



KLAMATH FALLS CITY SCHOOLS

Dedicated to students, families, and community working together to realize individual dignity and potential

Technology Plan

2009-2012

Integrating Technology into Instructional & Professional Practice for Enhanced Student Learning

Cecelia Amuchastegui, Superintendent
Revised March 5, 2009

**Klamath Falls City School District
Technology Plan
2009-2012**

Mission Statement:

Dedicated to students, families, and community working together to realize individual dignity and potential.

Alignment with the Continuous Improvement Plan (CIP):

Klamath Falls City Schools has a history of continuous professional learning and a commitment to ongoing improvement. The Superintendent and Board support and encourage innovation and are willing to allocate resources to make needed changes. This has included allocating each school with certified media/technology teachers and providing a part time technology coach for the District. The professional development provided to Klamath Falls City Schools' staff is based upon their identified needs, student achievement data, and research-based strategies proven to be successful. Weekly professional development sessions are provided to allow staff an opportunity to experience ongoing and job embedded training that is aligned to both school and District improvement plans. Integrating technology into instruction is a key priority in the District CIP plan that includes providing support and training for a cadre of teachers trained to be technology leaders at each school site. Specific goals for improved student performance in reading and writing is noted in the CIP plan with strategies outlined in the CIP action plan for using technology to improve instruction in this essential skill.

Sections/Pages in Continuous Improvement Plan related to Technology:	
Review of Previous CIP Plan	Page 28
Review of the Oregon Performance Standards and Standards for District Success	Page 43, 44, and 45
Academic Achievement Action Plan	Page 62

District Technology Teams

Technology Cadre: Tech Cadre was formed in the fall of 2006, and is made up of teachers and Media Specialists from each of our elementary, junior and senior high schools. The purpose of this team is to connect the classroom to resources and training at the district level. The role of team members is to learn new technologies as they relate to the NETS and to bring what they learn back to their schools. Team members receive hardware to share with colleagues as part of their participation. In return, they are required to lead Professional Development at their schools.

District Technology Team: The District Technology Team is made up of Media Specialists, IMTC Staff Representatives, Curriculum & Instruction Director, Instructional Coach, and key technology-using teachers. The purpose of the Tech Team is to review and revise the technology plan, use assessment data to direct District resources, keep up on current research, and coordinate with state technology personnel to meet standards.

Instructional Media and Technology Center (IMTC): IMTC staff includes the Director of Technology, Database Manager, Purchasing Agent and three Support Technicians. IMTC provides end user support for all networked devices, including computers, laptops, printers, servers, presentation systems, VoIP phones, PDA's, cell phones, etc. Support includes hardware and software.

Technology Plan: This plan was created through collaboration with classified and certified staff, administration, and the Technology Team. It has been regularly reviewed and updated. The Purpose of Klamath City School District Technology Plan is to guide future planning and purchases of technology, to promote technology curriculum and staff development to improve student learning, and to ensure Klamath City School District is in compliance with state and federal technology guidelines.

Oregon Performance Standards

The Klamath Falls City Schools technology plan supports the Oregon Education Performance Standard, “All students will have access to and develop proficiency in utilizing technology to improve their academic achievement.” Our CIP and Technology Plans identify the use of technology to improve student academic achievement, assist every student in becoming technologically literate, and integrate technology into classroom instruction through high quality professional development.

Standards for District Success:

The Technology and District CIP plans are aligned to the Oregon Standards for District Success. The specific standards and indicators addressed in our plan are listed below:

STANDARDS AND INDICATORS OF DISTRICT SUCCESS	
	Indicators targeted in this KFCS Technology Plan
Standard 1: Curriculum	1.4 Educational programs and options are coordinated 1.7 Multiple and diverse learning opportunities and pathways available to all students 1.9 Curriculum provides opportunities for career related learning experiences in the community, workplace, and/or school. 1.10 Students have access to career learning frameworks and technical skills sets for their education planning
Standard 2: Instruction	2.4 Teachers incorporate technology into classrooms 2.6 Multiple reliable assessments provide feedback on learning and identify achievement gaps. 2.8 Teachers demonstrate content knowledge and mastery of diverse pedagogical methods. 2.12 Intentional professional development strategy 2.13 Professional development data-driven, ongoing, job-embedded, and research-based
Standard 3: District and School Culture and Norms	3.1 High expectations for all students evident in beliefs, practices, and policies 3.2 Commitment to ensuring successful student transitions 3.8 Culture of continuous professional learning 3.9 Culture of collective professional accountability.
Standard 4: Family and Community Engagement	4.2 Effective communication strategies 4.4 Authentic relationships with communities, businesses, and higher education 4.5 Community resources strengthen, schools, families, and student learnings
Standard 5: Leadership	5.2 Leaders develop and implement a shared vision 5.3 Leaders foster shared beliefs and a sense of shared leadership and decision-making, community and cooperation 5.8 Leaders provide resources, monitor progress, and remove barriers. 5.9 Leadership provides professional development resources and support
Standard 6: Integrated Systems and Structures	6.3 Improvement planning is data-driven and research-based 6.9 Student performance goals drive staffing and recruitment decisions. 6.11 Funds allocated based on CIP goals

New Oregon Educational Technology Standards

The Klamath Falls City Schools Technology plan is aligned to the new Oregon Educational Technology Standards. We are committed to our students meeting each of the standards as listed below:

Oregon Educational Technology Standards	
Standard 1: Creativity and Innovation	Students demonstrate creative thinking and problem solving skills to develop innovative products and processes using (digital) technology. Students: <ul style="list-style-type: none"> A. Apply existing knowledge to forecast possibilities and generate new ideas, products or processes. B. Create original works as a means of personal or group expression. C. Develop or apply models and simulations to explore complex systems, issues and trends.
Standard 2: Communication and Collaboration	Students use digital media and environments to communicate and work collaboratively, across the global community, to support individual learning and contribute to the learning of others. Students: <ul style="list-style-type: none"> A. Interact and collaborate with peers, experts, or others employing a variety of digital environments and media. B. Effectively communicate and publish to multiple audiences using a variety of media and formats. C. Engage with learners from other cultures to develop cultural understanding and global awareness. D. Contribute to project teams. Produce original works or solve problems in a team setting.
Standard 3: Research and Information Fluency	Students select and apply digital tools to gather, evaluate, validate, and use information. Students: <ul style="list-style-type: none"> A. Plan strategies to guide inquiry. B. Locate, organize and use information ethically from a variety of sources and media. C. Evaluate and select information sources and digital tools based on the appropriateness to specific tasks. D. Analyze, evaluate, and summarize information or data and report results.
Standard 4: Critical Thinking, Problem Solving and Decision Making	Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. Students: <ul style="list-style-type: none"> A. Identify and define authentic problems and significant questions for investigation. B. Plan and manage activities to develop a solution or complete a project. C. Collect and analyze data to identify solutions and or make informed decisions. D. Use multiple processes and diverse perspectives to explore alternative solutions.
Standard 5: Digital Citizenship	Students understand human, cultural, and societal issues related to digital technology and practice legal, ethical, and responsible behavior. Students: <ul style="list-style-type: none"> A. Advocate and practice safe, legal, and responsible use of information and digital technology. B. Model and practice a positive attitude toward using digital technology that supports collaboration, learning, and productivity. C. Demonstrate personal responsibility for lifelong learning.
Standard 6: Technology Operations and Concepts	Students utilize technology concepts and tools to learn. Students: <ul style="list-style-type: none"> A. Select, use, and troubleshoot tools efficiently. B. Transfer current knowledge to learning of new technologies.

Diploma Requirements

The Klamath Falls City Schools Technology plan is aligned to the new Oregon Diploma Essential Skills requirements. We are committed to our students meeting each of the essential skills and believe that technology is the key to our students achieving these outcomes:

Oregon Diploma: Essential Skills	
1. Read and comprehend a variety of text	<p><i>This skill includes all of the following:</i></p> <ul style="list-style-type: none">a) Demonstrate the ability to read and understand text.b) Summarize and critically analyze key points of text, events, issues, phenomena or problems, distinguishing factual from non-factual and literal from inferential elements.c) Interpret significant ideas and themes, including those conveyed through figurative language and use of symbols.d) Follow instructions from informational or technical text to perform a task, answer questions, and solve problems.
2. Write clearly and accurately	<p><i>This skill includes all of the following</i></p> <ul style="list-style-type: none">a) Adapt writing to different audiences, purposes, and contexts in a variety of formats and media, using appropriate technology.b) Develop organized, well-reasoned, supported, and focused communications.c) Write to explain, summarize, inform, and persuade, including business, professional, technical, and personal communications.d) Use appropriate conventions to write clearly and coherently, including correct use of grammar, punctuation, capitalization, spelling, sentence construction, and formatting.
3. Listen actively and speak clearly and coherently	<p><i>This skill includes all of the following:</i></p> <ul style="list-style-type: none">a) Listen actively to understand verbal and non-verbal communication.b) Give and follow spoken instructions to perform a task, ask and answer questions, and solve problems.c) Present or discuss ideas clearly, effectively, and coherently, using both verbal and nonverbal techniques.d) Use language appropriate to particular audiences and contexts.

4. Apply mathematics in a variety of settings	<p><i>This skill includes all of the following:</i> Interpret a situation and apply workable mathematical concepts and strategies, using appropriate technologies where applicable.</p> <ul style="list-style-type: none"> a) Produce evidence, such as graphs, data, or mathematical models, to obtain and verify a solution. b) Communicate and defend the verified process and solution, using pictures, symbols, models, narrative or other methods.
5. Think critically and analytically	<p><i>This skill includes all of the following:</i></p> <ul style="list-style-type: none"> a) Identify and explain the key elements of a complex event, text*, issue, problem or phenomenon. b) Develop a method to explore the relationships between the key elements of a complex event, text*, issue, problem or phenomenon. c) Gather, question and evaluate the quality of information from multiple primary and secondary sources. d) Propose defensible conclusions that address multiple and diverse perspectives. e) Evaluate the strength of conclusions, differentiating reasoning based on facts from reasoning based on opinions. <p>*text includes but is not limited to all forms of written material, communications, media, and other representations in words, numbers, and graphics and visual displays using traditional and technological formats</p>
6. Use technology to learn, live, and work	<p><i>This skill includes all of the following:</i></p> <ul style="list-style-type: none"> a) Use creativity and innovation to generate ideas, products, or processes using current technology. b) Use technology to participate in a broader community through networking, collaboration and learning. c) Recognize and practice legal and responsible behavior in the use and access of information and technology. d) Use technology as a tool to access, research, manage, integrate, and communicate ideas and information.
7. Demonstrate civic and community engagement	<p><i>This skill includes all of the following:</i></p> <ul style="list-style-type: none"> a) Apply knowledge of local, state, and U.S. history and government to explain current social and political issues. b) Perform the civic and community responsibilities essential to living in a representative democracy.

8. Demonstrate global literacy	<p><i>This skill includes all of the following:</i></p> <ul style="list-style-type: none"> a) Demonstrate knowledge of diverse cultural, linguistic, and artistic expressions. b) Apply a global perspective to analyze contemporary and historical issues.
9. Demonstrate personal management and teamwork skills	<p><i>This skill includes all of the following:</i></p> <ul style="list-style-type: none"> a) Participate cooperatively and productively in work teams to identify and solve problems. b) Display initiative and demonstrate respect for other team members to complete tasks. c) Plan, organize, and complete assigned tasks accurately and on time. <p>Exhibit work ethic and performance, including the ability to be responsible and dependable.</p>

E-Rate Criteria

The Klamath Falls City Schools Technology plan meets the e-rate criteria by including specific goals and realistic strategies for using telecommunications and information technology, having a comprehensive professional development component, an assessment of telecommunication services, hardware, software, and other services needed, a listing of the budget resources needed, and an ongoing evaluation process.

Klamath Falls City Schools Technology Goals:

GOAL #1 : ACADEMIC ACHIEVEMENT: All students will have access to and develop proficiency in utilizing technology to improve their academic achievement in reading and writing.

GOAL #2: PROFESSIONAL DEVELOPMENT: All staff will have ongoing, sustained Professional Development in the use and integration of relevant technologies into their professional and classroom settings

GOAL #3: COMMUNICATION & COLLABORATION: Communication and collaboration will increase among professional educators, community members, parents, and students to encourage the exchange of ideas, the creation of relevant projects, and the ability to find solutions to real-world problems.

GOAL #4: INFRASTRUCTURE: KFCS will provide the technological infrastructure needed to support student achievement, professional development, communication and collaboration as outlined in the previous goals.

GOAL #5 : ASSESSMENT & EVALUATION: The KFCS Technology Plan will be evaluated regularly as to its effectiveness in improving student academic achievement, to increasing staff and student use of established and innovative technologies, and to maintaining realistic and balanced allocation of resources

GOAL #1 : ACADEMIC ACHIEVEMENT: All students will have access to and develop proficiency in utilizing technology to improve their academic achievement in reading and writing.

SMART GOAL: By June 2012, KFCS will improve the Reading and Writing performance of ALL students by 5% per year as measured by the Oregon State Assessments at the required grade levels.

SELF EVALUATION: STRENGTHS/PROBLEMS

- The emphasis of both our Continuous Improvement and our Technology Plan will be improving student performance in the area of literacy.
- Upon review of our academic data, we see a particular need for improvement in Reading Informational Texts & Writing.
- Student proficiency in utilizing technology has not been formally assessed to date. Student competency will be assessed using a universal screener such as SimpleK12 Learning Management System (LMS).

Goal #1 Academic Achievement Strategies/Activities <i>What are we going to do?</i>	Evidence of Implementation <i>How will we do it?</i> <i>Activities</i>	Evidence of Progress Assessment <i>How will we know we did it?</i>	Person (s) Responsible	Timeline	Estimated Costs	Fund Source
1.1 Students will use software/hardware effectively in alignment with appropriate grade level expectations.	<p>Scope & Sequence for grade level expectations and student assessment will be updated to reflect new Oregon Education Technology Standards.</p> <p>Update of Scope & Sequence will include review of the Computer/Technology Skills Standard Course of Study from a variety of districts and states.</p> <p>Assessment of Tech Skills will be done using SimpleK12 Learning Management System (LMS) or similar tool.</p> <p>Students lacking technology skills will be provided instruction at the appropriate level.</p>	<p>Updated Scope & Sequence reflecting Oregon Educational Technology Standards</p> <p>Completed Technology Skills Assessment (LMS)</p> <p>Completed plan for teaching and practicing grade level requirements</p> <p>Student improvements in technology competencies</p>	<p>Media/Technology Specialists</p> <p>Technology TOSA</p> <p>Technology Cadre</p>	<p>Scope & Sequenced updated by November 2009</p> <p>Initial Assessment Completed by December 2009</p> <p>Annually administered</p>	<p>\$ 1000. Supplies/ license</p> <p>\$1000/ Professional Development Subs</p> <p>Instructional costs are included in Media/ Technology Staff Budget</p>	<p>General</p>

GOAL #1: ACADEMIC ACHIEVEMENT: All students will have access to and develop proficiency in utilizing technology to improve their academic achievement in reading and writing.

Goal #1 Academic Achievement Strategies/Activities <i>What are we going to do?</i>	Evidence of Implementation <i>How will we do it?</i> <i>Activities</i>	Evidence of Progress Assessment <i>How will we know we did it?</i>	Person (s) Responsible	Timeline	Estimated Costs	Fund Source
1.2 Students will select technology tools appropriate to the task based upon skills identified in the scope and sequence developed in 1.1.	Teachers will develop grade level projects that provide a variety of technological tools from which students can choose.	Teachers will assess project on both content and appropriate use of technology.	Classroom Teacher Media/Technology Specialists Tech Cadre Members Technology TOSA	Minimum of one project required per semester	Staff planning time to work in PLCs to develop projects	General
1.3 Students will use a variety of sources to locate and critically evaluate information.	Students will complete a research project using and evaluating a variety of electronic sources beginning in grade 5, culminating with the Senior Project.	Classroom Performance Senior Project Boards	Classroom Teacher Media Specialists	Minimum of one project per year	No Additional Cost	N/A
1.4 Students will read, understand, summarize, and interpret written information in order to perform a task, answer questions, or solve problems using technology.	Students will use the technological tools provided in the core curriculum as well as use a variety of software, interactive web-sites, and digital/game-based learning to improve reading skills.	Classroom Performance Formative Assessments Summative Assessments Improved scores in reading and content areas.	Classroom Teachers Media Specialists Technology TOSA	Ongoing	None	N/A
1.5 Students will use a variety of formats and tools to develop well-organized, coherent written work.	Students will be required to produce more written work across all content areas. This will include using technological tools provided in the core curriculum, Word, Publisher, PowerPoint, blogs, Wiki's, World Book Online, etc.	Improved portfolio and state writing assessment scores. Improved classroom performance	Classroom Teachers Media Specialists Technology TOSA	Ongoing	None	N/A

GOAL #1: ACADEMIC ACHIEVEMENT: All students will have access to and develop proficiency in utilizing technology to improve their academic achievement in reading and writing.

Goal #1 Academic Achievement Strategies/Activities <i>What are we going to do?</i>	Evidence of Implementation <i>How will we do it?</i> <i>Activities</i>	Evidence of Progress Assessment <i>How will we know we did it?</i>	Person (s) Responsible	Timeline	Estimated Costs	Fund Source
<p>1.6 To ensure access to needed technologies by students and staff, strategies for finding additional funding will be explored.</p> <p>Task Force Goal will be that by 2012, all classrooms will be equipped with basic tools necessary for innovative teaching and learning:</p> <ol style="list-style-type: none"> 1. computer 2. mounted projector 3. document camera 4. SmartBoard 	<p>A task force will be formed with the goal of finding additional sources of funding.</p> <p>This Task Force will explore grant opportunities, partnerships with community businesses, and other means of raising awareness of District Technological needs.</p>	<p>Task Force Creation</p> <p>Community Partnerships</p> <p>Increased hardware, software, digital services, and other technologies.</p>	<p>Task Force</p> <p>Community Members</p> <p>Tech TOSA</p>	<p>Task Force formed by June 2009</p> <p>Plan developed by November 2009</p>	<p>In-kind with staff paid from current fund sources</p> <p>\$1,000/classroom mounted projection system</p> <p>\$1500/classroom Smart Board</p> <p>\$600/classroom for Document Cameras</p>	<p>General Fund</p> <p>Community Partnerships</p> <p>Grants</p>

GOAL #1: ACADEMIC ACHIEVEMENT: All students will have access to and develop proficiency in utilizing technology to improve their academic achievement in reading and writing.

GOAL #2 : PROFESSIONAL DEVELOPMENT: All staff will have ongoing, sustained Professional Development in the use and integration of relevant technologies into their professional and classroom settings

SMART GOAL: By June 2012, all staff members will increase their use of technology by 10% as measured by pre- and post-year surveys and skills assessment

SELF EVALUATION: strengths/problems

- The District has provided a .3 FTE Technology TOSA which has increased staff (and student) use of technology over the past year.
- The District has also provided 4.5 FTE Instructional Coaching staff serving as Teachers On Special Assignment (TOSA) to provide ongoing, sustained professional development to staff in the areas of data analysis, instructional strategies, differentiating instruction to meet the needs of all students and closing the achievement gap. The District Instructional Coach is a liaison to the District Technology Cadre, coordinating with Southern Oregon ESD and State EdTech Cadres. The Tech Cadre has been provided with a laptop, projector and training in data access and manipulation, presentation skills, and strategies to mentor staff, all of which involve the use of technology.
- A Tech Cadre from all eight schools in the District totaling 18 teachers has been in operation for three years. Staff rotates in for two-year terms and receives additional equipment and training in technology integration in exchange for their participation. Tech Cadre is co-led by the Technology TOSA and the District Instructional Coach, who serve as part of the State EdTech Cadre. We see increased technology integration in content areas across the District as a result of the direct, on-site expertise of Cadre members.
- The ability level of District teachers varies greatly. However, surveys indicate high degrees of interest in training in the use of technology.
- As of yet, we have not been able to measure actual technological skill levels of staff in order to determine targeted Professional Development.
- The District will have a 16-unit Laptop Cart, projection system, and printer to use for staff training purchased with Title VI funds. This portable cart unit can be delivered to any site in our District via District Delivery Services.

Goal #2 Professional Development Strategies/Activities <i>What are we going to do?</i>	Evidence of Implementation <i>How will we do it?</i> <i>Activities</i>	Evidence of Progress Assessment <i>How will we know we did it?</i>	Person(s) Responsible	Timeline	Estimated Costs	Fund Source
2.1 Complete survey and initial assessment of staff in technology competency	Update survey and administer to staff to determine technology skills and needed training Administer SimpleK12 Learning Management System (LMS) or comparable assessment to determine baseline skill level of all staff members Schedule regular grade level training during Professional Development	Completed surveys Complete Assessment Scheduled trainings on PD Calendar	Tech Cadre Tech TOSA Media Specialists	Initial Assessment to be administered by November 2009 On-going annually	\$1,000	General Title IID

GOAL #2 PROFESSIONAL DEVELOPMENT: All staff will have ongoing, sustained Professional Development in the use and integration of relevant technologies into their professional and classroom settings.

Goal #2 Professional Development Strategies/Activities <i>What are we going to do?</i>	Evidence of Implementation <i>How will we do it?</i> <i>Activities</i>	Evidence of Progress Assessment <i>How will we know we did it?</i>	Person(s) Responsible	Timeline	Estimated Costs	Fund Source
2.2 Use Tech Cadre members as trainers and support people to expand the integration of technology in their buildings	Wednesdays Provide specific training to Cadre Members and supply them with materials for use with their staff Require Cadre Member to conduct staff trainings as part of Cadre Membership	Signed contract by Cadre Member Evidence of completed staff training	Tech Cadre Tech TOSA	June 2010	\$20,000 Equipment \$20,000 Professional Development Subs/Stipends	General Title IID General
2.3 Classroom instruction in specific skill areas will be offered by Tech Cadre Member to model and teach new tech skills	Teachers will schedule lab times for classroom instruction by tech team member (TOSA or Cadre Member)	Completed Sign-up Sheets for classroom and teacher instructional sessions	Tech TOSA Tech Cadre Member	June 2010	See Above	See Above
2.4 New Staff members will be trained on the use of District Specific systems	Technology Specialists from IMTC will provide training for new teachers on GroupWise, Schoolmaster, saving to and function of various drives, District grade programs, PASS system, etc.	Scheduled Training during In-Service Week	IMTC Staff Tech TOSA	August 2009	Part of regular budget	General
2.5 Teacher Leadership will be provided in the area of technology	Tech TOSA or Cadre member will conduct the following activities: <ul style="list-style-type: none"> • Lead Tech Cadre • Model Teaching with Technology • Coordinate building staff development • Coordinate with Oregon Tech Cadre on local activities • Inform appropriate people of research findings as they pertain to technology abetting student success 	Professional Development Calendars Attendance at SOESD and State Cadre meetings	Tech TOSA Tech Cadre Members	June 2010	\$30,000 Technology TOSA/Instructional Coach	Title IIA Title IID

GOAL #2 PROFESSIONAL DEVELOPMENT: All staff will have ongoing, sustained Professional Development in the use and integration of relevant technologies into their professional and classroom settings.

Goal #2 Professional Development Strategies/Activities <i>What are we going to do?</i>	Evidence of Implementation <i>How will we do it?</i> <i>Activities</i>	Evidence of Progress Assessment <i>How will we know we did it?</i>	Person(s) Responsible	Timeline	Estimated Costs	Fund Source
2.6 Professional Development will target the full use of existing building technologies and newer ones as they are added.	Review of existing building technologies will be done to determine underutilized technologies, to make staff aware of these resources, and to provide professional development where necessary to more fully utilize what we have.	Media Specialists & Cadre member familiar with inventory and location of equipment Agenda item on Fall staff meeting agendas	Media Specialists Tech Cadre Classroom Teachers	Reviews will be done by July 2009 Equipment review Fall, 2009 PD as necessary Fall, 2009	Part of regular personnel budget	General Title IID

GOAL #2 PROFESSIONAL DEVELOPMENT: All staff will have ongoing, sustained Professional Development in the use and integration of relevant technologies into their professional and classroom settings.

GOAL #3: COMMUNICATION & COLLABORATION: Communication and collaboration will increase among professional educators, community members, parents, and students to encourage the exchange of ideas, the creation of relevant projects, and the solution of real-world problems.

SMART GOAL: During the 2009-2010 school year, KFCS will develop a plan to create a more global community where educators, students and community members collaborate on projects that increase the learning of all participants.

SELF EVALUATION: STRENGTHS/PROBLEMS

- A system has been established to teach digital citizenship through responsible Internet use. Student, parents, and staff are trained and held accountable on appropriate use through signed Internet Use Agreements. Our system is open and only restricted where absolutely necessary. In addition, shared directories have been created for both student and teacher collaboration. Student e-mail accounts have been created for grades 7-12. We encourage the use of on-line interactive tools and resources.
- There is a growing interest in creating community partnerships, involving parents in our schools, and expanding our learning base.
- An increasing number of teachers are using shared directories to share information with colleagues, using e-mail to communicate with parents and staff, and using websites to post student work.
- KFCS has worked diligently to keep the community informed through the District Website and Staff e-mail. Many teachers have established their own websites linked to the District site.
- Parents can view student progress, grades and attendance through an on-line system with individual pin numbers (PASS). Teachers are required to update data on a regular basis.

Goal #3 Communication & Collaboration Strategies/Activities <i>What are we going to do?</i>	Evidence of Implementation <i>How will we do it?</i> <i>Activities</i>	Evidence of Impact Evidence of Progress Assessment <i>How will we know we did it?.</i>	Person(s) Responsible	Timeline	Estimated Costs	Fund Source
3.1 IMTC will continue to promote the upkeep of our vibrant District Website that keeps our community and parents informed, provides resources and links to staff and other educators, and facilitates communication through the use of both staff and student e-mail accounts.	Teachers and administrators will contribute items to be added to or updated on the website Tech Cadre members will provide assistance to those needing help	Website will be available for perusal and review	IMTC staff Secretarial Staff Classroom Teachers Administrators Tech Cadre Tech TOSA	On-going	\$100,000 for salaries \$5,500 Student e-mail accounts	General Fund E-Rate
3.2 KFCS will solicit financial and other support from our local community in creating partnerships dedicated to	Task Force will develop a plan for increasing community participation in * funding for innovative and	Creation of a Task Force Meeting Schedule	Task Force made up of Core Tech Team, Tech Cadre Members, and Tech Coach	July 1, 2009	In-kind staff salaries	General

GOAL #3: COMMUNICATION & COLLABORATION: Communication and collaboration will increase among professional educators, community members, parents, and students to encourage the exchange of ideas, the creation of relevant projects, and the solution of real-world problems.

Goal #3 Communication & Collaboration Strategies/Activities <i>What are we going to do?</i>	Evidence of Implementation <i>How will we do it?</i> <i>Activities</i>	Evidence of Impact Evidence of Progress Assessment <i>How will we know we did it?.</i>	Person(s) Responsible	Timeline	Estimated Costs	Fund Source
preparing our students for the future	basic technologies * providing manpower to help set up new technologies * Provide opportunities for students to partner with local businesses to increase awareness of technology use in the workplace	Enactment of a community involvement plan				
3.3 KFCS will enlarge our school community by creating more opportunities for interaction and shared participation with our local, state, national and global communities.	Tech Cadre goals will include strategies to increase the exchange of ideas, use of innovative technologies, and increase of interaction in a wider community	Statement of goals for Tech Cadre List of strategies for increasing participation in an on-line community	Tech Cadre Tech TOSA IMTC Administrators	November, 2009	\$2000	Title IID
3.4 Teachers and students will participate in virtual community projects	Teachers will continue use of IVC systems for meetings and classes Students will have increased access to virtual community projects	Meeting Minutes Completed Classes Completed Projects	IMTC Media Specialists District Office Secretary Teachers Tech TOSA On-site Cadre members	Ongoing	\$16,000 for Equipment Upgrade at two sites	General Fund E-Rate

GOAL #3: COMMUNICATION & COLLABORATION: Communication and collaboration will increase among professional educators, community members, parents, and students to encourage the exchange of ideas, the creation of relevant projects, and the solution of real-world problems.

GOAL #4: INFRASTRUCTURE: KFCS will provide the technology infrastructure needed to support student achievement, professional development, communication and collaboration as outlined in the previous goals.

SMART GOAL: KFCS will increase students, staff, and parent access to technology by providing an additional 10% of internet connected computer workstations by June 2012.

SELF EVALUATION: STRENGTHS/PROBLEMS

- KFCS has a 30 station computer lab in every elementary school, three 30 station labs in the junior high, and five 30 station labs in each high school. By June, 2009, each Title I elementary school will have a 15 – 16 unit portable wireless laptop lab with projection system and printer. We also have two portable 15 unit portable wireless laptop labs currently housed at one high school.
- Every District classroom has a minimum of five hot Ethernet ports.
- One teacher commuter workstations is set up in each classroom. Most classrooms have one to three student workstations and a networked laser printer.
- Current staffing is based on a 444:1 ratio of desktop computers to technicians. Total inventory consists of 1334 computers and 250 networked laser printers. Student to desktop computer ratio is 2.8:1.
- Complete wireless coverage is available for all classrooms in every building using 802.11G.
- KFCS has provided only hub and spoke Ethernet Topology to classrooms, labs, and offices.
- Technology replacement budgets have been limited with significant funding restrictions. Decreased enrollment has resulted in significant budget cuts over time, necessitating need for additional funding sources.

Goal #4 Infrastructure Strategies/Activi ties <i>What are we going to do?</i>	Evidence of Implementation <i>How will we do it? Activities</i>	Evidence of Progress Assessment <i>How will we know we did it?</i>	Person(s) Responsible	Timeline	Estimated Costs	Fund Source
4.1 Improve Telecommunication Services throughout the system.	Local Area Network and Wide Area Network: a. Fiber connections to each building connected at Gigabit speed b. Wireless coverage using 802.11G for each building with sufficient security c. Up-to-date phone systems supported internally d. Business accounting services (LBL)	Evaluation of system completed annually with updated inventory.	Instructional Media and Technology Center Staff	Annual Review completed by July 1 each year.	\$62,000 Fiber Annual Cost Replacement Cost for wireless upgrades unknown Upgrade cost of Business Accounting Services ongoing	General Education Service District E-Rate

GOAL #4: INFRASTRUCTURE: KFCS will provide the technology infrastructure to support student achievement, professional development, communication & Collaboration as outlined in the previous goals.

Goal #4 Infrastructure Strategies/Activities <i>What are we going to do?</i>	Evidence of Implementation <i>How will we do it? Activities</i>	Evidence of Progress Assessment <i>How will we know we did it?</i>	Person(s) Responsible	Timeline	Estimated Costs	Fund Source
	e. Increased Ethernet wiring as network expands Internet Access: a. SOESD expansion of bandwidth according to future demands b. Sufficient security for students and staff c. Remote access to District network for staff file storage, email and grades.				\$2500/year Ethernet Expansion \$15,000 Security	
1. 4.2 Hardware & software purchases will be made to upgrade current systems and to promote integration of technology in the classroom.	Hardware: a. Replacement of all hubs with switches for 100 MB minimum to desktop and gigabit backplane b. Capable backup systems c. Upgrade of Internet Video Conferencing systems d. Heating, Ventilation and Air conditioning where needed End user equipment a. Computer replacement includes 5 year cycle. b. LCD monitors at every workstation by 2012. c. Mounted LCD projection systems for every teacher workstation by 2012. d. Mice, furniture, printers, provided. Software: a. All student and staff computers will	All purchases will be compliant with upgrade standards.	IMTC	Annual Review completed by July 1 each year.	\$120,000 CPU Replacement/year	General Education Service District

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Goal #4 Infrastructure Strategies/Activities <i>What are we going to do?</i>	Evidence of Implementation <i>How will we do it? Activities</i>	Evidence of Progress Assessment <i>How will we know we did it?</i>	Person(s) Responsible	Timeline	Estimated Costs	Fund Source
	have District approved and supported software. b. Common operating systems will be placed on all machines.					
4.3 Technology must be maintained, monitored and upgraded on a regular basis.	Maintenance Procedures: a. Server/Network Maintenance will include user space, backup system, evaluation of bandwidth requirements, network management.. b. System for requesting maintenance will include online, telephone help desk, and interactive remote assistance. c. Support personnel will include staffing based on ratio of number of computers to technicians, adequate response times, database support, network administrator, VoIP telephone system support, student account management, and ESD support.	Review of maintenance data to be completed annually.	Instructional Media and Technology Center Staff	Annual Review completed by June 30 each year.	\$25,000/year	General Education Service District
4.4 Policies and procedures will be updated regularly.	a. Internet Use agreements on file for all students and staff. b. Security policies updated as needed to stay in compliance with state and federal guidelines. c. Technology and curriculum staff will evaluate procedures to ensure open learning while maintaining security.	Evaluation of policies, procedures and tech plan to be completed annually.	Media Specialists Personnel Secretary Director of Personnel	Annual Review completed by July 1 each year.	Costs included in regular salaries	General Education Service District

GOAL #4: INFRASTRUCTURE: KFCS will provide the technology infrastructure to support student achievement, professional development, communication & Collaboration as outlined in the previous goals.

GOAL #5 : ASSESSMENT & EVALUATION: The KFCS Technology Plan will be evaluated regularly as to its effectiveness in improving student academic achievement, to increasing staff and student use of established and innovative technologies, and to maintaining realistic and balanced allocation of resources.

SMART GOAL: By 2010, the District Technology Team will have evaluated the Tech Plan on a yearly basis to assess plan progress and implementation.

SELF EVALUATION: STRENGTHS/PROBLEMS

- The Technology Team considers the Technology Plan to be a dynamic and living document. Thus, they review and revise the Technology Plan on, at least, an annual basis.
- This most recent technology plan reflects significant improvements in terms of reaching out to the community, developing a tool for assessment of technological skills of both students and staff, and alignment to our CIP.
- Although we have become a data driven District, we have not clearly defined the link between the use of technology and student achievement.
- This plan provides more specific guidelines and clearer expectations of staff in terms of required technology use in instruction.
- KFCS has assessed staff and student technology skills based on surveys. After implementation of the SimpleK12 Learning Management System (LMS) assessment, we will have a more reliable means of gathering data of real, rather than perceived, skill levels.

Goal #5 Assessment & Evaluation Strategies/Activities <i>What are we going to do?</i>	Evidence of Implementation <i>How will we do it?</i> <i>Activities</i>	Evidence of Progress Assessment <i>How will we know we did it?</i>	Person (s) Responsible	Timeline	Estimated Costs	Fund Source
5.1 A District Tech Team will determine how to evaluate the relationship between student technology use and academic achievement in reading and writing.	Tech Team will investigate research that supports the use of technology as a means of improving academic performance. Tech Team will develop a means of comparing use of technology with academic achievement	Bank of research documents making the connection between technology use and academic learning An assessment tool that relates achievement to technology	Tech Team Classroom Teacher Students IMTC Media Specialists	June 2010	\$5000/year	General
5.2 Adopt meaningful	IMTC will set up website for	Timeline and system for	Tech Cadre	Website up and	\$0 first year	NA

GOAL #5: ASSESSMENT & EVALUATION: The KFCS Technology Plan will be evaluated regularly as to its effectiveness in improving student academic achievement, to increasing staff and student use of established and innovative technologies, and to maintaining realistic and balanced allocation of resources

Goal #5 Assessment & Evaluation Strategies/Activities <i>What are we going to do?</i>	Evidence of Implementation <i>How will we do it?</i> <i>Activities</i>	Evidence of Progress Assessment <i>How will we know we did it?</i>	Person (s) Responsible	Timeline	Estimated Costs	Fund Source
standards to measure the progress of teachers in student in obtaining the technology skills they need.	student and staff participation in technology skills assessment A schedule will be developed and administered to schools as to how and when we will assess students and staff	administering assessment Schedule for schools Summary of results of SimpleK12 Learning Management System (LMS) or similar measurement	IMTC Tech TOSA	running by end Website set up for 7 th & 8 th March, 2009 7 th & 8 th grades assessed by July, 2009 7 th & 8 th grade assessed by May 2009 Entire District assessed by December, 2009	of use	
5.3 Tech Team will review and modify Tech Plan to ensure for realistic and equitable allocation of resources.	Using academic and SimpleK12 Learning Management System (LMS) assessment data, the tech team will determine to what degree the tech plan is being successful. We will monitor and adjust our actions and plan accordingly.	Updated Technology Plan	Tech Team	Annually	In-Kind	N/A

GOAL #5: ASSESSMENT & EVALUATION: The KFCS Technology Plan will be evaluated regularly as to its effectiveness in improving student academic achievement, to increasing staff and student use of established and innovative technologies, and to maintaining realistic and balanced allocation of resources