

Technology Plan

2006-2009



Diamond R-IV School District

401 S. Main Street
Diamond, MO 64840

www.diamondwildcats.org

Mr. Mark Mayo, Superintendent

Compiled by: Preston Wright, Technology Coordinator

TECHNOLOGY PLANNING AND MISSION STATEMENT

Introduction

The Diamond R-IV School Districts serves 812 students in K-12 within an 80 square mile geographical location in central Newton County . The technology plan serves 380 elementary students, 196 middle school students, 236 high school students, 70 certified staff, and 18 support staff. Some of our students in grades 11-12 attend Franklin Technical Center in Joplin, MO. Within this population 36.8% of the students qualify for free or reduced meals.

Our society has moved from the Industrial Age to the Information Age. The culture in which our students live is substantially impacted by a variety of technologies. In discussion after discussion with parents, technology is cited as essential to the student's education. Educators believe it is important for the future and business leaders consider it a mandatory part of a student's preparation for the workplace. The Diamond R-IV School has made a commitment to provide the best education possible for all our students. Our mission is to prepare each student to become a productive member of society. Developing the skills students need in the area of technology is integral to this mission.

Technology Plan Format

This plan evaluates the 2003-2005 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 TFAs 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.

Technology Committee

The district has in place a District Technology Advisory Committee includes members from the student body, parents, teaching staff, administrators, technical support staff and community members. The committee evaluates, discusses technology issues, and develops future goals for implementing technology within the district. The district committee is divided into sub-committees that focus on individual TFAs. The Technology Coordinator is responsible for implementation of the plan.

Students School Administration Teachers K-12 Parents 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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District Technology Team			
Name	Position/Affiliation	Category	TFA Addressed
Mr. Mark Mayo	Superintendent	Administration	1; 2; 3; 4; 5
Mr. Larry Doennig	Curriculum Director	Administration	1; 2; 3; 4; 5
Rita Coburn	Director of Special Education	Special Education	1; 2; 3; 4; 5
Preston Wright	Technology Coordinator	Technology Staff/Elementary Parent	3; 4; 5
Patricia Wilson	High School Principal	Administration	1; 2; 3; 4; 5
Danny DeWitt	Middle School Principal	Administrator	1; 2; 3; 4; 5
Deanna Yokley	Elementary Principal	Administration	1; 2; 3; 4; 5
Rebecca Johnson	Library Media Specialist	Library/Middle School Parent	1; 2; 3; 4; 5
Bob Roszell	Middle School Instructor	Teaching Staff	1; 2; 4; 5
Donna Dorsey	High School Vocational Instructor	Teaching Staff	1; 2; 4; 5
Richard Curran	High School Instructor	Teaching Staff	1; 2; 4; 5
Brian Brimacombe	High School Instructor	Teaching Staff	1; 2; 4; 5
Merri Brummett	Elementary Instructor	Teaching Staff	1; 2; 4; 5
Ami Dodge	Middle School Instructor	Teaching Staff/Elementary Parent	1; 2; 4; 5
Carolyn Bressie	Elementary Instructor	Elementary Parent/Teaching Staff	1; 2
Beth Nickolaisen	School Board Member	School Board Member/HS/MS Parent	1; 2; 3; 4; 5
Lisa Matthews	School Board Member	School Board Member/HS/ES Parent	1; 2; 3; 4; 5
Wayne Webb	Chiropractor	Community/HS Parent	1; 4
Larry Hicks	Businessman	Community/HS Parent	1; 4
Whitney Booyer	Student	High School Student	1; 2; 4
Jake Edge	Student	High School Student	1; 2; 4
Zach Towers	Student	High School Student	1; 2; 4

Beliefs

Given the importance of technology in our society today and the growing dependence on technology in the future, the Diamond R-IV School District sees the need to:

Enable students to use technology as a learning tool.

Provide access to technologies at all grade levels which will help students develop skills that will lead to improved student achievement.

Provide students an opportunity to acquire adequate background in technology based applications so that the student will be able to use these applications in the adult world.

Provide an opportunity to acquire adequate training and encouragement to allow the staff to effectively use available technologies to enhance delivery of instruction.

Enable the school district to better communicate with its patrons.

Utilize technology to gather and analyze school related data for purposes of on-going school improvement.

Based on our beliefs and the realities of the 21st century, the Diamond R-4 schools will strive to:

- utilize technology to improve teacher preparation and delivery of instruction;
- enhance teaching and learning processes through administrative and managerial use of technology;
- use technology to effectively communicate with parents and the community;
- provide equitable access to technology for all students, teachers, administrators and staff members;
- provide adequate technical training and support to students and staff;

All with the ultimate goal of improving student achievement and performance through the use of educational technologies in the teaching of curricular objectives; in the analysis of school related data; and in communication with district patrons.

Mission

The Diamond R-IV School District's Technology Mission is to integrate technology within the total school community. Through the equitable distribution of resources to all district students, a technology curriculum focused on meeting the district's CSIP teaching, learning, administrative goals, and integrating the National Education Technology Standards will assure all students are technologically literate (Title II D Goal) by eighth grade. Through professional training district employees will promote the student learning environment within the classroom and employee working environment. 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.

Vision

To achieve this mission we envision creating a technology program which will provide the opportunity and means to access educational hardware and software, technological training and support, and on-line services. We seek to have in place an integrated, interactive, whole-school learning environment in which students and educators use technology to enhance the teaching knowledge and skills in all curricular areas. We seek to establish and maintain systems to enable teachers and administrators to manage data to analyze the success educational programs and to utilize technology to communicate with everyone who has an interest in the educational process in the Diamond R-4 School District.

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
Diamond R-IV 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
District Technology Professional Development Program	Survey	District	
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
Diamond R-IV Plans Comprehensive School Improvement Plan (CSIP) 2003-2005 Technology Plan Annual Technology Department Evaluation	Local Assessments	District	TFA 1; 2; 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 Express	Communication Tools	District	TFA 3; 4; 5
Board of Education approved Policies and Procedures meet CIPA guidelines: Technology/Internet Agreement includes Filtering Employee Technology/Internet Agreement (AUP) Student Technology/Internet Agreement (AUP) Copyright Policy Gifts to the School District	Policies and Procedures	District	TFA 1; 3; 4; 5

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 by the MSIP response during the MSIP review in March of 2004. Currently all seventh grade students are required to take a keyboarding class ensuring that all eighth grade students are technologically proficient meeting Title IID Program Goals.

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 Express for their email accounts
- Lemberger is used to manage student information
- Foundation for Educational Services is used to design and develop the district's web site

TFA 4: Resources

Census of Technology:

Years	02-03	03-04	05-06
# of Computers	225	232	239
# of Students	848	901	925
Ratio of Student/Computer	3.7/1	3.8/1	3.8/1

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: 17	Offices & District Servers	Win. Server 2003 Win. Server 2003 Netware 5.1	P3 933 MHz, 2GB, 18GBx2 HD P3 933 MHz, 2GB, 18GBx2 HD P3 933 MHz, 2GB, 9GBx4 HD	8	6				3
High School Students: 265 Ratio: 3.5 - 1 Workstations: 113	LMC & Classrooms Bus. Dept. Server	Win. Server 2003	Xeon 2.8GHz, 2GB, 73GBx3 HD, 36GBx2 HD	95	10				8
Middle School Students: 303 Ratio: 3.0 - 1 Workstations: 67	LMC & Classrooms			4					63
Elementary Students: 362 Ration: 2.7 - 1 Workstations: 65	Classrooms & LMC Other Mobile Carts Lab			4 10 28	2				59 3

TFA 5: Technical Support

During the 2004 school year, a full time computer technician was hired to reduce the wait time for computer repairs and installation. This has increased the efficiency of the technology staff. Currently, plans are to utilize the district media specialists for basic troubleshooting within their respective buildings.

Years	03-04	04-05	05-06
# of Computers	225	232	239
# of Technical Support Staff	1	1	1
Ratio of Staff/Computer	1/225	1/232	1/239

Total Cost of Ownership

Total cost of ownership is imbedded within each TFA chart under the title 'Est. Cost'. From 2002 to 2005 district funding for technology has remained steady. Changing accounting codes to identify technology spending has helped the district track technology costs: repairs, supplies, salaries, software, and new purchases. The chart below shows the increase in district funding for technology:

Total Technology Budget	
The Total Cost of Ownership is embedded within each TFA	
2002-2003	\$96,257
2004-2005	\$187,166.00

2004-2005 Total Cost	
Supplies	\$3,000
Software	\$11,562
Software Support	\$13,000
Instructional Computer equipment	\$140,177
Non-Instructional Computer Equip.	\$4,427
Technology Staff	\$15,000
Total	\$187,166.00

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 incentive technology grants are written to enhance

technology in multiple buildings. Title II, Title VI, Technology Acquisition Grant, and Vocational Enhancement Grants have also been used to fund technology. 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 and Objectives

Goal 1. The Diamond R-4 School District will strive to improve student achievement through the increased use of educational technologies in the teaching of curricular learner outcomes.

Objectives related to Student Learning:

Objective SL1.1 Technology equipment and software will be acquired which will be used to assist in increasing student achievement in math, science and higher order thinking skills.

Weakness addressed: MAP scores are low at all tested grades in the areas of science, math, and reading.

Progress Expected: MAP index scores at tested grade levels will rise 5% over the three year period. ACT scores will remain above the national average.

Progress measured: Yearly review of MAP and ACT scores.

Timeline: 2003-2006

Objective Update: Limited progress has been made, new computers in labs and classrooms have helped

Objective SL1.2 Technology equipment and software will be acquired which will be used to assist in increasing reading levels at grades 3 and 7.

Weakness addressed: Reading scores are low at grades 3 and 7.

Progress Expected: Map index reading scores will rise by 5%.

Progress measured: Yearly review of MAP reading scores.

Timeline: 2003-2006

Objective Update: New computers in Elementary Computer Lab, implementation of elementary reading program

Objective SL1.3 *The district will identify technological skills to be mastered at specific grade levels and will explore methods of offering more advanced technological courses.*

Weakness addressed: Student surveys show a desire for advanced technology courses beyond present offerings. The district needs to design a curriculum identifying technology skills to be mastered by specific grade levels.

Progress Expected: A basic technology curriculum will be written. Methods of offering advanced technology courses will be developed.

Progress measured: Curriculum written. Advanced courses offered.

Timeline: 2003-2005

Objective Update: Limited progress

Objectives related to Teacher Preparation and Delivery of Instruction

Objective TP 1.1 *Teachers will be trained in use of technology to enhance learning in the areas of science, math and reading.*

Weakness addressed: Technology used in a low percent of lesson plans.

Progress Expected: Documentation of lesson plans will reveal a 10% increase in infusion of use of technology.

Progress measured: Review of lesson plans developed to address curricular objectives.

Timeline: 2003-2006

Objective Update: Classes held recently for Faculty/Staff offering instruction on Microsoft Office XP Pro and it's usefulness in the classroom

Objectives related to Administration/Data Management/Communication Processes

Objective ADM 1.1 The district will utilize technology to monitor student progress relative to math, science, and reading curricular objectives.

Weakness Addressed: Surveys and committee input indicate that the district needs to make several improvements including installation of a networked or on-line gradebook and curriculum systems. This system will enable the district to track student progress and the effectiveness of curriculum in these areas.

Progress Expected: The district will install and train staff to use technology to record and disseminate curriculum development information and student progress.

Progress measured: Installation of needed technology, training sessions held, and utilization of technology.

Timeline: 2003-2006

Objective Update: Due to limited budgets, some systems have been looked at but not purchased

Objectives related to Resource Distribution and Use

Objective RD 1.1 The district will increase technology available to students.

Weakness Addressed: Software programs and computer assisted instruction are not adequate to address MAP score and other skill related concerns. There are inadequate numbers of computers in elementary school and high school.

Progress Expected: The district will acquire software to address MAP score concerns in math, science, and reading. The district will add enough computers to bring the student per computer ration to 5 to 1 in each building.

Progress measured: Annual census of technology.

Timeline: 2003-2006

Objective Update: Some improvement has been made in this area with the purchase of 45 new PC's in January 2005.
Current ratios are:

High School: 3:1

Middle School: 6:1

Elementary: 7:1

District: 5:1

Some of the older machines removed from the classrooms are being evaluated and will be placed back into some classrooms and will further reduce the ratio. There are approximately 25 machines that will be usable.

Objectives related to Technical Support

Objective TS 1.1 The district will increase technology availability by reducing the amount of time technology is unavailable due to repairs.

Weakness Addressed: Too much access to technology is lost due to time needed to make repairs.

Progress Expected: Time spent without access to technology due to repair issues will be reduced.

Progress measured: Review of repair request logs.

Timeline: 2003-2004

Objective Update: Due to the hiring of a full time Technology Coordinator and the placement of new equipment, response times have shortened to an average of 24 hours or less.

Goal 2. The Diamond R-4 School District will enhance the learning process through the increased use of technology for management of student data, monitoring of curriculum, and communication with community and patrons.

Objectives Related to Student Learning

Objective SL 2.1 Management software will be used to track student progress in regard to curricular outcomes.

Weakness addressed: MAP scores are low at all tested grades in the areas of science, math, and reading.

Progress Expected: MAP index scores at tested grade levels will rise 5%. ACT scores will remain above the national average.

Progress measured: Yearly review of MAP and ACT scores.

Timeline: 2003-2006

Objective Update: Limited progress

Objective SL 2.2 Website Technology will be used to enhance teacher-parent communication.

Weakness addressed: The district needs to develop an interactive website.

Progress expected: A district website will be established and maintained.

Progress measured: Website online

Timeline: 2003-2004

Objective Update: Website online

Objectives related to Teacher Preparation and Delivery of Instruction

Objective TP 2.1 Management software will be used to monitor instructional strategies.

Weakness addressed: An integrated gradebook/curriculum program is needed.

Progress Expected: Software will be installed and staff trained in its use. Curriculum director and principals will use data to report on instructional progress.

Progress measured: Installation, use and report by administration.

Timeline: 2003-2004

Objective Update: Due to limited budgets, some systems have been looked at but not purchased

Objectives related to Administration/Data Management/Communication Process

Objective ADM 2.1 The district will utilize technology tools to collect a variety of student performance data and to complete curriculum development and mapping.

Weakness Addressed: Surveys and committee input indicate that the district needs to make several improvements including extension of electronic mail service to all classrooms; adoption of a system-wide gradebook program; development and maintenance of an expanded district website and installation of a networked or on-line curriculum system.

Progress Expected: Gradebook and curriculum programs will be installed and staff will be trained in their use. Administrators will use data to track student performance.

Progress measured: Installation completed and training conducted. Administrators using data to prepare reports on student progress.

Timeline: 2003-2005

Objective Update: E-mail has been implemented, website online, but no gradebook/curriculum software has been implemented

Objective ADM 2.2 The district will utilize technology to communicate with and seek

input from district patrons and to communicate internally among all staff.

Weakness Addressed: The district needs to develop an interactive website.

Progress Expected: A district website will be established and maintained and needs to make several improvements including the extension of electronic mail to all classrooms.

Progress measured: Website online. E-mail system installed.

Timeline: 2003-2004

Objective Update: Website Online, E-mail system in place

Objective ADM 2.3 The district will maintain and upgrade as needed, its current network infrastructure including internet filtering and firewall and virus protection.

Weakness Addressed: none

Progress Expected: Network maintained at level needed to deliver secure services to students and staff.

Progress measured: Staff and student surveys.

Timeline: 2003-2006

Objective Update: Network being maintained at or above levels needed.

Objectives related to Resource Distribution and Use

Objective RD 2.1 The district will provide each teacher and administrator with access to technology which will assist the teacher in curriculum development, grade reporting, and communication with parents, students, and other staff.

Weakness Addressed: Several classroom computers are quite old and/or inadequate for some staff. Analysis of the Census of Technology would indicate shortages of the following technology equipment: digital cameras, LCD projectors, *Smartboard* devices, and scanners.

Progress Expected: Classroom computers for staff use will be adequate to enable staff to utilize new management software. District inventory of devices such as digital cameras, LCD projectors, and scanners will increase.

Progress measured: All staff classroom computers will be of at least Pentium III, 600 MHz design with adequate memory resources. Inventory of digital camera, LCD projectors, and scanners will increase. Staff surveys.

Timeline: 2003-2006

Objective Update: Classroom computers have replaced in all Elementary and most Middle School rooms. 2 new LCD Projectors have been placed in the library circulation this year.

Objectives related to Technical Support

Objective TS 2.1 The district will maintain and support all technology with adequate financial resources, technical assistance, and training.

Weakness Addressed: Time for continued training will become a critical need. Too much access to technology is lost due to time needed to make repairs.

Progress Expected: The district will maintain or improve its present level of financial support. A part-time technology resource person will be employed.

Progress measured: Review of annual budgets.

Timeline: 2003-2006

Objective Update: A full time Technology Coordinator has been put on staff

Diamond R-IV 2006-2009 Technology Goals

Technology Focus Area: Student Learning

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 technologically literate by eighth grade and 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.

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.).

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.

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

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

Objective 3: 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 environments.

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.

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

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.

Objective 1: Increase technical support to meet state standard of one technical support staff member per 300 computers.

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 technology benchmark assessments.	2006-Ongoing	Curriculum Principal Librarian Teacher Curriculum Director Curriculum Committees	Annual with curriculum review	No additional cost	District Budget	Goal Grade level benchmarks have been developed and implemented	Librarian Observe Students master grade 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	\$45,000	District Budget	Hire library aides to release librarians for teaching, collaborating, and light tech support. Teachers and librarians are developing student research and	Librarian Observation Student portfolios will reflect the use of technology; MAP scores increase due to learning the process of research and writing.
3. Explore and write grants to include new technologies that will benefit student achievement, especially MAP reading and writing scores.	2006-Ongoing	Teachers Director of Curriculum	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 portfolios will reflect increase use of technology, MAP scores will increase.
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-line	Responsible Person	Review Dates	Est. Cost	Funding Source	Progress Expected	Progress Measured
1. Implement grade appropriate literacy program.	2006-Ongoing	Principal Librarian Teacher	Annual with curriculum		District Budget Investigate grant sources	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.							

Goal 1; Objective 3: Students will receive career preparation using various technologies through a vocational curriculum and/or vocational training.							
Action Step/Activity	Time-line	Responsible Person	Review Dates	Est. Cost	Funding Source	Progress Expected	Progress Measured
1. Students will receive career orientation or vocational training from 8-12 grades.	2006-Ongoing	Vocational Director Vocational Teachers Middle School Teachers Counselors High School Principals	Annual with curriculum review	No additional cost	District Budget	Career class is offered to all eighth graders; Vocational training is an option to all high school students	Career portfolios are on file for the 8-12 student
2. A vocational curriculum is written	2006-Ongoing	Vocational Teachers	Annual with curriculum	No additional	District Budget	A vocational curriculum is board	Students are graduating and

to meet vocational and MSIP guidelines.		Middle School Teachers Counselors High School Principals	review	cost		approved and in place.	attending vocational schools or are productive in the workforce
Benchmark: All eighth grade students will prepare a career portfolio.							
<u>Correction Strategies: The high school counseling department will implement student remediation and intervention strategies for career development.</u>							

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: 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	Time-line	Responsible Person	Review Dates	Est. Cost	Funding Source	Progress Expected	Progress Measured
1. Provide professional development for teachers to learn how to develop student projects that address all student learning styles and abilities.	2006-ongoing	Superintendent Asst. Superintendent Technology Director		Undetermined amount	Title IID District	Teachers increase use of technology and developing technology projects for all students	Increase in MAP scores, District technology surveys, PD surveys.
2. The district will monitor the technology curriculum ensuring	2006-ongoing	Curriculum Dir. Principals Teachers Librarians	Annual with curriculum	No Additional funding	District funds	Improved use of technology by students, Teachers assessing	Increase in MAP scores, District technology surveys. Local

						student	benchmark
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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.

Objectives and Action Plans:

Goal 3; Objective1: Implement a School Information Systems (SIS) for parents/guardians and employees to access student information.							
Action Step/Activity	Time-Line	Responsible Person	Review Dates	Est. Cost	Funding Source	Progress Expected	Progress Measured
1. Begin training employs on SIS features through the Technology Information	2006-2008	Technology Coordinator	Annual	No Extra cost, contract time	District	Increase use of SIS to manage student by teachers and parents	Employee and Parent Surveys
2. Provide parents/guardians with direct access to their child's data.	2006-ongoing	Technology Staff Teachers Counselors	Annual	No Extra cost, contract time	District	Allow parents/guardians to monitor their child's information and progress through the school web site	Parent/Teacher Conferences; Parent and Teacher Surveys
3. Increase access to student test and assessment data	2006-ongoing	Technology Staff Counselors	Annual	No Extra cost, contract time	District	Organize and maintain student test results	Counselor will evaluate student for placement and monitor progress
Benchmarks: All district employees are using SIS to manage student records.							
Correction Strategies: Provide funding to install or upgrade SIS. Provide training on SIS for district employees.							

Goal 3; Objective 2: The district will have systematic procedures in place to review and revise the written curriculum.							
Action Step/Activity	Time-line	Responsible Person	Review Dates	Est. Cost	Funding Source	Progress Expected	Progress measured
1. Purchase grade level software to evaluate strengths and weaknesses of all district curricula	2006-2008	District Curriculum Coordinator Principals	Annual	Offer stipend to no cost	Title IID	District has purchased and teachers are entering test objectives into curriculum software.	Employee and Parent Surveys
2. Provide teacher training on how to use, read, evaluate, and apply results from curriculum	2006-2009	PD Committee Principals	Annual	No extra cost, contract time	District	Training conducted through PD	Parent/Teacher Conferences; Parent and Teacher Surveys
3. Increase access to student test and assessment data.	2006-2009	Technology Staff Principal Teachers	Annual	No extra cost, contract time	Districtg	Organize and maintain student test results. Allow parents/guardians to monitor their child's information and progress	Counselor will evaluate student for placement and monitor progress. Parent surveys will indicate parental/guardian accessing student data.
Benchmarks: All teachers are entering test objectives into curriculum analyzing software.							
Correction Strategies: District will designate a mentor to grade level teachers, subject areas, and or individual teacher(s) (whose test don't meet curriculum objectives) for guidance in developing tests to meet curriculum objectives.							

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.

Objectives and Action Plans:

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	Time-line	Responsible Person	Review Dates	Est. Cost	Funding Source	Progress Expected	Progress Measured
1. Increase computers and new technologies to student enrollment and courses using technology	2006-ongoing	Superintendent Technology Staff Teachers Building Principals	Annual	\$50,000	District, Title IID & other approved grants	Monitor class sizes and lab schedules to determine needs; additional classes may require more technology	Student portfolios will reflect increase use of technology and an increase in MAP scores
2. A five year district computer rotation replacement plan is in place	2006-ongoing	Technology Staff Building Principals	Annual	\$70,000	District, Title IID & other approved grants	Old computers will be rotated out of use and/or used for word processing	Student learning will continue in a timely manner and employees will continue to work efficiently.
3. Protect district servers from viruses and Spam with appropriate firewall/Spam filtering programs	2006-ongoing	Technology Staff Superintendent	Annual	\$7,000	District	Firewall/Spam programs will decrease server traffic and filter viruses	According to MoreNet and district filtering Software/Reports viruses and spamming has decreased
4. Will continually upgrade server software, protocols, hardware to meet federal and state guidelines	2006-ongoing	Technology Staff	Annual	Future Costs not available at this time	E-rate District Available Grants	Maintain and add new technologies	Software/equipment is installed
Benchmark:							
Census of Technology reflects a ration of two computers to one student							
Census of Technology shows a computer rotation is on schedule, software is installed and meets state and federal guidelines.							

Correction Strategies:

Review state and federal government guidelines.

Increase technology funding and/or explore grant possibilities to meet goal objectives.

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

Action Step/Activity	Time-line	Responsible Person	Review Dates	Est. Cost	Funding Source	Progress Expected	Progress Measured
1. Develop professional development information	2006-ongoing	Technology Staff	Annual	No extra cost, contract time	District	Teachers can access online links to help develop student technology projects.	Student portfolios will reflect increase use of technology.
2. Develop the web site to be used by parents and students as a communications tool between the school and home.	2006-ongoing	Technology Staff Building Principals Teachers	Annual	No Extra Cost, Contract time	District	Students use an aide for homework assignments. Parents monitor student achievement.	Students and Parents can efficiently information necessary to complete assignments or monitor achievement.
Benchmark:							
Web site provides tutorials to assist employees, teachers, and students within their work environment.							
Web site provides parents access to student information.							
Correction Strategies:							
Provide training to technology staff for web development.							

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

Objectives and Action Plans:

Goal 5, Objective 1; Increase technical support to meet state standard of one technical support staff member per 300 computers.							
Action Step/Activity	Time-line	Responsible Person	Review Dates	Est. Cost	Funding Source	Progress Expected	Progress Measured
1. Add additional district technical support	2006-ongoing	Superintendent School Board	Annual	Additional Salaries and benefits per technician	District	Technology staff will meet state ration of one support staff to 300 computers	80% of technical problems are fixed within 24 working hours.
2. Train librarians to be building technology support or troubleshooters	2006-ongoing	Technology Staff	Annual	No Extra Cost,	District	Minor technology problems can relieve computer technicians work load.	Fewer work orders for minor technology problems.
3. Train students to perform basic computer maintenance	2006-ongoing	Technology Staff	Annual	No extra cost	District		
Benchmarks:							
Increase technical support to meet state standard of 1 support staff to 300 computers							
Correction Strategies:							
Review District budget for funding to increase funding to meet state standard.							

Goal 5, Objective 2; Increase technology support to assist teachers integrating technology within the curriculum.							
Action Step/Activity	Time-line	Responsible Person	Review Dates	Est. Cost	Funding Source	Progress Expected	Progress Measured
1. Create instructional technology position	2006-ongoing	Superintendent School Board	Annual	Salary Negotiable	District	Technology Committee develops job description.	FTE per every 150 teachers is hired
Benchmarks: Increase technology staff to include instructional positions to meet state standard or 1 FTE per 150 teachers							
Correction Strategies: Review District budget for funding to create position.							

Dissemination

The Diamond R-IV School District Technology Plan will be disseminated by:

All members of the Diamond R-IV School Board will receive a copy.

A copy of the plan will be available at all buildings in the district and all staff will be notified of its location.

A copy of the plan will be on the district web site.

A copy will be available at the superintendent's office for anyone requesting a copy.

Monitoring

The Diamond R-IV School District's Technology Department will provide information throughout the year to the technology committee, administration, staff, and school board. The technology committee will meet at least once a year to monitor the progress in achieving the goals of the technology plan. Technology newsletters will provide information on new equipment, software, and policy changes. Administrators will be updated at the bi-monthly Administrative Council meetings. Monthly reports are prepared for the school board and information is included in those reports concerning the district progress in technology.

Evaluation

Evaluation of the technology plan will be a continuous process for the Diamond R-IV School District. The technology committee will meet a minimum of once a year to review and evaluate the progress obtained in meeting the goals and objectives of the district plan. Progress will be monitored and any necessary changes or adjustments will take place at that time. Raw data will be collected and analyzed using the same methods used to establish the goals. During the Technology Department annual program report to the school board an evaluation will be given on the progress made regarding technology.