

North St. Francois R-I School District

“Serving the Desloge and Bonne Terre area”



2008 - 2011 Technology Plan

2007 – 2008 Board of Education

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Board Approved: March 20, 2008

Prepared by the District Technology Committee

Access online at @ http://www.ncsd.k12.mo.us/techplan2008_11/TechnologyPlan_2008_11.pdf

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Introduction

Geographically located approximately 45 miles south of St. Louis, the North St. Francois County R-I School District includes the northern portion of St. Francois County and smaller areas of Jefferson and Ste. Genevieve Counties for a total of 144 square miles. Within the district are the communities of Desloge and Bonne Terre including portions or all of the lake developments of Terre du Lac, Lake Timberline, and Goose Creek. Traveling over mainly rural routes, buses travel 313,017 miles per year safely transporting students between their home and school.

The North St. Francois County R-I School District is comprised of two elementary schools, an Intermediate, Middle, and High School. High school students also have the advantage of attending UniTec Career Center located in the North County School District. Currently the student population is 3647. Certified and classified staff number 440. District population growth is 2%.

The medium household income is \$33,912. The largest community employers include North St. Francois County R-I School District and U. S. Tool. A high number of the population commutes to the St. Louis area for employment. The average education level is 8.7% below 9th grade, 17.7% have no high school diploma, 36.8% are high school graduates or GED, 27.8% have some college, 5.9% have a bachelors degree, 2.3% a masters degree, and 4% a professional or graduate degree.

A community college, Mineral Area College, economically prepares area high school graduates for the work place or a four year college. Housed on Mineral Area's campus is Central Methodist College that offers students the opportunity to complete a four year degree in several areas after graduating from Mineral Area College. Other universities offer graduate courses to the general population.

Meeting the educational needs of 3647 students are board approved curricula, including an integrated technology curriculum, and comprehensive education programs including the following: Parents as Teachers Program, gifted program, Special Services, A+ Program, Collegiate credit courses, extracurricular activities, Vocational Training, and numerous other programs. The free and reduced lunch rate is 47.7%

UniTec Career Center is also a part of the North County School District serving the vocational needs of seven surrounding school districts. Although vocational and technical courses are offered within North County High School's curriculum, students have the advantage of first hand experience in vocational programs through the UniTec Career Center. UniTec offers comprehensive vocational courses to prepare students for the immediate workforce or to further their vocational training.

Through an integrated technology curriculum, funded by eMINTS, TitleIID, district monies, and other grants, students are learning how to use technology to access, organize, evaluate, and communicate information. Students may choose from a range of courses, including courses offered by the career center, that includes beginning technology application courses to advanced graphic design courses. These skills enable graduates to be successful within their chosen career path.

To ensure students are successful using technology, the district provides technology training for instructors. Instructors are also encouraged to seek technology professional development workshops outside the district paid for by district funds.

Technology Vision Statement

The District Technology Committee envisions students learning to their full potential within a technology rich educational environment. Through an inquiry based integrated technology curriculum, teachers are effectively modeling and developing student lessons that meet the National Educational Technology Standards and No Child Left Behind goals and objectives. The administration provides adequate and appropriate technology resources and support for all staff and students including technology professional opportunities for teachers. The technology goals and objectives ensure graduating students can independently and successfully pursue their lifetime goals while living a productive life within a technologically changing society.

District Mission Statement

The primary mission of the North St. Francois County R-I School District is to provide the educational opportunities necessary to assist students in developing their intellectual, career, physical, social and emotional needs through participation in curricular, co-curricular and extra-curricular activities. The desired result of this participation would be the preparation of students to be successful in their own endeavors and to contribute positively to the society in which they live.

Technology Mission Statement

The North St. Francois R-I School District's Technology Mission is to integrate technology within the total school community through the equitable distribution of resources to all district students and an integrated NETS based technology curriculum. Through professional training, technology-derived data, and research based decisions, district employees will promote the student learning environment and employee work environment. Based on the technology professional development program, the district wide curriculum, and the district's CSIP Goals (CSIP 1.3) students will be technologically literate (Title II D Goal) by eighth grade with student achievement and test scores increasing to prepare students to meet their future goals within a technologically changing world.

District CSIP Goals

Goal 1: The district will exceed the state and federal mandates to achieve the highest accreditation standards.

Goal 2: The district will maintain fiscal practices that will support current and future educational program needs.

Goal 3: To provide and maintain facilities so all students and staff will have a safe, functional, and comfortable educational environment.

Goal 4: To improve the quality and increase the level of parent and community involvement in supporting district goals.

Technology Plan Format and Process

To ensure the fair implementation of technology within the district this plan:

- ✓ Evaluates the prior TFA technology goals (2005-2008)
- ✓ Analyzes the progress of the 2005-2008 technology plan
- ✓ Focuses on the appropriate data analysis information, goals, objectives, action plans, and benchmark strategies within each TFA
- ✓ Develops Goals and Objectives to address the previous TFAs weaknesses while maintaining the strengths of the previous plan
- ✓ Outlines the plan in a table format aligned with DESE's 2008 Technology Plan Scoring Guide.

North County R-I District Technology Committee

Summary

The North St. Francois County R-I School District's Technology Planning Committee includes members from a cross section of the school district, including students, UniTec Career Center, and community members as listed in the chart below. The district technology committee evaluates, discusses technology issues, and develops future goals for implementing technology within the district. The committee meets three times a year while TFA sub-committees meet as often as necessary to review goals, policies, and procedures affecting the student population and instructional staff. The Technology Planning Committee is open to discussion and suggestions from all district employees, students, parents, and business and community members. Meetings are conducted by the Technology Plan Coordinator. After reviews and revisions the plan is presented to the Board of Education for approval.

Students Teachers K-12 Special Area Teachers School Administration Parents Classified Staff Technical Services Vocational Instructors Library/Media Services School Board Members Business & Community Patrons	TFA 1: Student Learning TFA 2: Teacher Preparation TFA 3: Administration TFA 4: Resources TFA 5: Technical Support
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North St. Francois County R-I School District Technology Committee 2007 – 2008 Membership			
Name	Position/Affiliation	Category	TFA Addressed
Chris DeGraffenreid	Student	High School/UniTec Career Center	1; 4
Haley Motley	Student	High School	1; 4
Matt Farr	Student	High School	1; 4
Dr. Yancy Poorman	Superintendent	Administration/ High School Parent	1; 2; 3; 4; 5

Mr. Mike Henderson	Curriculum Director	Administration/ High School Parent	1; 2; 3; 4; 5
Mr. Mike Jarvis	Director of Elementary	Administration	1
Kathy Wynn	Director of Special Education	Special Education	1; 4
Lonnie Crowell	Computer Technology Coordinator	Technology Staff	4; 5
Kara Wampler	Director of Business Services	District Accounting Department	3; 4; 5
Aaron Granda	Computer Technician	Technology Staff	4; 5
Lillie Porterfield	SIS Coordinator	Technology Staff	4; 5
Larry Joseph	Manager of Local Radio Station North County School Board Member	Community	1
Carol Weems	Professional Development Coordinator	Administrator	1; 2; 3; 4; 5
Ron McCutchen	High School Principal	Administration/Parent	
John Crabtree	High School Assistant Principal	Administration/Parent	
Ryan Long	High School Assistant Principal	Administration/Parent	1; 2
Larry Kekec	UniTec Career Center Director	Administration/Elementary Parent	1; 2; 3; 4; 5
Bendi Powell	High School Instructor	Teaching Staff	1; 2; 4; 5
Noah Assareh	High School Instructor	Teaching Staff	1; 2; 4; 5
Kim Pope	UniTec Career Center Instructor	Vocational Instructor	1; 2; 4; 5
Stephanie L. Tinker	Elementary Instructor	Elementary Parent/Teaching Staff	1; 2
Michaelle Clarke	Special Education	High School Parent/Teaching Staff	1; 2; 4; 5
Doris Worley	Middle School Media Specialist	Library/High School Parent	1; 2; 3; 4; 5
GayAnn Weadon	Intermediate School Media Specialist	Library	1; 2; 3; 4; 5
Cheri Henderson	Middle School Instructor	Teaching Staff/High School Parent	1; 2; 4; 5
Linda Eckert	Bonne Terre Elementary	Secretary	1; 3
Mary AuBuchon	Main Office	Transportation	1; 3
Debbie Anderson	Elementary Instructor	Elementary Parent/Teaching Staff	1; 2; 4; 5
Sarah Winch	Elementary School Instructor	Teaching Staff	1; 2; 4; 5
Stacey Barbee	Middle School Instructor	Teaching Staff	1; 2; 4; 5
Janet Moak	Elementary Principal	Administration/High School Parent	1; 2; 3; 4; 5
Kathryn Bockman	Elementary Principal	Administration	1; 2; 3; 4; 5
Kimberly Johnson	Elementary Asst. Principal	Administration	1; 2; 3; 4; 5
Stacey Barbee	Elementary Instructor	Elementary Parent/Teaching Staff	1; 2; 4; 5
Angie Buckingham	Elementary Instructor	Elementary Parent/Teaching Staff	1; 2; 4; 5
Donna Horn	Elementary Instructor	Teaching Staff	1; 2; 4; 5
Angie Buckingham	Elementary Instructor	Teaching Staff	1; 2; 4; 5
Tanya Smith	Middle School Instructor	Teaching Staff	1; 2; 4; 5
Dustin Murray	Intermediate Instructor	Teaching Staff	1; 2; 4; 5
Sara Donaldson	High School Instructor	Teaching Staff	1; 2; 4; 5
Phyllis Ward	CISCO Networking/Computer Maintenance Technology Instructor	Vocational Staff	1; 2; 4; 5
Austin Sikes	Elementary	Parent	1; 5
Diane Schoonover	Director of Building and Grounds	Building and Grounds	4
Ruth Rose	Food Services Director	Food Services	1; 3
Kara Wampler	Director of Business Services	Finances	3
Frances Haug	HS Media Specialist/Tech. Plan Coordinator	Library/Technology Staff	1; 2; 3; 4; 5

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
SAT 9 Test Scores/Summary	Standardized assessment	National	TFA 1
ACT Test Scores/Summary	Standardized assessment	National	TFA 1
PLAN Test Scores/Summary	Standardized assessment	National	TFA 1
NCS D Curriculum <ul style="list-style-type: none"> ✓ Curriculum Guides ✓ Technology Benchmarks (Competencies) ✓ Electronic Alignment Tool 	Student and Teacher Standards	District	TFA 1; 2
Missouri School Improvement Program (MSIP) <ul style="list-style-type: none"> ✓ Advance Questionnaire ✓ District Response to the Standards ✓ Technology Integration ✓ Library 	Survey	District	TFA 1; 2
Census of Technology (2007-2008)	Survey	District/State	TFA 1; 4; 5
PROFILER Surveys <ul style="list-style-type: none"> ✓ Teacher ✓ Classified ✓ Student 	Survey	District	TFA 1; 2; 3
Professional Development Surveys	Survey	District	TFA 2
District Technology Professional Development Program <ul style="list-style-type: none"> ✓ Technology Information Program Surveys (TIP) ✓ TIP Course Evaluations 	Survey Trainer Evaluations	District	
Library Media Center's Reports/Surveys <ul style="list-style-type: none"> ✓ Monthly Reports ✓ Core Data Reports ✓ Collection Development Plan ✓ Faculty and Student Surveys 	Survey Evaluation forms Annual Reports	District State	TFA 1; 4; 5
NCS D Plans <ul style="list-style-type: none"> ✓ Comprehensive School Improvement Plan (CSIP) ✓ 2006-2008 Technology Plan ✓ Annual Technology Department Evaluation ✓ District Technology TFA Committee Evaluation Reports 	Local Assessments	District	TFA 1; 2; 3; 4; 5
Administrative Networking Tools <ul style="list-style-type: none"> ✓ Filtering Software/Reports ✓ Automated Call Account Reports 	Administrative Networking Tools	District	TFA 3; 4; 5

<ul style="list-style-type: none"> ✓ SIS Online Work Request Reports ✓ Online Technology Work Request Reports 			
Network Evaluation Tools <ul style="list-style-type: none"> ✓ 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 <ul style="list-style-type: none"> ✓ Phone System ✓ Cell phones ✓ Communication radios ✓ Microsoft Outlook 	Communication Tools	District	TFA 3; 4; 5
Data Management Tools <ul style="list-style-type: none"> ✓ Excel ✓ SISFIN SIS Financial Program ✓ Student Information Systems (SIS) for student attendance data ✓ SIS Medical ✓ Nutrikids - menu planning, production records, menu costing, recipes, nutrition, inventory) ✓ SIS Gradebook ✓ Sagebrush Library Automation Software/Reports (Spectrum) ✓ Electric Alignment Tools -web based (Curriculum) ✓ Mastery Manager ✓ CTB/McGraw-Hill Classroom Manager ✓ Inventory – web based ✓ Outlook Email & Calendar – web based 	Data Management Tools	District State	TFA 1; 3; 4; 5
District Security <ul style="list-style-type: none"> ✓ Security cameras installed at buildings ✓ Outside doors are secured during school hours 	Security Management Tool	District	TFA 1; 3; 4; 5

Board of Education Approved Technology Policies and Procedures

All policies and procedures meet CIPA, FERPA Guidelines

All policies and procedures are current and accessible from NCSD's Web Site:
<http://www.ncsd.k12.mo.us>

- ✓ Technology/Internet Agreement includes Filtering
- ✓ Employee Technology/Internet Agreement (AUP)
- ✓ Student Technology/Internet Agreement (AUP)
- ✓ Technology/Internet User Agreement Violation Report Form
- ✓ North County R-I Web Page Guidelines
- ✓ Copyright Policy
- ✓ Gifts to the School District
- ✓ Security Policy

Census of Technology Computers in District

Year	# of Computers	Per student
2005 - 2006	1181	
2006 - 2007	1243	
2007 - 2008		

Computer Technicians per Computers

Year	# of Computers	# of Technicians	Computers per Technician
2005 - 2006		2	
2006 - 2007		2	
2007 - 2008	1243	3	414

**2007-2008 Statement of Existing Resource Conditions
District Infrastructure: District wide T1 WAN**

Building/ Total Computers	Location	Novell & 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: 21	Offices & Bus. Gar.	Win. 2000 Win. 2000 Win. 2003	P3-1Ghz, 1GB, 18GBx3 HD P3-1Ghz, 1GB, 18GB HD Xeon 2.4Ghz, 4GB, 100GB	6	14	1			
High School Satellite Students: 1003 Ratio: 3 - 1 Workstations: 318	LMC & Classrooms Bus. Dept. Server CAD Lab	Win. 2000 Win. 2000 Netware V5.1 (100) Win. 2000	P3-1Ghz, 512MB, 36GBx3 P3-1Ghz, 512MB, 36GBx3 P3-800, 384MB, 20GB HD Xeon 2.4Ghz, 1GB, 36GB	166	72	72	3		5
Middle School Students: 523 Ratio: 3.0 - 1 Workstations: 173	LMC & Classrooms	Win. 2003	P3-933Mhz, 384MB, 20GB+40GB	86	7	46	30		4
Intermediate School Students: 452 Ration: 4.4 - 1 Workstations: 102	LMC & Classrooms	Win. 2000	P3-1.13GHZ, 512MB, 18GBx2HD	60	19	23			
UniTec Career Ctr. Students: 450 Ratio: 2.3 - 1 Workstations: 198	Offices & Classrooms	Win. 2003	P3-800, 256MB, 9.1GBx2	46	49	90	10		3
Desloge Elem. Students: 376 Ration: 3.5 - 1 Workstations: 109	Offices & Classrooms Lab	Win. 2003	Xeon 2.4Ghz, 1.56GB, 36GB	33	12	42			22
Bonne Terre Elem. Students: 730 Ration: 2.7 - 1 Workstations: 17	Offices & Classrooms LMC Other Mobile Carts Lab	Win. 2000	P3-.266, 512MB, 36GB	177	1				
Alternative School Workstations: 17				10					61
				25					
Alternative School Workstations: 17				6					11
Caring Communities Workstations: 2				2					

Total Cost of Ownership

The North County School District recognizes the fiscal responsibility of purchasing, upgrading, rotating, and repairing technology for all student learning and employee work environments. NCS D recognizes the responsibility of pursuing and providing technology grant opportunities to enhance student learning. To maintain the infrastructure, hardware, software, and equipment the following considerations are addressed within this plan:

- ✓ Analyze the past budget to provide for future budget planning
- ✓ Equitable distribution for students and teachers within each building site
- ✓ Student, teacher and employee safety
- ✓ Professional development training for teachers
- ✓ Basic training for all employees
- ✓ Maintaining and upgrading a district-wide centralized phone system
- ✓ Technology services provided by outside contracts (server installations, troubleshooting, etc.)
- ✓ Daily cost of operating and maintaining an educational environment to include:
 - Technology supplies
 - Yearly MoreNet fee
 - Network and equipment maintenance and repair
 - Salaries
 - Computer rotation plan
 - Electrical maintenance and consideration for future expansion
 - TVs, VCRs, DVD players, cable, satellite and other technologies as required by the curriculum

Year	Equipment	Supplies/ Repairs	Salary & Benefits	Contract Services	Training/ Travel	TOTAL
2005 - 2006	146,960	70,670	82,555	44,220	1,520	345,925
2006 - 2007	169,135	57,380	88,765	30,025	1,595	346,900
2007 - 2008	168,080	88,155	136,688	39,424	2,900	435,247

Year	Equipment	Supplies\ Repairs	Salary & Benefits	Contract Services	Training/ Travel	TOTAL
2008 - 2009	168,080	88,155	136,688	39,424	2,900	455,247
2009 - 2010	168,080	88,155	136,688	39,424	2,900	455,247
2010 - 2011	168,080	88,155	136,688	39,424	2,900	455,247

Evaluation of Strengths and Weaknesses of Previous Technology Goals 2005 – 2008

Student Learning: Evaluation of 2005 – 2008 Goals

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

Goal 1; Objective 1: Through grade-level technology benchmark assessments all students will be technically literate by eighth grade and technologically proficient upon graduation.		
Action Step/Activity	Met, Progressing, Not Progressing and/or Corrective Measures	TFA
1. Adopt the iSafe technology curriculum to address student learning styles, skills, and special services students at all grade levels.	Progressing. High school and UniTec Career Center have partially implemented. Corrective measure: All eighth graders will complete the iSafe program beginning in fall of 2008.	Student Learning
2. Implement the iSafe Technology curriculum, with Title IID Program benchmarks, within K-12 lessons.	Progressing. High school and UniTec Career Center have partially implemented. Corrective measure: All eighth graders will complete the iSafe program beginning in fall of 2008.	Student Learning
4. Evaluate K-12 student progress using district technology benchmark assessments.	Not Progressing Corrective measure: : All eighth graders will complete a Tech I course beginning in fall of 2008.	Student Learning
5. The Library Media Staff will collaborate with the instructional staff to integrate information and technology literacy skills into the district subject area curricula.	Met – Middle and High School Not progressing in lower grades due to lack of flex scheduling. Corrective measure: Analyze budget for library aides.	Student Learning
6. Bonne Terre Elementary will continue to promote the ISTE/eMINTS program.	Met	Student Learning
7. Explore and write grants to include new technologies that will benefit student achievement, especially MAP reading and writing scores.	Met	Student Learning

Goal 1; Objective 2: The district will utilize technology to support student literacy development and achievement.		
Action Step/Activity	Met, Progressing, Not Progressing and/or Corrective Measures	TFA
1. Implement grade appropriate literacy program.	Progressing.	

	Corrective measure: iSafe program beginning in fall of 2008 with 8 th grade students.	Student Learning
2. Purchase grade appropriate software for reading and writing.	Met	Student Learning

Goal 1; Objective 3: Students will receive career preparation using various technologies through a vocational curriculum and/or vocational training.		
Action Step/Activity	Met, Progressing, Not Progressing and/or Corrective Measures	TFA
1. Students will receive career orientation or vocational training from 8-12 grades.	Progressing. Corrective measure: Beginning in Fall of 2008 a career unit will be integrated within the curriculum of the Eighth grade Tech I course.	Student Learning
2. A vocational curriculum is written to meet vocational and MSIP guidelines.	Met	Student Learning

Teacher Preparation: Evaluation of 2005 – 2008 Goals

TFA 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.).

Goal 2; 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.		
Action Step/Activity	Met, Progressing, Not Progressing and/or Corrective Measures	TFA
1. The Technology Information Program (TIP) will provide technology professional development for teachers to learn how to develop student projects that address all student learning styles and abilities.	Met	Teacher Preparation
2. The district will monitor the technology curriculum ensuring proper integration into the curriculum.	Progressing Corrective measure: Teachers will integrate technology within the EAT program as curriculum is rewritten.	Teacher Preparation

Goal 2; Objective 2: The district will ensure that staff training, teaching, and student learning goals are met.

Action Step/Activity	Met, Progressing, Not Progressing and/or Corrective Measures	TFA
1. Provide district required technology training on computer skills, integrating technology in the curriculum, iSafe Technology training through the Technology Information Program (TIP) and district professional development days	Progressing Corrective measure: Training will be provided for integrating student technology skills in the curriculum's Electronic Alignment Tool.	Teacher Preparation
2. Teachers and librarians will integrate technology benchmarks in the curriculum to ensure student technology goals are met.	Not progressing Corrective measure: Training will be provided for integrating technology in EAT when rewriting curriculum.	Teacher Preparation

Administration: Evaluation of 2005 – 2008 Goals

TFA 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.

TFA Goal 3; Objective 1: Expand the School Information Systems (SIS) for parents/guardians and employees to access student information.

Action Step/Activity	Met, Progressing, Not Progressing and/or Corrective Measures	TFA
1. Continue training employees on SIS features through the Technology Information Program (TIP) or Professional Development days.	Met	Administration
2. Provide parents/guardians with direct access to their child's data.	Not progressing Corrective measure: Include as a goal in 2008-2011 plan.	Administration
3. Increase access to student test and assessment data.	Not progressing Corrective measure: Include as a goal in 2008-2011 plan.	Administration

Goal 3; Objective 2: The district will have systematic procedures in place to review and revise the written curriculum.

Action Step/Activity	Met, Progressing, Not Progressing and/or Corrective Measures	TFA
1. Purchase grade level software to evaluate strengths and weaknesses of all district curricula. Secondary: Mastery Manager Elementary: CTB/McGraw-Hill Classroom Manager	Met	Administration
2. Provide teacher training on how to use, read, evaluate, and apply results from curriculum software to the student learning environment.	Met for experienced teachers. Progressing for new teachers. Corrective measure: Provide new teacher training, continue training throughout first year of teaching.	Administration
3. Increase access to student test and assessment data.	Not progressing Corrective measure: Include as a goal in 2008-2011 plan.	Administration

Resources: Evaluation of 2005 – 2008 Goals

TFA 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 environments.

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 student will be provided access to resources of the type and quantity needed to effectively implement the curriculum of the school.

Action Step/Activity	Met, Progressing, Not Progressing and/or Corrective Measures	TFA
1. Increase computers and new technologies according to student enrollment and courses using technology.	Progressing Corrective measure: Computers are added as computer related courses are increased.	Resources
2. A five year district computer rotation replacement plan is in place.	Progressing Corrective measure: A rotation plan is currently being developed by the technology staff.	Resources
3. Protect district servers from viruses and Spam with appropriate firewall/Spam filtering programs. (Spam Filter - Barracuda Model 300 and updates)	Met	Resources
4. Explore installing or upgrading to Fiber Optics or coaxial connection between all buildings.	Progressing Corrective measure: As budget permits upgrades are completed.	Resources
5. Fund technologies requested on the yearly eRate Form 471.	Met	Resources
6. Will continually upgrade server software, protocols, hardware to meet federal and state guidelines.	Met	Resources

Goal 4; Objective 2: The district web site will be further developed to include information necessary for the employee teaching and working

environment.		
Action Step/Activity	Met, Progressing, Not Progressing and/or Corrective Measures	TFA
1. Develop professional development information.	Not Progressing Corrective measure:	Resources
2. Develop the web site to be used by parents and students as communication tool between the school and home.	Progressing Corrective measure: District is exploring including online access to student information.	Resources

Technical Support: Evaluation of 2005 – 2008 Goals

TFA 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: Increase technical support to meet state standard of one technical support staff member per 300 computers.		
Action Step/Activity	Met, Progressing, Not Progressing and/or Corrective Measures	TFA
1. Add additional district technical support.	Progressing Corrective measure: Analyze technology work requests to determine if additional staffing is needed.	Technical Support
2. Train librarians to be building technology support or troubleshooters.	Progressing Corrective measure: Middle and High School provide basic tech support.	Technical Support
3. Train students to perform basic computer maintenance.	Progressing Corrective measure: UniTec Career students are considered for training.	Technical Support

Goal 5; Objective 2: Increase technology support to assist teachers integrating technology within the curriculum.		
Action Step/Activity	Met, Progressing, Not Progressing and/or Corrective Measures	TFA
1. Create instructional technology position and or District Library Coordinator.	Not Progressing. Corrective measure: Continue to analyze budget for funding possibilities.	Technical Support

Summary of 2005 – 2008 Technology Plan Goals Strengths and Weaknesses

2005 – 2008 Student Learning (TFA 1)

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

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

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

Objective 3: Students will receive post-secondary preparation using various technologies through a vocational curriculum and/or vocational training.

Strength	Progressing	Not Met/Weakness
<ol style="list-style-type: none"> 1. Instructors seek and write technology grants. 2. Vocational curriculum meets MSIP guidelines and is implemented at UniTec Career Center, the high school, and eighth grade. 3. The middle school and high school librarians assist instructors developing technology projects. 4. The middle school and high school librarians assist students with all technology projects. 	<ol style="list-style-type: none"> 1. The eMints program is continued and grants written to advance the program. 2. Software is evaluated and purchased for appropriate grade level activities - when funding is available. 	<ol style="list-style-type: none"> 1. Due to lack of director or training personnel the iSafe curriculum was not fully implemented. 2. Lack of eighth grade technology assessment. 3. Lack of a selection of online or university collaborative courses. 4. Technology benchmarks are not in place for the PK – 12 technology skills. 5. According to PROFILER over 80% of district teachers do not understand nor have they had training on the concept of student digital portfolios. 6. Students technology proficiency is not documented.

2005 – 2008 Teacher Preparation (TFA 2)

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.).

Strength	Progressing	Not Met/Weakness
<ol style="list-style-type: none"> 1. New teacher program expanded to included technology and research skills. 2. eMints teachers continue training. 3. Teacher proficient in using email, Word, instructional software, etc. 4. According to PROFILER over 70% of district teachers use data to analyze and interpret student performance. 	<ol style="list-style-type: none"> 1. Teachers using data from grade level software programs to analyze student test data. 	<ol style="list-style-type: none"> 1. Technology training opportunities are not included in district professional development program. 2. According to PROFILER 50% or more of district teachers do not include technology skills in student project rubrics.

2005 – 2008 Administrative (TFA 3)

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.

Strength	Progressing	Not Met/Weakness
<ol style="list-style-type: none"> 1. Web site expanded for community and parent communication, employee forms, technology and maintenance work requests, and instructional tools. 2. All buildings use SIS attendance and gradebook. 3. Funding provided for security cameras and software. 4. SIS Financial implemented as the district accounting system. Accounting system meets DESE guidelines. 5. According to PROFILER over 70% of the district administrators agree or strongly agree with the district technology vision statement and promote the use of district-wide technology for student learning and administrative purposes. 6. According to PROFILER over 80% of classified staff can use technology, including software programs, effectively and efficiently within their work environment. 7. According to PROFILER over 80% of 5th – 8th grade teachers have class web sites. 	<ol style="list-style-type: none"> 1. Web site will be further expanded for a parent communication tool to access student information. 2. Training on SIS offered during beginning of school workshop days, but lacks during school year. 3. When funding is available grade appropriate software purchases meet district curriculum guidelines. 4. Some training on curriculum software is provided by the district. 	<ol style="list-style-type: none"> 1. Funding not available to increase technology staffing, equipment, and educational software programs. 2. Computer rotation program will not include increasing the number of district computers. 3. Approximately 90% of the 9-12 grade teachers do not have class web sites.

2005 – 2008 Resources (TFA 4)

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 environments.

Strength	Progressing	Not Met/Weakness
<ol style="list-style-type: none"> 1. All goals and objectives are 'Progressing'. 2. All software meets federal state guidelines. 3. A district technology grant was developed for teachers to acquire technology for instructional purposes. The grant is awarded once a year. 4. Staff take advantage of web classes and web page tutorials to develop class web sites. 5. All instructors have a computer for instructional, attendance, and gradebook use. 	<ol style="list-style-type: none"> 1. The computer rotation has been developed and is on schedule. 2. Through the district web site parents have access to school calendars, activities, and menus. 3. Although the district web site does not provide tutorials to assist employees in their work environment, the technology staff offers assistance when needed. 4. Some classrooms have access to telephones. 	<ol style="list-style-type: none"> 1. The first benchmark of a ratio of one computer to two students was not met but students have access to computers when needed. 2. Through the district web site parents do not have access to student schedules, attendance, and/or grades. 3. Although some of the instructional staff attends technology workshops proof of student increase use of technology has not been documented through student portfolios. 4. No grade level software inventory exists.

2005 – 2008 Technical Support (TFA 5)

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

Strength	Progressing	Not Met/Weakness
1. Increased technology staff by one to aid with computer repairs and software troubleshooting. 2. Librarians in the middle school and high school assist as building technology troubleshooters. 3. Technology Plan Coordinator maintains and keeps district web site up-to-date. 4. Online technology work order request is available for use by all district employees.	1. Other building librarians do not have the time to aide the tech department with troubleshooting computers. 2. District technology budget was increased to add a technology position. 3. Training UCC students to assist with basic computer maintenance.	1. Lack of full time technology director/web master. 2. Lack of written technology disaster plan for equipment and information recovery.

North St. Francois County R-I 2008 - 2011 Technology Goals



The evaluation of the 2005 – 2008 Technology Goals, as stated within this plan, outlines the strengths, progression, and weaknesses of the 2006-2009 district technology plan. To improve and maintain the use of district technology the following goals are developed from district technology progresses and weaknesses.

The 2008-2011 Technology Goals are board approved to meet the technology requirements as set forth by the Department of Secondary and Elementary Education.

The 2008-2011 Technology Goals are cross referenced to the following:

Comprehensive School Improvement Plan (CSIP)
National Education Technology Standards (NETS)
Missouri School Improvement Plan (MSIP)
Missouri Education Technology Strategic Plan (METSP)
Information and Technology Literacy Competencies (ITLC)
ShowMe Standards
Title IID Program Goals (Title IID)
Children's Internet Protection Act (CIPA)
FERPA
HIPPA

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

TFA 1: Student Learning

Goal 1: Through an integrated technology curriculum students with all learning styles and abilities will successfully use a variety of media to access, organize, evaluate, and communicate information.

TFA 2: Teacher Preparation

Goal 2: Technology professional development will increase teacher's use of technology as a teaching, communication, and evaluation tool for students of all learning styles, abilities, and special students.

TFA 3: Administration

Goal 3: Current technologies are funded to support student learning, parent and community communication, and all district employees' working environments.

TFA 4: Resources

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.

TFA5: Technical Support

Goal 5: The NCSD technology staff will provide timely, adequate support for students, parents, and district employees to access, organize, evaluate, and communicate information.



2008 - 2011
Technology Focus Area: Student Learning

Goal 1: Through an integrated technology curriculum students with all learning styles and abilities will successfully use a variety of media to access, organize, evaluate, and communicate information.

**METSP S1, S2
 Title IID program goals
 National Educational Technology Standards (NETS)
 Missouri ShowMe Standards 1.2; 1.3; 1.4; 1.5; 1.7; 2.7; 3.6; 4.4; 4.8**

Objective 1: Students are using technology as a learning tool to complete projects, research assignments, and classroom learning tool.

Action Step/Activity	Time-line	Responsible Person	Review Dates	Est.Cost/ Funding Source	Progress Expected & Measured	Standards Met
1. Technology skills are integrated in the district K-12 online curriculum (EAT).	2008-Ongoing	Principals Asst. Superint. Teachers	Annual	No addn'l cost District Budget	Curriculum areas reflect technology integration Students are using technology as a learning tool	MSIP 6.1.1; 6.1.3; 6.4.4 CSIP
2. At risk students are provided high school alternative credit opportunities.	2008-Ongoing	HS Principal Teachers	Annual	Career ladder/Teachers receive stipend District Budget	Alternative times (night) provided for independent instruction. Software and computers are provided. Students have received credit for completed courses.	MSIP 6.3.4; 6.5.3; 6.5.2 CSIP 1.1; 1.2; 1.4
3. Special services/gifted students use technology to enhance academic performance.	2008-Ongoing	Asst. Superint. Special Services Dir.	Annual	No addn'l cost District Budget	IEP and gifted program reflect technology integration for individual students and/or classes.	MSIP 7.1.2; 7.2.3 CSIP 1.1; 1.2
4. As a teaching tool librarians develop web sites for students to access databases, e-books, appropriate online resources, and other resources.	2008-Ongoing	Superint. Asst. Superint. Librarians	Annual	Costs vary from LMC's District Budget Future Grants	Librarians instruct students how to use web resources. Students are independently using resources to complete projects/assignments.	MSIP 6.8.1; 6.8.3; 6.4.4 CSIP 1.3
5. The ISTE/eMINTS program is continued at the elementary level and evaluated for integration at upper grades.	2008-Ongoing	Principals Teachers Librarian	Annual/As DESE offers grant opportunities	Funded through Title IID & eMINTS Grants	ISTE/eMINTS classrooms follow the District Technology Plan Increase in student achievement and MAP scores	MSIP 6.1.3; 6.4.4 CSIP 1.1
6. Explore and write grants to include new technologies that will benefit student achievement and increase district test scores.	2008-Ongoing	Teachers Asst. Superintendent	Annual	No addn'l cost District Budget Future Grants	Teachers are writing technology grants for student learning Technologies awarded from grants are	MSIP CSIP 1.1

7. Explore adding online/collaborative HS/college courses to the High School Curriculum.	2008-Ongoing	Principal Asst. Superint.	Annual	Not known at this time	integrated in the student learning environment Students engaged in online/collaborative classes. Courses are accepted for HS/college credit	MSIP 6.2.1; 6.2.4; 6.5 CSIP 1.1
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Benchmark: Results of MAP scores, district standardized assessments and benchmarks reflect an increase in student achievement. Students, as observed by teachers, librarians, principals, are independently using technology. High school students are participating in online college courses.
Corrective Strategy: Review and revise the curriculum to ensure the National Educational Technology Standards are integrated within all curriculum areas.

Objective 2: By the end of eighth grade all students are technologically literate.

Action Step/Activity	Time-line	Responsible Person	Review Dates	Est.Cost/ Funding Source	Progress Expected & Measured	Standards Met
1. All eighth grade students will complete a class titled "Technology I" meeting Title IID program goal that all eight grade students are technologically proficient.	2008-Ongoing	Principal Teacher Curriculum Director	Annual	No addn'l cost District Budget	All 8 th grade students will pass Tech I with 80% proficiency.	MSIP 6.1.3; CSIP 1.1 Title IID
2. Technology benchmarks will be developed for 5 th grade students.	2008-Ongoing	Asst. Superintendent IS Principal Business teacher	Annual	No addn'l cost District Budget	Proficiency to be determined by instructor. Establish baseline proficiency data in 2009 to be used to review and revise the written curriculum.	MSIP 6.1.4 CSIP 1.1

Benchmark: Technology proficiency for eighth grade students will be marked in the student information program in the 'TechLit8' checkbox.
Corrective Strategy: Review and revise course requirements for underachieving students.

Objective 3: Vocational training and curriculum options are available to all 9-12 students.

Action Step/Activity	Time-line	Responsible Person	Review Dates	Est.Cost/ Funding Source	Progress Expected & Measured	Standards Met
1. "Technology I" (middle school course) includes a career unit for eighth grade students.	2008-Ongoing	Principal Teacher Curriculum Director	Annual	No addn'l cost District Budget	Students explore career options Students develop a career portfolio	MSIP 7.3.1; 7.7 CSIP 1.1
2. Vocational courses are offered to prepare the 9-12 student for post-secondary vocational training, to encourage career planning, and/or provide workplace readiness skills for the graduate to immediately enter the work force.	2008-Ongoing	Vocational Director Vocational & High School Teachers Counselors Principals	Annual	No addn'l cost District Budget	A vocational curriculum meets MSIP, is board approved, and in place. Students are completing vocational training.	MSIP 7.3.1; 7.3.4; 8.1.2 CSIP 1.1

Benchmark: The 180 day follow-up UniTec survey will show the percentage of graduates that are in vocationally related or non-related employment.
Corrective Strategy: Analyze vocational curriculum to determine areas that need revision.



2008 - 2011

Technology Focus Area: Teacher Preparation & Delivery of Instruction

Goal 2: Technology professional development will increase teacher's use of technology as a teaching, communication, and evaluation tool for students of all learning styles, abilities, and special students.

METSP T1, T2

Title IID program goals

National Educational Technology Standards (NETS)

Missouri ShowMe Standards 1.2; 1.3; 1.4; 1.5; 1.7; 2.7; 3.6; 4.8

Objective 1: Teachers will receive training on curriculum review, technology integration, and classroom assessment strategies.

Action Step/Activity	Time-line	Responsible Person	Review Dates	Est.Cost/ Funding Source	Progress Expected & Measured	Standards Met
1. Training time will be provided for teachers to develop and write an integrated technology curriculum.	2008-Ongoing	Principals Asst. Superin. Professional Dev. Comm.	Annual	No addn'l cost District Budget	Professional Development Days are provided for writing curriculum. Online curriculum (EAT) is accessible to teachers and parents and is implemented.	MSIP 6.1.2; 6.7.2; 6.7.6; 6.4.3 CSIP 1.5
2. The district provides time for teachers to collaborate to analyze strengths and weaknesses in lessons, benchmarks, and curriculum.	2008-Ongoing	Principals Teachers Librarian Professional Dev. Comm.	Annual	No addn'l cost District Budget	Wednesdays are used for late starts and early outs as time for teachers to develop benchmarks. Classroom manager and Mastery manager report objectives met on benchmarks	MSIP 6.7.4 CSIP 1.5
3. Special services/gifted teachers receive training on software that assists and enhances student achievement.	2008-Ongoing	Special Services Dir. & Teachers Principals Professional Dev. Comm.	Annual	No addn'l cost District Budget Federal Title Program	IEPs are completed, students are using technology as a learning tool Parents approve IEPs, students complete appropriate technology projects.	MSIP 7.1; 6.7.6; 6.4.3 CSIP 1.5

Benchmark: According to Performance Based Evaluations teachers are integrating technology within their teaching and student assignments. Technology Committee reviews PROFILER results to determine professional development training.

Corrective Strategy: District PD offers more technology and software training for district teaching staff.

Objective 2: District supports technology training from outside sources.

Action Step/Activity	Time-line	Responsible Person	Review Dates	Est.Cost/ Funding Source	Progress Expected & Measured	Standards Met
1. District participates with SEMO providing low cost tuition graduate technology classes.	2008-Ongoing	Superintendent Teachers	Annual	Partially paid by district & teacher	Technology courses are developed and offered to district teachers Participants receive graduate credit	MSIP 6.7.6 CSIP 1.5
2. Professional Development funds pay technology workshop fees for teachers to attend outside (district) sponsored technology workshops.	2008-Ongoing	Prof. Dev. Com. Superintendent Principals	Annual	Prof. Dev. Funds District Budget	Teachers attend workshops offered by outside vendors and/or universities Attendees share knowledge with building peers and/or conduct workshops.	MSIP 6.7.3 CSIP 1.5
3. PDC conducts surveys to determine technology training needs.	2008-Ongoing	Prof.Dev. Committee	Annual	Prof. Dev. Funds District Budget	PDC provides training and/or speakers for implementing technology within the classroom.	MSIP 6.7.5 CSIP 1.5

Benchmark: Participants are sharing newly acquired with peers and integrating into the curriculum.

Corrective Strategy: Require participants share information in buildings within a set time frame.



2008 - 2011

Technology Focus Area: Administration/Data Management/Communications

Goal 3: Current technologies are funded and in place to support student learning, parent and community communication, and all district employees' working environments.

METSP A1, A2
 Title IID program goals
 National Educational Technology Standards (NETS)
 Missouri ShowMe Standards 1.2; 2.7; 3.6; 3.7; 3.8; 4.4; 4.5

Objective 1: District finances are evaluated for appropriate and equitable technology distribution among student learning, parent use, and all district employees' working environments.

Action Step/Activity	Time-line	Responsible Person	Review Dates	Est.Cost/ Funding Source	Progress Expected & Measured	Standards Met
1. Computer/technology rotation plan provides current and appropriate equipment and software for students and employees.	2008-Ongoing	Superintendent Asst. Tech Dept.	Annual	\$100,000/year District Budget Title Funds	Appropriate equipment and software is purchased and installed each summer Students and employees are using appropriate equipment and software	MSIP 8.5.4 CSIP 2.1
2. Financially support all district programs used for employees to complete teaching assignments, job tasks for example: student information program, work order system, food service software, transportation, purchase order system, accounting system, email system, etc.	Begin 2009	Principals Asst. Superintendent Professional Dev. Comm.	Annual	No addn'l cost District Budget	Employees are able to complete job requirements. Surveys are conducted and/or committees are formed to determine efficiency, costs, and appropriateness of district programs.	MSIP 8.5.4 CSIP 2.1
3. District participates with SEMO providing low cost tuition graduate technology classes.	2008-Ongoing	Superintendent Teachers	Annual	Partially paid by district & teacher	District pay partial tuition for participating district teachers Participants reimbursed for course fees.	MSIP 6.7.6 CSIP 2.1
4. Analyze budget to increase technology department personnel to include a technology director/technology instructional coordinator	2008-Ongoing	Board of Ed. Tech. Dept. Tech. Comm.	Annual	District Budget	Board of Education votes to include funding for position in district budget Director is hired.	MSIP 8.1.1; 8.5.4 CSIP 2.1

Benchmark: Yearly budget has itemized technology items to maintain, upgrade, and rotate equipment.

Corrective Strategy: Analyze budget for appropriate use of funds and possibly transfer between technology accounts to correct budget deficiency between accounts. Locate and write grants to easy budget deficiencies.

Objective 2: The district will evaluate new technology procedures and software that will increase student, parent, community, and employee use of technology.

Action Step/Activity	Time-line	Responsible Person	Review Dates	Est.Cost/ Funding Source	Progress Expected & Measured	Standards Met
1. The district provides email accounts, a centralized phone system, and a district web site as a communication tool between district staff, parents, and students.	2008-Ongoing	Tech. Dept.	Annual	Tech Salaries District Budget	Parents are able to easily contact principals and faculty for student information.	MSIP 7.5.3 CSIP 2.1
2. A district web site provides access to district information, for example: curriculum, student handbooks, course catalog, building activity schedules, and other student/parent information.	2008-Ongoing	Tech. Dept.	Annual	Tech Salaries District Budget	Students, parents and community keep up to date concerning student and district activities.	MSIP 7.5.3 CSIP 2.1
3. Implement a phone/email system designed to communicate with large numbers of parents and staff.	2008-Ongoing	Superintendent Tech. Dept.	Annual	Community funded	Parents and staff are informed of school closings and emergencies.	MSIP 7.6 CSIP 2.1
4. Committees will evaluate administrative and instructional software programs as district needs change.	2008-Ongoing	Tech. Dept. District Committees	Annual	Staff Salaries District Budget	Committee will report findings to the school board and district technology committee.	MSIP 6.4; 8.5.4 CSIP 2.1
5. Middle and High School Library funded databases are evaluated to meet student research objectives.	2008-Ongoing	Superintendent Librarians	Annual	District Budget	Library budgets purchase research databases. Databases are accessible through library web sites.	MSIP 6.8.1; 6.4 CSIP 2.1

Benchmark: Surveys indicate students, parents, and community use district technology as on way to obtain student and district information.

Corrective Strategy: Review district needs as they occur.



2008 - 2011

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.

METSP R1
 Title IID program goals
 National Educational Technology Standards (NETS)
 Missouri ShowMe Standards 1.4; 2.7

Objective 1: A technology rotation plan assures computers, software, and other technologies are appropriate for the student learning, teaching, and workplace environment.

Action Step/Activity	Time-line	Responsible Person	Review Dates	Est.Cost/ Funding Source	Progress Expected & Measured	Standards Met
1. A computer rotation plan that ensures students at all grade levels have appropriate computers and software is in place.	2008-Ongoing	Superintendent Asst. Superin. Tech Dept.	Annual	\$100,000 District Budget Title Funds	Technology is appropriate for students to complete projects/assignments Student projects/assignments are satisfactorily completed in a timely manner	MSIP 6.4; 7.3 CSIP 3
2. Appropriate computers and software are purchased for supporting the instructional environment.	2008-Ongoing	Asst. Superin. Principals Tech Dept.	Annual	District Building & Dept. Budgets	Buildings budgets include funds to upgrade employee computers Employees are completing job tasks in an accurate and time fashion.	MSIP 6.4; 7.3 CSIP 3

Benchmark: Rotation plan has been in force for three years.

Corrective Strategy: Determine who is responsible for rotation plan and if budget is sufficient to continue rotation plan.

Objective 2: District technology provides communication between the district and students, parents, employees, and the community.

Action Step/Activity	Time-line	Responsible Person	Review Dates	Est.Cost/ Funding Source	Progress Expected & Measured	Standards Met
1. Implement a phone contact system between the district and parents.	2008-Ongoing	Superintendent Tech Dept	Annual	District funds/Communi ty donations	System is operational by the end of 2009. Parents receive district information in a timely manner	MSIP 7.5; 7.6; 8.2; 8.3; 8.8; 8.9 CSIP 1.6

2. Explore purchasing and installing a district-wide centralized phone system.	2008-Ongoing	Superintendent Tech Dept.	Annual	E-rate District Grants	Centralized maintenance and add new technologies Software/equipment is installed and functioning	MSIP 6.4.1 CSIP 1.6
3. District provides a student information program for student, parent, counselor, teacher, and other appropriate employees as an evaluation tool to increase student achievement.	Beginning 2009	Principals Asst. Superintendent Teachers Counselors	Annual	Cost included in software purchase price District Budget	Data is correctly entered in a timely fashion Data is accessible for students and parents to make informed academic choices.	MSIP 6.4.1; 7.5; 7.6; 8.1.1; 8.2; 8.3; 8.8; 8.9 CSIP 1.6
4. District provides Internet access to online high school courses offered through universities for high school/college credit and/or alternative credit opportunities.	2008-Ongoing	HS Principal Teachers	Annual	Incl. in MoreNet costs District Budget eRate	HS students have access to computers, appropriate software, and Internet. Students able to complete lessons by their due date. Students receive HS/college credit.	MSIP 6.4; 8.1.1 CSIP 1.1; 1.4
5. Fund technologies requested on the yearly eRate Form 471.	2008-Ongoing	Technology Staff	Annual	\$92,000+/year e-Rate Reimbur.	Forms are completed on time. Requested technologies are funded and purchased.	MSIP 6.4; 8.6 CSIP 2.1
6. District web site provides access to district activities, regulations, policies, and student information.	2008-Ongoing	Superintendent School Board Tech Dept.	Annual	Incl. in MoreNet costs District Budget eRate	District employees, students, parents, and community regularly use web site to access info. Emails indicate web site is actively used, employees use for email, work requests, schedules, etc.	MSIP 8.1.1 CSIP 1.6
7. District Email virus and spam filtering service meets federal guidelines and is actively engaged.	2008-Ongoing	Asst. Super. Technology Dept.	Annual	\$8,000 Provided by MoreNet	MOREnet provides district EVSF service. 93% of all mail confirmed as spam is blocked.	MSIP 7.7 CSIP 2.1
8. Evaluate server software, protocols, hardware to meet federal and state guidelines. i.e. maintain CIPA compliance	2008-Ongoing	Tech. Staff Tech. Plan Coord. School Board	Annual	No addn'l costs District Funds	Meets FERPA, HIPPA, and is CIPA All software, protocols, hardware are installed and active.	MSIP 7.7 CSIP 2.1

Benchmark: Surveys show parents are actively using district technology to contact faculty, gather student information, and stay informed concerning district/building activities.

Corrective Strategy: Determine the most efficient use of the web site, phone system, other technology communication tools.



2008 - 2011
Technology Focus Area: Technical Support

Goal 5: The NCSd technology staff will provide timely, adequate support for students, parents, and district employees to access, organize, evaluate, and communicate information.

METSP TS1
 Title IID program goals
 National Educational Technology Standards (NETS)
 Missouri ShowMe Standards 1.1; 1.2; 1.3; 1.4; 1.5; 1.6; 2.1; 2.3

Objective 1: Maintain a network to enhance the student learning and employee work environment.

Action Step/Activity	Time-line	Responsible Person	Review Dates	Est.Cost/ Funding Source	Progress Expected & Measured	Standards Met
1. All buildings will be connected via fiber optics.	2008-Ongoing	Asst. Supert. Tech. Dept.	Annual	No addn'l cost District Budget	Connectivity is complete.	MSIP 6.4.1; 6.8; 7.3 CSIP 3
2. Analyze district technology to determine if equipment meets student learning and staff work environment needs. Rotate and replace as necessary.	2008-Ongoing	Asst. Supert. Tech. Dept.	Annual	District Budget	Rotation plan is implemented.	MSIP 6.4.1; 6.8; 7.3 CSIP 3
3. Analyze technology personnel job descriptions and district requests to determine feasibility of adding a technology director position	2008-Ongoing	Asst. Supert. Tech. Dept.	Annual	District Budget	Position is filled.	MSIP 8.4.1 CSIP 3
4. Review district software licenses for compliance and upgrade status.	Beginning 2009	Asst. Supert. Tech. Dept.	Annual	District Budget	All software licenses meets federal guidelines, i.e. CIPA	MSIP 7.7 CSIP 2.1
5. Increase technology staff to meet state technology plan ratio of students to computers.	Beginning 2009	Asst. Supert. Tech. Dept.	Annual	District Budget, if approved	Meet METSP guidelines for staffing.	MSIP 6.4.1; 8.4.1 CSIP 2.1
6. Online technology work order system monitors requests and time to complete work orders.	2008-Ongoing	Asst. Supert. Tech. Dept.	Annual	Partial District Budget	Student learning and staff completing job tasks experience minimal equipment downtime.	MSIP 6.4.1; 8.1 CSIP 2.1
7. Maintain data server, MoreNet participation.	2008-Ongoing	Asst. Supert. Tech. Dept.	Annual	District Budget e-Rate	Upgrade as needed. Meets CIPA guidelines.	MSIP 6.4.1; 7.7 CSIP 2.1

Benchmark: SchoolDude work order system will show that repairs are completed with minimal down time for employees and/or students.

Corrective Strategy: Analyze results of SchoolDude data to determine if more staffing or equipment is needed to maintain an efficient work environment for district staff and students.

Communication/Dissemination, Monitoring, and Evaluation

Communication/Dissemination

School/student publications
District Web Site (http://www.ncsd.k12.mo.us/techplan2008_11/TechnologyPlan_2008_11.pdf)
Community newspaper (The Daily Journal)
Formerly present to North County Board of Education
Local Radio Stations (KREI, KFMO, etc.)
Email district employees the approved plan
District Committees
Administrative Meetings
Building Faculty Meetings
Building Parent Communications/Newsletters

Monitoring

Implementation of North County School District's Technology Plan will be a collaborative effort by the responsible persons stated within the plan's action steps and the district's technology committee. The technology committee will be divided into five sub-committees representative of the five TFA's as stated within this plan. Committees will meet yearly monitoring progress of the plan, suggesting improvements for the writing of the next plan, and forwarding information about the progress of the plan to the Board of Education.

Evaluation

How the plan is evaluated is laid out within the specific TFA's. Each goal is evaluated based on the progress of the action steps designed to meet DESE's tools designed for student achievement and curriculum development. Each action step is individually addressed with an over all benchmark that monitors the goal's progress. Those tools include MAP testing, the GLEs, Show-Me Standards, MSIP, and METSP. To evaluate the plan the following criteria will be used:

- Action steps outlined within this plan.
- District Technology Committees to yearly evaluate progress based on the stated 'action step' timelines.
- Analyze the district budget to determine district technology spending.
- Gather and analyze data to make recommendations for alterations in the plan.
- Analyze the tie between the MAP and the technology plan.