning; Resources
Strategy 1: During the next three years the school district will show a minimum 10% replacement or upgrading of existing computer hardware. (MSIP 6.4*1*2*4, 6.8*1*4) (CSIP 4.2.2, 5.1)	Met: Business Lab, English Lab, Media Lab have all been upgraded with Dell computers. 3 rd , 4 th , 5 th , and 6 th grades have a computer ratio of 2 students per computer.	Student Learning; Resources
Goal 2: The District will provide a networking infrastructure that will support the communication and access needs of students and staff. (MSIP 6.4*1*2*4, 6.3*5) (CSIP 4.2.2, 5.1)	Met: Wiring for the infrastructure through addition of fiber optic backbone and complete rewiring of the network system completed January 2006.	Student Learning; Resources
Strategy 1: To provide and maintain network connections as needed throughout the district. (MSIP 6.1*1, 6.4*1*2*4, 9.4*2*4) (CSIP 4.1, 4.2.2)	Met: As of January 2006 90% of the classrooms have multiple drops installed for computer networking.	Student Learning; Resources;

<p>Strategy 2: To maintain or upgrade our current 10/100-BaseT network as funds become available. (MSIP 6.2*1, 6.4*1*2*4, 6.8*1*4) (CSIP 4.1, 4.2.2)</p>	<p>Met: As of January 2006 90% of the classrooms have multiple drops installed for computer networking.</p>	<p>Student Learning; Resources</p>
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Resources:
Evaluation of the previous plan' goals and objectives:

The district increased the number of computers for student learning and teacher use for managing student information.

Strength:
 Ninety percent of all district computers were replaced or upgraded.

From 2003 to 2006 the computer to student ratio increased from 2 computers to one student to 1.7 computers to one student.

Other technologies: TVs, DVD players, VCRs, telephone systems were added to district Libraries or building to increase student learning and efficiency in the working environment.

Weakness: No building or district computer/equipment rotation plan is in place.

After analyzing the 2003-2006 plan the following objectives and action plans are designed to maintain current strengths and correct weaknesses in the focus area of Resources:

All Administration TFA Goals and Objectives meet the following goals/objectives:	
Comprehensive School Improvement Plan (CSIP)	CSIP: Objective 3, Strategy 1.1 through 1.5
Missouri School Improvement Plan (MSIP)	6.4.3, 6.5.1, 6.5.2, 6.7.2
Information and Technology Literacy Competencies (ITCL)	Funding is in place for Professional Development Programs, equipment, and software is in place for all students and employees.
Title IID Program Goals (Title IID)	
ShowMe Standards	
Children's Interent Protection Act (CIPA)	AUP Board Approved

Goal 4: The district will provide adequate and equitable access to technology resources to all students and district employees cultivating a positive learning, teaching, and working environment.

Goal 4; Objective 1: The needs of each grade level program and working environment will be addressed each year to ensure that each staff member and students will be provided access to resources of the type and quantity needed to effectively implement the curriculum of the school.							
Action Step/Activity	Time-line	Person Responsible	Review Dates	Est. Cost	Funding Source	Progress Expected	Progress Measured
1. Increase computers and new technologies according to students enrollment and courses using technology	2006-Ongoing	Superintendent, Technology Coordinator, Teachers Principals	Annual	\$2000	Title V District Funds & Other Approved grants	Monitor class sizes and lab schedules to determine needs; more technology may be needed in	Increase in MAP scores, District technology surveys

						some areas	
2. A five year district rotation replacement plan in place	2006-Ongoing	Superintendent, Technology Coordinator, Principals	Annual	\$4000 Title V \$6000 Title: Small Rural Schools Fund	District Funds, Title V, and Title Small Rural School Funds	Old computers will be rotated out of use and/or be used for word processing labs	Student learning will continue in a timely manner and employees will continue to work efficiently
3. Protect district servers from viruses and continue to utilize a firewall and filtering as mandated by the federal and state guidelines	2006-ongoing	Superintendent, Technology Coordinator	Annual	\$1500	District Funds and Title IID	Firewall/virus protection and filtering will help decrease server traffic	Utilization of MoreNet network information to monitor network bandwidth
<p>Benchmark: Census of Technology will reflect a ratio of two students per computer. Census of Technology shows computer rotation is on schedule; software is installed and meets state and federal guidelines.</p>							
<p>Correction Strategies: Increase funding and explore grant possibilities to purchase technology. Review state and federal government guidelines.</p>							

TFA 5: Technical Support—Data Analysis, Objectives and Action Plans

Data analysis used to determine status:

Data Examined	Status	Results	Implications for the District
Number of Computer Technicians per district computers	Strength: Currently staff can provide adequate service to district computers	One full time computer coordinator does all necessary work	District will need to monitor this to continue timely service to ensure adequate student learning and staff working conditions
Number of Repair Requests, and Work order priority	Strength: Turn around has been short (within 5 days, unless a major rebuild was necessary)	Outsourcing of some network and warranty repairs is needed during the year	District will need to monitor this to continue timely service to ensure down time does not become an issue

2003-2006 Technology Goals Addressing Resources (From Previous Plan)	Goal/Strategy Met, Progressing, Not Progressing, Corrective Steps	TFA
Goal 1: The District Technology Support Staff will continue to refine and acquire new technological skills provided through state and local training opportunities.	Met: ongoing	Technical Support; Resources
Strategy 1 Objective 1: Each year district designees will attend technology training sessions. (MSIP 6.4*1*2*4,6.8*1*4) (CSIP 4.2.2, 5.1)	Met: ongoing	Technical Support; Resources
Strategy 2: Technology Support Staff will be given the opportunity to collaborate with other technical personnel inside and outside	Release time to collaborate with other support staff is being done	Technical Support

district through a planning period or release time. (MSIP 6.2*1, 6.4*1*2*4, 6.8*1*4) (CSIP 4.1, 4.2.2)	through conference meetings	
Goal 2: The district will provide an efficient and effective method of computer repair and management of the network increasing the availability of technology to students and teachers. (MSIP 6.4*1*2*4, 6.3*5) (CSIP 4.2.2, 5.1)	Met: ongoing	Technical Support; Resources
Strategy 1: To refine and use a tracking system to track and record technical problems so the problems can be identified and corrected in a timely manner. (MSIP 6.1*1, 6.4*1*2*4, 9.4*2*4) (CSIP 4.1, 4.2.2)	Met: ongoing	Technical Support; Resources;
Strategy 2: To provide training to the district personnel in the use of the tracking system to report technical problems to the three building technology coordinators. (MSIP 6.2*1, 6.4*1*2*4, 6.8*1*4) (CSIP 4.1, 4.2.2)	Met: ongoing	Technical Support; Resources
Strategy 3: Provide staff with basic training in troubleshooting basic technology problems. (MSIP 6.2*1, 6.4*1*2*4, 6.8*1*4) (CSIP 4.1, 4.2.2)	Met: ongoing	

Technical Support

Evaluation of the previous plan and objectives:

The district increased the number of computers for student learning and teacher use for managing student information.

Strength:

Ninety percent of all district computers were replaced or upgraded.

Repair tracking provided a better overview of technology problems.

Technology Coordinator does the paperwork for technology grants, eRATE, and combines inventories of technology.

Weakness: No building or district computer/equipment rotation plan is in place.

After analyzing the 2003-2006 plan the following objectives and action plans are designed to maintain current strengths and correct weaknesses in the focus area of Technical Support:

All Administration TFA Goals and Objectives meet the following goals/objectives:	
Comprehensive School Improvement Plan (CSIP)	CSIP: Objective 1, Strategy 1.10; Objective 1, Strategy 3.3
Missouri School Improvement Plan (MSIP)	6.7.2 and 6.4.3
Information and Technology Literacy Competencies (ITCL)	Funding is in place for Professional Development Programs, equipment, and software is in place for all students and employees.
Title IID Program Goals (Title IID)	
ShowMe Standards	
Children's Internet Protection Act (CIPA)	AUP Board Approved

Goal 5: The district will provide timely, quality assistance and support to maintain the student learning environment, and the district employee teaching and working environment.

Goal 5; Objective 1: Maintain technical support to meet state standard of one technical support person per 300 computers.							
Action Step/Activity	Time-line	Person Responsible	Review Dates	Est. Cost	Funding Source	Progress Expected	Progress Measured
1. Maintain a ratio of One technical support person per 300 computers.	2006-Ongoing	Superintendent, School Board	Annual	\$25,000.00	District Funds	Technical staff to be maintained to at a minimum ratio of 1 tech to 300 computers	80% of technical problems will be fixed within 3 days
2. Train students to help with basic maintenance	2006-Ongoing	Technology Coordinator	Annual	No additional funds	No additional funds	Students who work as Teaching Assistants to the Technology Coordinator will periodically help with basic computer maintenance	Student monitored by technology Coordinator

Benchmark:

Maintain technical support to reflect 1 tech to 300 computers.

Correction Strategies:

Increase funding to maintain ratio if more than 300 computers are in service.

Dissemination, Monitoring and Evaluation

Dissemination

Copies of the board approved 2006-2009 Lutie R-VI Technology Plan will be disseminated by providing hard copies, through email, and/or district web site to the following:

- Theodosia Mayor
- Theodosia Chamber of Commerce
- Technology Planning Committee Members
- Lutie District Employees
- District Parents
- District Alumni
- Area Missouri House of Representatives
- Missouri Senate
- US House of Representatives
- US Senate

The dissemination will be done in a timely fashion to ensure all district patrons have access to the information.

The 2006-2009 Technology Plan is available for public viewing at the following web site:

- <http://schoolweb.missouri.edu/lutie.k12.mo.us>

Monitoring and Evaluation

The responsibility of monitoring progress is assigned to individual(s) responsible for each item as stated in each TFA. The evaluation form approved in the 2006-2009 Technology Plan will be used annually as a report for the Technology Coordinator who will summarize the information and present it to the Board of Education annually, in accordance with MSIP guidelines. The District Technology Planning Team will make recommendations for adjustments to the technology plan and present to the Lutie R-VI School Board for consideration and approval.

Summary

Technology itself is not a magical solution to today's problems. But we believe that technology, properly used, can help us better prepare our students for the world in which they will work and live. Furthermore, just putting technology into a school district will have little effect unless the proper support is provided. We have used this opportunity to work with all stakeholders as much as possible to strengthen our entire system. Through defining our strengths and weaknesses we can now provide action steps to reach goals that we have set to improve on our current technology status. Effective plans are the most efficient way in which we can best utilize the resources that the district has available to use and to understand what we will need in the future. Maximizing our investment of time, effort, services, expertise, materials and by sharing our knowledge we will continue to provide services to our students and staff in the field of technology. For information about Lutie R-VI technology, contact Lois Honeycutt, Technology Coordinator, lhoneycutt@tnp.more.net or visit <http://schoolweb.missouri.edu/lutie.k12.mo.us>.