

TECHNOLOGY PLAN
QUEMADO ISD #2
QUEMADO-DATIL SCHOOLS

MISSION STATEMENT

To coordinate a variety of technologies that enhance curriculum and prepare students to function in an increasingly complex society

VISION STATEMENT

As we move into the 21st Century, students at Independent School District #2 shall have access to, develop knowledge of and proficiency in life and employment related technologies

Technology Plan

Quemado ISD #2

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Teaching, Learning and Caring

Technology Plan for QUEMADO INDEPENDENT SCHOOL DISTRICT #2

PLAN TERM: Begins: July 1, 2008 Ends: June 30, 2011

The submitting district/charter (check all that apply)

- is compliant with the provisions of the Children’s Internet Protection Act (CIPA).
- will be CIPA compliant by <insert date> Keep in mind that your district is not eligible for funding if they are not CIPA Compliant
- will apply for Erate discounts for the current fiscal Year

The DISTRICT/Charter’s comprehensive technology plan must be approved by the local school board prior to submission to the Public Education Department.

Date the plan was approved by the local School Board: May 19, 2008

**Please attach Board meeting minutes*

Approved by:

Signature of Superintendent or Authorized School Official Date of
Signature

Printed Name and Title:

Bill Green

Superintendent

District Technology Coordinator/Contact

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VISION AND MISSION STATEMENTS

Vision Statement

As we move into the 21st Century, students at Independent School District #2 shall have access to, develop knowledge of and proficiency in life and employment related technologies.

Mission Statement

To coordinate a variety of technologies that enhance curriculum and prepare students to function in an increasingly complex society.

TECHNOLOGY COMMITTEE

The Technology Committee should represent all stakeholders. Development of the technology plan and implementation of the plan should enable parents, educators, students and community members to benefit from the investment in technology and all should have representation on the committee.

Member	Title	Constituency Represented
Sandra Heinsohn	Bus. Mgr./Tech. Coor	Staff
Bill Green	Superintendent	Staff
Tim Angelus	Technologist	Staff
John Preston	Teacher	Staff
Polly Pierson	Board Member	Parent/CM
Craig Crissinger	Community Member	CM
Ian Kitterman	Student	Student
Victoria Waschak	Student	Student
Dawn Green	Technologist	Staff

Executive Summary:

Quemado Independent School District #2 is a rural school district that covers approximately 4064 square miles with only 155-170 students in attendance. Much of the population lives at or below poverty level and many have little access to technology.

Quemado ISD #2 strives to provide all students, regardless of the rural conditions or their socioeconomic status, access to a high quality education that integrates technology in every area. The use of technology should advance equity in education for all students.

Quemado ISD #2 enables all students and teachers to acquire a working knowledge of and appreciation of technologies through appropriate training. Technological tools will be used to supplement curriculum, provide assessment tools, ensure appropriate and equitable access, and enhance the overall educational experience. Quemado ISD #2 is dedicated to providing adequate resources (i.e. software, equipment, training, support, and maintenance) in order to implement and achieve program standards, goals, and expectations and ensure access to staff, students and community.

Quemado ISD #2 uses telecommunications (phone and fax) in everyday operations.

School Vision for Technology Use:

Expected student outcomes over 3-5 years as a result of technology use:

1. Access to technology must be equitably distributed, without regard to gender and/or socioeconomic status to all stakeholders.
2. Every student will have equal access to online experiences, according to age appropriate time limits and restrictions.
3. Students will demonstrate the ability to complete a research project utilizing technology and electronic and/or Internet resources.
4. Students will use information technology resources to engage in meaningful real world problem solving experiences.
5. Students will use technology to prepare and deliver multi-media presentations.
6. Students will use technology to communicate freely, when time allows, on a regular basis with other students throughout the district and surrounding community thus improving community, school and personal relations.

7. All students will be literate in technology by the 8th grade, based on national standards developed by the International Technology Education Association.
8. Students will achieve proficiency in a variety of employment-related productivity software.
9. Students exiting the school district at the end of grade 12 will demonstrate basic computer competencies including but not exclusive to the legal and moral ethics of technological sharing and transfer of information.
10. Students will have had the opportunity to explore the many varieties of technology available in today's world.

Expected Staff outcomes over 3-5 years as a result of technology use:

1. Teachers will use technology to review, monitor, and structure student learning and progress.
2. Teachers will integrate technology into every curriculum area. Teachers must be proficient in the use of word processing, spreadsheet, power point, etc in order to teach students to use it properly within assignment areas.
3. Teachers will use technology as a classroom management tool.
4. Teachers will utilize technology as a primary means of communicating with colleagues and the community.
5. Staff will utilize technology as a tool for communication with colleagues and the community.
6. Teachers and school site administrators will use technology to remain informed of the latest and most successful teaching practices.
7. Teachers will participate in learning experiences utilizing Internet technology.

Expected community outcomes over 3-5 years as a result of technology use:

The Quemado ISD #2 District involves 4 communities and large outlying areas. The District must strive to ensure access to information technology tools, to provide training That will increase proficiency and promote usage of technologies available at the schools within the district.

1. The community will become more familiar with and utilize technologies available.

2. Parents will become more proficient in the use of technologies making them able to assist their children as needed.
3. Parents will access grades and other performance indicators via the Internet.

Status/Progress:

The district is proud of the advances made in the area of technology over the past ten years. At this time there is no classroom with fewer than four computers that are connected to the Internet through our local area network and have access to the Internet via a T-1. Accelerated Reader, Star Math and Plato Learning are used for curriculum enhancement and MAPS is used for an evaluation tool. The high school provides emergent technologies classes that have included programming robots as well as offering basics on CAD drafting and game design. Video conferencing equipment has allowed the district to share our math teacher with another district. College courses from WNMU and a Spanish class from a teacher in another district have been offered through video conferencing as well. High school students use presentation and word processing programs in all curricular areas to meet class requirements. A class that also designs and sells business cards, stationary, etc. to the public produces the yearbook. Laptops are provided for all students grades 7-12 and Alpha-smarts are available for checkout at the elementary level.

Quemado ISD #2 has 72 computer workstations, Pentium III and IV's, distributed throughout the school campuses for academic use, although some computers are aging a replacement system is keeping them capable of running all applications. The school maintains 2 computer labs of 30 stations, a library research center of 5 computers, with all remaining computers located in the classrooms. Each classroom is equipped electronic whiteboards and digital projectors.

The public is invited to use technologies at the school during weekdays and personnel help them to learn basic Internet search skills, etc.

Communication with parents and community members is being enhanced through our district web site and the capability they have in accessing student grades and attendance on our student management program and electronic bulletin board that is visible from the main highway.

The district is providing training for educational assistants through Para-Pro and staff may take distance education classes via the Internet. This technology allows Quemado ISD #2 meet requirements of No Child Left Behind.

Professional Development is ongoing, via district in-services, college courses, and in-house mentor support. Members of the staff have improved skills through co-planning/implementation and course attendance, as well as learning from students who have made an effort to advance. However, on-going professional development is required. All staff are gaining proficiency due to greater exposure to software and

hardware, e.g. using digital cameras, scanners, web sites, and courses designed to improve computer literacy and information skills. Professional Development will always be an area of frustration. More time is needed for in-services to train staff to utilize hardware/software and to integrate technology into curriculums. However, this is hampered by other school/district/statewide requirements; much time is need for work on EPSS, action plans, etc.

COMPUTER INVENTORY:

With Internet Connections	Laptops for Student Use	Desktops	Laptops for Teacher Use	Desktops For Teacher Use	Desktops For staff use	Laptop for Staff Use
Multimedia Computers	107	72	21	7	6	4
All other Computers						
W/Out Internet Connection						
Multimedia Computers						
All Other Computers						

**The lab and media center in the Library is available to both high school and elementary students. Each student 7-12 has a laptop available to them. There are labs at both the high school and elementary levels. Every teacher and administrator has a laptop and there are desktops available for student checkout..*

- **Goal statements:**

- To integrate technology into all aspects of instruction in the curriculum.
- To develop staff competency in technology
- To enhance student achievement
- To promote effective and efficient use of technology by students, staff and community.
- To keep technology current and functional to enhance the learning environment.
- Investigate new technologies available.

*** OBJECTIVE 1: INTEGRATION OF TECHNOLOGY AND LEARNING.**

In order to assist in the improvement of student performance, the district must provide access to curricular materials, resources and training that support the use of technology in teaching, learning, and instruction management.

Strategies

1. Integrate technology within all areas of the curriculum, tied to content standards and benchmarks to help attain academic achievement.
2. Develop and implement school plans that integrate technology and curriculum and define measures for documenting success in raising student achievement levels.
3. Implement/develop programs that ensure accurate assessment and provide interventions to ensure student success in all curricular areas.
4. Continue researching ways to make technologies readily available to enhance student learning.

KEY TASKS	RESPONSIBLE PARTIES	FUNDING SOURCES	TIME LINES
Provide opportunities for students to use up to date technology while participating in activities that require critical thinking, communications, data collection and analysis.	District/Schools/Teachers		Ongoing
When adopting curriculum, make technology components available a requirement for selection.	District/School/Technology Committee		Ongoing
Implement new programs that assist teachers, and administrators, in recognizing and addressing deficiencies in student achievement while engaging students in the learning process. (PLATO Learning, Achieve Now)	District/School/Technology Committee	Ed Tech,, General Fund, and SB-9	Ongoing
Provide support and training for administrators, Teachers, paraprofessionals, and staff on software That is grade level or task appropriate. (MS Office, JMAC, Outlook, Web Design, etc)	District/Teachers/Universities/ RETA	Title II, Title I, General Fund, Ed Tech	Ongoing
Provide opportunities and training for parents on hardware, software, and online options at the site Level.	District tech staff/teachers/Library personnel		Ongoing
Provide new technologies to keep students interested while enhancing curricular areas. ie. Video editing equipment	District/Technology Committee	Ed Tech, General and SB9 Funds	1-3 year

*** OBJECTIVE 2: PROFESSIONAL DEVELOPMENT.**

Educators will take advantage of opportunities for professional development in the use of technologies that will enhance teacher effectiveness, student achievement, and instructional management.

Strategies

1. Require participation in training and support activities to ensure that the staff has met competencies.

2. Provide opportunities for all staff to enhance their educational technology knowledge and skills.

3. Provide educators with access to professional development in the use of educational technology in order to prepare them to help students meet high academic standards.

KEY TASKS	RESPONSIBLE PARTIES	FUNDING SOURCES	TIME LINES
Build school technology support teams.	School Staff		Ongoing
Provide opportunities for all teachers to enhance their educational technology knowledge and skills by funding Substitutes, travel assistance and stipends for extra time spent.	District/School	Title I, Operational Title II, Ed Tech	Ongoing
Develop school educational technology plans, including Professional development.	District Staff/ Technology Committee		Ongoing
Participate in trainings in consortium with other school districts.	Admin/Staff	Ed Tech, Title and General Funds	Ongoing
Encourage faculty participation in RETA training class.	District/School Staff		Ongoing

*** OBJECTIVE 3: POLICY AND ACCOUNTABILITY**

Develop technology policies and procedures that promote achievement by all students, including those with special needs, and carefully monitor the effectiveness of technology use throughout the education system. Ensure accountability at the student, staff and community levels.

Strategies

1. Develop an inventory of technology equipment and software in the district to be updated yearly.

3. Identify specific technologies that will need to be purchased.
4. Use technology in the curricula.
5. Document lesson plans using technology and curriculum standards for enhanced student learning.
6. Analyze student performance to ascertain levels of improvement in student achievement.
7. Monitoring student performance to improve achievement.
8. Use developed policies concerning ethical and legal issues such as acceptable use, copyright, security, confidentiality, and equity of access; monitor local procedures for adherence to these policies.

KEY TASKS	RESPONSIBLE PARTIES	FUNDING SOURCES	TIME LINES
Upgrade district Servers and Software as needed	Tech Coordinator/Tech Staff	Operational/SB-9	Ongoing
Implement in-house email program	Tech Staff		Fall 2004
Repair and upgrade computers removed from Labs to replace the oldest classroom computers and to add to any classrooms without 5 computers	Tech Staff	SB9/General	Ongoing
Take computers no longer usable by the district and Check out to students for home research, writing and curriculum enhancement.	School Staff, Regional Teachers/Tech Staff		Future
Maintain T-1 connectivity to ensure accessibility to all.	District	E-Rate/Ed Tech/General	Ongoing
Continue to encourage staff, students and community to participate in planning through the Technology Committee to provide input on technology implementation	Technology Coordinator		Ongoing
	Technology		Ongoing

Develop and revise Technology Plan	Committee		
Establish school-approved policies, including policies concerning ethical, legal, and security issues	District		Ongoing
Implement the integration of technology in the curricula	Teachers/ Administrators/ Tech Coordinator		Ongoing
Document student success in using technology to identify problems, collect and analyze data, and organize and convey information.	Teachers/ Administrators		Ongoing
Develop and implement a plan for evaluating the effectiveness of technology use by teachers and administrators.	Tech Staff/ Teachers/ Administrators		Ongoing

*** OBJECTIVE 4: COMMUNITY, STUDENT AND PARENT INVOLVEMENT.**

Quemado ISD #2 will encourage community, student, parent and community motivation for student achievement through the use of educational technology.

Strategies

1. Provide support to parents and community members when they are making use of district technologies.
2. Maintain up to date school web site to provide access to current, effective, and informative educational resources. (www.quemadoschools.org)
3. Use open house programs to showcase projects.

KEY TASKS	RESPONSIBLE PARTIES	FUNDING SOURCES	TIME LINES
Provide parent, community support.	Staff at school sites		Ongoing
Provide and enforce acceptable use policy	Principal/ Tech Coordinator & Committee/School Board		Ongoing
Require use of school student administrative system that will allow teachers to quickly provide progress reports, etc.	Tech Coordinator and Staff	Ed. Tech/Operational	Ongoing
Development of student computer technicians, which may aide in network maintenance and website design	Tech Staff		Ongoing
Use available classes from WNMU, continue to research other possibilities. Research adult education classes	District		Ongoing
Research possibility of providing hand-held for students and staff.	Tech Coordinator and Staff		Fall 2008
Continue use of electronic communication board.	Administrative Secretary		Ongoing

Evaluation

Objective		Evaluative Documentation
1	Professional Development	Sign-in sheets for district technology training to find the percentage of faculty trained in specific areas.
		Require training in Professional Development Plans
		Surveys to determine need and desire of technology training areas.
2	Integration of Technology and Learning	Teacher lesson plans.
		Implement programs that tie to curriculum. Provide classes that use various aspects of technology.
		Maintain tech logs in every room to measure usage.
3	Technology Leadership, Policy and Accountability	Inventories of hardware and software.
		Provide Acceptable Use Policy & Procedures.
		Published technology plan.
		Teacher portfolios of student success showcases at extra-curricular activities.
4	Effective Use of Technology Funding and Resources	Monitored closely by administration and tech staff; provide information on purchases for public.
5	Public Involvement	Published school website.
		Student acceptable use policies on file.
		Tech Logs to monitor use

• **Supporting Resources**

Quemado ISD #2 recognizes that in order for the technology program to be successful, it must continue to support, maintain and update all components.

Current Support	Recommended Support	Rationale	Time Line
<p>District Technology Committee: Members:</p> <ul style="list-style-type: none"> • Instructional Staff • Media Specialist • Administrators • School Board Representatives • Technologist <p>Purpose: Maintain 3-5 year District Technology Plan</p>	<ul style="list-style-type: none"> • Meet at least 3 times per year to share information, review, and evaluate progress of Technology Plan, discuss curricular issues relating to technology • Develop Surveys and assessment tools to evaluate the Technology Plan • Review policies and procedures relating to technology and the Technology Plan 	<p>A committee must be in place to monitor the progress, anticipate future needs, and bring issues before the Board. This will ensure that the school district maintains focus and directives set forth by the Board of Education</p>	<p>Ongoing</p>
<p>Technology Department: Technology Coordinator and technicians provide maintenance and assessment of hardware/software installation and security. As well as assisting staff in making wise software purchase decisions.</p>	<p>Train student and staff to be more independent in minor repairs and technology issues.</p>	<p>As the amount of technology increases the need for support and service will also increase, the district needs to increase its ability for quick resolution to all problems.</p>	<p>Ongoing</p>
<p>District Technology Support Increase time for the technician until it is a full-time position to fill needs in the district. Continue to train students and other staff</p>	<p>Provide local support for curriculum, training, software, and hardware.</p>	<p>Local technology leaders will assist staff in each building with technology repairs software and hardware recommendation as well as purchasing.</p>	<p>Ongoing</p>

- **Budget**

The district recognizes the need to establish a replacement/update schedule. In order to meet that need, the Board of Education has designated \$15,000 per year from SB-9 Funds to be used for technology.

The district will use Educational Technology Funds and federal funds as necessary and possible to continue adding programs and hardware as well as maintaining the status quo.

A group of dedicated individuals continue to seek funding through grant opportunities and take advantage of every training opportunity offered.