Technology Plan
2014 - 2017

Silo Public Schools
Durant, OK

Silo Public Schools
Superintendent: Dr. Bill Caruthers
Mailing Address: 122 W Bourne St
City, State Zip: Durant, OK 74701-8601

Contact Person: Tom MacEntire, Technology Director
Telephone: 580 924-7000 ext243
Fax Number: 580 924-7045

Silo Public Schools, 2014 - 2017 Technology Plan

Introduction

District Information

District Name: Silo Public Schools
County Name: Bryan
County-District: 07-I001
Superintendent: Dr. Bill Caruthers
Mailing Address: 122 W Bourne St
Durant, OK 74701-8601

Contact Information

Contact Name: Tom MacEntire
Contact Title: Technology Director
Contact Email: t.macentire@siloisd.org
Contact Phone: 580 924-7000 ext243
Contact Fax: 580 924-7045

Demographics

Average Enrollment (ADM): 838
Number of Certified Staff: 61
Low Income Percentage: 77
Number of School Sites: 3

Tech Plan Duration

Beginning Year: 2014
Ending Year: 2017

Technology Committee

Dr. Bill Caruthers/Superintendent
Tom MacEntire/Technology Director
Debra Portman/Teacher
Tonya Parr/Teacher/Web Master
Pam Dellinger/Teacher

Executive Summary

Silo School District offers grades EC-12. It is comprised of 1 Elementary School, 1 MS/JHS, and 1 High School. The district covers 121 square miles, with 6.3 students per square mile. The ethnic makeup of the district is 50% Caucasian, 1% African American, 5% Hispanic, and 43% Native American.

To provide access for all teachers, students, staff and guardians to modern equipment, technology and security that meets today's demanding scholastic requirements. Improving communication for parents, guardians and students via on-line access to student information such as assignments, homework, attendance and grades. Utilize our existing wireless technology fully to enhance mobility and connectivity for students, teachers and administrators. Maintain all currently owned and operated assets in peak form, upgrading as necessary. Continuously monitor our e-mail, intrusion detection, firewall and filtering services to maintain a safe and productive learning environment. Provide parents, students and community with e-services through our locally maintained web site that gives them a plethora of options

Introduction

for connection to proven research, technical, scientific and educational resources.

Vision

Technology is a part of everyday life. We live in a technology driven world. Technology brought into the classroom not only enhances the learning environment but enriches it. By utilizing educational technology the student becomes an integral and active participant of the learning process and seeks out, rather than avoids, new challenges. Without incorporating proven technology in the classroom we are effectively isolating students and teachers from the real world and forming a void that cannot adequately be filled. Learning through and with the use of technology provides the student with a realistic understanding of what is needed and required in our high tech world. Today technology is required in almost every aspect of the corporate world as well as our own home environments. A student with no available educational technology has little chance of succeeding or advancing in our modern world.

Mission

Provide excellence in education by having expertly trained teachers utilizing appropriate technology, in partnership with parents and community, to prepare responsible citizens capable of reaching their highest potential in an ever changing society. In short becoming "Simply Excellent".

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Assessment - Existing Inventory

Operating Systems

Operating systems used at your district:

Windows 2000 Pro, Windows XP Pro, Windows Vista, Windows 7, Windows Server 2003, Windows Server 2008, Linux.

Virtual Software (Y/N)?

N

Computers

 # Servers:

6

 # Workstations < 3 yrs old:

100

 # Workstations > 3 yrs old:

125

Average # of students to workstation ratio:

3:1

Average # of teachers to workstation ratio:

1:1

Peripherals

Peripherals installed at your district:

4 Dell 1700 black & white printers, 3 Color Sharp network printer/copier/scanners, 8 Sharp black & white network printer/copier/scanners, 4 Ricoh CL3500n color network printers, 3 Ricoh SP C232dn color network printers, 2 Okidata C5300 color printers, 3 Kodak Digital Cameras, 1 Samsung Digital camera, 1 JVC camcorder, 1 Sony Camcorder, 2 Dell 2300 projectors, 6 Dell 1200 projectors, 10 Casio M-XJ140 hybrid projectors, 15 NEC projectors, 3 Cannon Projectors, 47 smart boards, 24 unit Education Instruction student response system, 128 2Know student responders, 160 NEO2 student responders, 6 Dell Interwrite boards, 3 Smart Airliners, 11 Sound Field audio systems, 3 Front Row to go audio systems, 4 M2Sys finger print scanners, 1 Bar Code scanner.

Other

Describe Educational use of Video

Distance Learning and video conferencing.

Other technology hardware:

1 Polycom VS128, 1 Polycom QXP 6000

Networks: Local or Wide Area

Network Connectivity:

5 buildings connected by multimode 1000Mbps fiber optic cable to central network core switch located in the High School server room. Safe room connected by 100mbps copper to Library building. Portable Building connected by 100mbps copper to 5'th & 6'th grade Annex building.

Bandwidth

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Assessment - Existing Inventory

Bandwidth speed of Internet Connection
40 Mbps

Bandwidth speed of Local Area Network (LAN):
1000 Mbps

Bandwidth speed of Wide Area Network (WAN):
1000 Mbps

Telephone Access

 # Cell phones:
0

 # PRI:
0

# of phone lines:
18

Internal Phone System:
Samsung Office Serv 7400 VOIP linking all buildings with voice mail.

Email

Email Usage of District:
E-mail used by teachers, staff and administration only.

Software Applications

Software Applications Installed:
Accelerated Reader, Star Reading, Math Facts in a Flash, Accelerated Math, Star Math, A+nywhere Learning System (On-Line hosted & Locally hosted), Study Island, Micro-Error Checker Typing, MicroType 3.0, Microsoft Office 2000 Professional, Microsoft Office 2003 Professional, Microsoft Office 2007 Professional, Microsoft Office 2010 Professional, Microsoft Office 2013 Professional, Adobe Dreamweaver CS4, Renaissance Place(On-line Hosted), Destiny (On-line Hosted), Acellus, Reading Plus, Adobe IN-Design, Scansoft Paper Port 11 Professional.

School Information Management System

Student Information System:
Municipal Accounting Systems Inc., MAS Payroll & Personnel module hosted on a Dell PowerEdge 840 Server, Sif 2.X Wave Requirements compliant. Wengage I-SIS (on-line hosted), Wengage Accounting module utilized. Wengage Grade Book module utilized with accessability by parents and students. Wengage Lunch Room module utilized.

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Assessment - Technology Proficiency

The following chart shows the results of the district's self assessment of their progress toward proficiency in Essential Technology Conditions for K-12 Schools (See Appendix).

A. Technology Administration & Support	Stage 1	Stage 2	Stage 3	Stage 4
Vision Planning & Policy	■	■	■	
Technology Support	■	■	■	■
Instructional Technology Staffing	■	■	■	
Budget	■	■	■	■
Electronic Data Support Systems	■	■	■	
Funding	■	■	■	■

B. Technology Capacity	Stage 1	Stage 2	Stage 3	Stage 4
Student Technology Equipment Access	■	■	■	
Teacher Technology Equipment Access	■	■	■	■
Internet Access	■	■	■	■
Video Capacity	■	■	■	■
Distance Learning; Conditions & Capabilities	■	▨		
LAN/WAN	■	■	■	■
Curriculum based tools	■	■	■	

C. Educator Competencies & Professional Development	Stage 1	Stage 2	Stage 3	Stage 4
Educator use of technology	■	■	■	
Leadership	■	■	■	■
Professional Development	■	▨		
Models of Professional Development	■	■	■	
Effective Use of Electronic Data Support System	■	■	■	■
Content of Technology Training	■	■	■	

D. Learners and Learning	Stage 1	Stage 2	Stage 3	Stage 4
Student Use of Technology	■	■	■	
Technology Integration	■	■	■	■
Available Technology Curriculum	■	■	■	
Community Connection	■	▨		
Demonstrating Effective Use of Technology in Learning	■	■	■	■

E. Accountability	Stage 1	Stage 2	Stage 3	Stage 4
Student Technology Essential Learnings	■	■	■	■
Administrator Technology Competency	■	■	■	
Teacher Technology Competencies	■	■	■	■

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Assessment - Current Use & Identified Needs

District's Current Use of Technology

Multiple network drops have been installed in every classroom allowing local area network and Internet access for all teachers and students. Smart Boards, student response systems and Sound Field systems have been purchased and installed to enhance and facilitate classroom instruction. Channel One has been installed and is viewed daily by students keeping them up to date on current affairs. Portable projectors are available for onsite/offsite training and instruction. Server and web-based software has been installed to better support teachers in delivering high quality on demand instruction to their classrooms. The school's web site contains links and learning tools for the students and allows parents or guardians to monitor student assignments, grades and progress and can be accessed from anywhere. Distance learning equipment is available to provide access to remote classrooms such as Spanish and Choctaw learning. Wireless access points have been set up to operate portable laptop labs from anywhere on campus. Network printers are installed in strategic locations to facilitate large scale printing needs. 1Gbps bandwidth is provided to each building, 100Mbps to each work station in the school and 20Mbps from the service provider to the District.

Identified Needs

Incorporate additional wireless hardware to enable redundant connections for each building on our campus. Install additional security cameras at various locations through out the campus to better protect and monitor staff, students, and teachers. Assist students and teachers by introducing as many web-based programs and tools as possible to facilitate a learn-anywhere program. Constantly monitor the State Department of Educations requirements to ensure that the District stays aligned with stated goals and objectives.

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Assessment - Technologies to be Acquired

Technologies to be Acquired	Enhancement of Teaching	Enhancement of Training	Enhancement of Student Achievement
Computer workstations for classrooms and computer labs.	Computers will be used as an instructional tool providing access to graphics, sound, and text to make the learning environment more interesting and to provide current information.	Computers will be used as a learning and productivity tool for teachers. Software will be available to keep student records, prepare lessons, prepare information for parents, and as a teaching and communications tool.	Students will use computers to learn about subjects, to complete assignments, and as a way of reinforcing learning.
Curriculum software	Enables teachers to use software specifically designed for instruction.	Enables teachers to receive training using most current software and features set.	Students will be able to use software specifically designed to enhance the curriculum and learn using up to date features.
Digital camera and/or digital video camera and LCD projector	Teachers will use digital camera/video recorder to record student activities, projects and other instructional activities. LCD projectors enable teachers to project computer images onto a screen for classroom use	Digital images and LCD projectors are excellent training aids.	Students will be motivated to see their achievements on the district's web site. Digital images can be used in student projects and to make instructional presentations more interesting.
Distance Learning Equipment & Software / Conferencing Services	Allows the school district to offer courses to meet specific students' needs. Access to conferencing services will enable wider access to educational resources.	Teachers can access a wide variety of training using the distance learning system. Conferencing services will enable the use of providers of training from anywhere in the US.	Students will be able to take the courses and participate in new learning experiences they need to meet curriculum objectives.
Electronic White Boards	Enables teachers to project computer images for classroom use and capture training materials.	Provides tool for trainers to use for professional development sessions.	Use of multi-media and technologies in the classroom engages students and assists in the teaching process.
Email Services	Email provides additional communication with parents and outside sources.	Email provides written record of communication for future reference and clarification.	Email for students will be provided as needed for special projects involving collaboration and written communication.
File server for administrative use.	Improves operation of the network by transferring workload of accounting software to one server	Additional space for programs and files will be available for use by teachers	Students will have additional space on the network for software programs and file storage

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Assessment - Technologies to be Acquired

Technologies to be Acquired	Enhancement of Teaching	Enhancement of Training	Enhancement of Student Achievement
Firewall-Data Protection	A firewall will protect the network from intrusions from hackers and others and will keep the network operational.	The existence of the firewall will insure that the network is up and running in a safe environment for use in training and delivery of access to educational resources.	Students can safely use the network being protected from those who would harm them or the network.
Internet Access using Broadband Circuits	Provides access to online resources to assist in the development of lessons, enables interactive conferences with other schools and experts elsewhere.	Having adequate bandwidth enables teachers to participate in online training and collaboration, and access professional development resources through the Internet.	Students and staff will have bandwidth available to use educational resources available on the Internet.
Internet filtering/virus protection annually renewable	Filtering provides safe access to Internet resources and filters out unwanted sites.	Filters out unwanted sites and protects network from spam and viruses.	Protects network and minors from spam, inappropriate sites, and viruses.
Netbooks, iPads, e-readers, etc.	Portable learning devices will be used as an instructional tool providing access to the Internet to expand the learning environment past the walls of the classroom or lab.	Portable learning devices will be used as a learning and productivity tool for teachers. Software and Apps will be available to keep student records, prepare lessons, prepare information for parents and as an untethered teaching and communication tool.	Students will use portable learning devices to research topics and complete assignments which require computer and/or Internet access outside of school hours. They will also reinforce classroom/lab learning.
Network Cabling and Connectors. Fiber Connections between buildings and/or leased circuits.	Will provide connectivity to the Internet and school network	Teachers will be able to supplement learning activities with resources on the Internet and district network	Students will use the Internet and network resources to enhance their learning opportunities.
Network Equipment for data distribution (access points, switches, routers)	Will provide new resources for student learning.	Internet and network access provides access to resources on the Internet and on servers located outside the classroom that can be used to upgrade skills.	New uses of the network will provide new learning opportunities for both staff and students.
Notebook computers	Gives teachers flexibility in working environment.	Allows teachers to access the Internet and use computer from various	Mobility provided by notebook computers allows greater access

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Assessment - Technologies to be Acquired

Technologies to be Acquired	Enhancement of Teaching	Enhancement of Training	Enhancement of Student Achievement
		locations including from home	to the Internet, the school network, and technology to enhance learning. Students will have greater access to online resources for research purposes thereby meeting curriculum objectives.
Personal Digital Assistant (PDA)	Enable teachers to conduct assessments of student progress	Provide tool for scheduling, tracking, and measurement	Improvement of individualized learning programs tailored for students
Printers and fax machines	Enables teachers to print documents for use in class. Fax machines provide means for sharing documents throughout the district and with outside stakeholders.	Printed documents provide reference materials for use in training.	Students will use printed materials for reference and to complete coursework.
Professional development	Teachers will have access to learning activities, lesson plans, web excursions, lesson planning tools, and professional development activities.	Teachers will participate in continuous professional development as they implement the use of the resources in the professional development package.	Students will receive more targeted instruction and have access to additional learning activities.
Research computers for the library	Increases access to online resources including streaming media.	Increases access to research resources for teachers.	Students will have greater access to online resources for research purposes thereby meeting curriculum objectives.
Server(s)	Will provide network services to the classroom enabling access to the local area network (LAN) resources and access to the Internet.	Teachers will have access to educational resources both within the school district and from resources available on the Internet.	Students will have access to educational resources both within the school district and from resources available on the Internet to assist them in achieving curriculum objectives.
Student Management Software	Teachers will have access to grade book, attendance tracking, lesson plans aligned with state standards, student discipline tracking and much more.	Teachers will participate in on-going training on classroom management.	Students that are having problems understanding concepts will be identified earlier.

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Assessment - Technologies to be Acquired

Technologies to be Acquired	Enhancement of Teaching	Enhancement of Training	Enhancement of Student Achievement
Telecommunications Services, Phone Service, Long Distance, Cell Phones and Pagers, Phone System or Services such as PlexarVoice Mail	Access to parents and to outside sources of educational programming will be maintained. Voice mail will enable messages to be left by parents outside school hours.	Adequate access is necessary for arranging training sessions and following up with training recommendations. The ability to retrieve messages from parents will be sure that they remain fully involved in the educational process.	Communicating present student achievement and alerting parents to potential problems is essential to maintaining or improving student achievement.
Training for staff on distance learning equipment	Staff will use the distance learning equipment to access new learning activities.	Teachers will be successful users of the distance learning system.	Students will have new learning opportunities.
Training for staff on how to integrate technology into the curriculum	Staff will learn how to use technology as an integral part of the curriculum thereby providing a technology-enriched learning environment	Proven methods for using technology as a tool for both teaching and learning will enhance the staff's training experience in both retention and comprehension of the materials presented.	Students will be more involved in learning as technology is integrated into the curriculum
Training for staff on new technologies	Staff will use new technologies to enhance instruction.	Training will help teachers become proficient users.	Students will be more involved in learning as technology is integrated into the curriculum.
UPS equipment and backup systems.	Protects equipment and data enabling reliable access to the Internet and district network.	Reliable access to the district network and Internet access is essential when providing training sessions and access to professional development resources.	Ensures reliability of technology equipment and data protection so students will have access to technology and Internet resources.
Video distribution system	Enables teachers to access video content stored and maintained by the district	Video and media access will provide additional training opportunities and resources for faculty and staff. The ability to record training sessions then view at a later time will increase access to training programs.	Students will be able to participate in media-enriched learning that is proven to increase comprehension and retention of the curriculum.
Virtual Servers/Server Software	Will provide network services to the classroom enabling access to the local area network (LAN) resources and access	Teachers will have access to educational resources both within the school district and from resources available on	Students will have access to educational resources both within the school district and from resources available on

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Assessment - Technologies to be Acquired

Technologies to be Acquired	Enhancement of Teaching	Enhancement of Training	Enhancement of Student Achievement
	to the Internet.	the Internet.	the Internet to assist them in achieving curriculum objectives.
Voice over IP system with messaging	Access to parents, community and stakeholders. Voice messaging can be utilized to increase communications.	Efficient and reliable communications will support training programs.	Communication throughout the district and with parents and the community is essential for meeting the curriculum objectives for our students.
Web hosting-District web site	Teachers can post assignments and student work on their classroom web pages for increased communication with students and parents	Professional development opportunities and training information can be posted on the web site.	School schedules, course outlines, assignments, and links to educational sites applicable to the curriculum can all be more readily accessed.

Other Technologies to be Acquired

Additional Security cameras and upgraded local area network wiring campus-wide. Additional Smart Board, student response systems and Sound Field Classroom systems. Network intrusion detection enhancements. Network monitoring hardware and software. Emergency alert systems.

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Goals & Objectives

Goal 1

Teachers and students will have complete confidence in themselves when accessing learning programs and have a through understanding of technology which will allow them to effectively become self-teaching. Teachers and students will achieve their stated and required goals by maximizing their capabilities and thus helping improve the community's technology understanding.

Objective 1.1

We will provide unsurpassed instruction in advanced technology and give teachers all tools required to utilize technology in such a manner that all students will be completely motivated to achieve their best.

Category: Learners and Learning

Budget Y1: $3,000.00   Budget Y2: $3,000.00   Budget Y3: $3,000.00

Strategy 1.1.1

Provide all required technology equipment necessary to teachers, students and guardians to allow for the highest and most effective level of instruction. As Silo Public Schools Technology Director, supply each and every classroom with undivided and individualized attention.

Status: In Process

Timeline: School years 2014-2017

Responsible Individual/Dept: Technology director, Teachers and Staff

Evaluation Method/Measure of Success: Observation by Technology Director, staff and instructors as well as administrators.

Supporting Resources/Comments: E-rate funds, current equipment, new equipment and trainers.

Goal 2

Provide unsurpassed Internet Access and Telecommunications capability campus wide supporting all required academic learning objectives and administrative needs.

Objective 2.1

Maintain a VOIP system providing telephony services (voice, facsimile and voice mail) campus wide enabling access to all buildings and personnel.

To maintain phone and radio services for school personnel to support instructional and administrative telecommunications access.

Category: Administration & Support Services

Budget Y1: $20,000.00   Budget Y2: $20,000.00   Budget Y3: $20,000.00

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Goals & Objectives

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Strategy 2.1.1
</div>

Use E-rate and telecommunications funds to maintain current connections and increase capability as needed.

Status: In Process

Timeline: current up to year 3

Responsible Individual/Dept: Tom MacEntire, Technology Director

Evaluation Method/Measure of Success: Evaluate users needs verses satisfaction and meet state requirements.

Supporting Resources/Comments: E-rate and general funds

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Strategy 2.1.2
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Install and maintain required circuits for Internet Access and increase capacity as bandwidth dictates.

Status: In Process

Timeline: On-going

Responsible Individual/Dept: Technology Director

Evaluation Method/Measure of Success: Adequate Bandwidth

Supporting Resources/Comments: Apply for E-Rate discounts on eligible services.

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Strategy 2.1.3
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Install and maintain voice communications as needed to provide access to local and long distance telephone service, cellular, and paging service.

Status: In Process

Timeline: On-going

Responsible Individual/Dept: Technology Director, Superintendent

Evaluation Method/Measure of Success: Access from all buildings for voice communications.

Supporting Resources/Comments: Apply for E-Rate discounts on eligible services.

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Goal 3
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To provide and maintain a network infrastructure that allows ample and equitable district wide access to shared resources such as servers, printers and video equipment as well as the internet.

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Objective 3.1
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Maintain and upgrade the installed local area network in support of any required computer access to all network shared resources.

Category: Learners and Learning

Budget Y1: $30,000.00   Budget Y2: $30,000.00   Budget Y3: $30,000.00

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Goals & Objectives

Strategy 3.1.1

Replace all defective wiring and hardware as needed. Continuously monitor network for compliance with required standards.

Status: In Process

Timeline: current to year 3

Responsible Individual/Dept: Tom MacEntire, Technology Director

Evaluation Method/Measure of Success: Bandwith tests, hardware functionality and as needed end user attention.

Supporting Resources/Comments: E-rate, internal connections budget and general funds.

Strategy 3.1.2

Increase electrical distribution and capacity as needed. Increase cooling and ventilation as needed. Install/replace uninterruptible power supplies (UPS) as needed to protect all hardware.

Status: Planned

Timeline: July 2014 - June 2017

Responsible Individual/Dept: Technology Director and Maintenance Personnel

Evaluation Method/Measure of Success: Protect investment in technology.

Supporting Resources/Comments: File for E-Rate discounts on eligible products/services

Strategy 3.1.3

Servers must be upgraded or replaced as needed for technological capability, space and reliability.

Status: Planned

Timeline: July 2014 - June 2017

Responsible Individual/Dept: Technology Director and Maintenance Personnel

Evaluation Method/Measure of Success: Increase in reliability of the network.

Supporting Resources/Comments: File for E-Rate discounts on eligible products/services.

Goal 4

To provide and incorporate computer workstations, printers, scanners, Smart Boards, Classroom voice systems, video systems and other necessary technology advancements into the normal school curriculum.

Objective 4.1

The district recognizes that computers and media technology become effective instructional tools only if readily accessible to students and teachers.
The district will provide sufficient software, online resources, computers, printers, scanners, video equipment and other technology each year to expand and enhance the students learning opportunities and skills.

Category: Learners and Learning

Budget Y1: $10,000.00   Budget Y2: $10,000.00   Budget Y3: $10,000.00

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Goals & Objectives

Strategy 4.1.1

Place equipment on a 4-year rotational replacement schedule to ensure all hardware is technologically up to date and operational.

Status: In Process

Timeline: On-going

Responsible Individual/Dept: Tom MacEntire, Technology Director

Evaluation Method/Measure of Success: Ensure we meet educational demands, as well as staying current with a growing technological environment.

Supporting Resources/Comments: General funds, hardware budget and maintenance budget.

Goal 5

To continue to provide ongoing professional development training for all staff members.

Objective 5.1

The district will continue to provide teacher training as the key to integrating technology into the teaching and learning process.
The district will coordinate with local training resources available through the state department of education, higher education institutions, area career technical schools, and internet resources to better maximize local dollars.
Teachers and educational facilitators will master the use of technology in order to create an environment in which students become active,self directed, life long learners

Category: Educator Competencies & Professional Development

Budget Y1: $3,000.00   Budget Y2: $3,000.00   Budget Y3: $3,000.00

Strategy 5.1.1

Provide one on one instruction to parents, teachers, and staff members.
Schedule after hours training. Provide 24 hour access to technology resources.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Tom MacEntire, Technology Director

Evaluation Method/Measure of Success: Observation of weaknesses.

Supporting Resources/Comments: Professional development funds.

Goal 6

Provide access to school technology before and after normal school hours.

Objective 6.1

Develop and implement a plan for staffing selected school labs before and after normal school hours.

Category: Educator Competencies & Professional Development

Budget Y1: $2,500.00   Budget Y2: $2,500.00   Budget Y3: $2,500.00

Goals & Objectives

Strategy 6.1.1

Identify strengths and weaknesses. Select and use instructors with a good knowledge of all offered programs for tutoring.

Status: In Process

Timeline: current to end of year 3

Responsible Individual/Dept: Tom MacEntire and Selected Teachers

Evaluation Method/Measure of Success: Questions and answers to needs of guardians, students, staff and instructors.

Supporting Resources/Comments: Professional development.

Goal 7

Establish life long learning opportunities for parents and community members

Objective 7.1

Continue to provide instruction on the use of technology and access to technology for parents and members of the community

Category: Learners and Learning

Budget Y1: $2,500.00   Budget Y2: $2,500.00   Budget Y3: $2,500.00

Strategy 7.1.1

Continuously provide support for all incoming requests from students, parents and guardians. Maintain a liaison with the Durant public library. Maintain currency with distance learning equipment hardware, software and usage.

Status: In Process

Timeline: Current to 3rd year

Responsible Individual/Dept: Tom MacEntire, Technology Director

Evaluation Method/Measure of Success: School comparisons. Stay in contact with local Schools and Libraries.

Supporting Resources/Comments: E-rate and general funds.

Goal 8

To coordinate with the public library in Durant and other educational providers to provide literacy and other training.

Objective 8.1

Develop an agreement to coordinate programs with the public library in Durant to deliver adult literacy programming.
Provide access to silo public school facilities for use by public library personnel.

Category: Learners and Learning

Budget Y1: $500.00   Budget Y2: $500.00   Budget Y3: $500.00

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Goals & Objectives

Strategy 8.1.1

Maintain contact with library officials and research new opportunities. Remain cognizant of local educational institutions and what they offer and can provide. Keep all concerned informed and provide instruction on the use of any and all programs.

Status: In Process

Timeline: Current to end of 3rd year

Responsible Individual/Dept: Tom MacEntire, Technology Director

Evaluation Method/Measure of Success: Contact users to make sure they are aware of how to access and utilize programs.
Request of users their likes and dislikes in order to create a better environment to learn in while keeping learning interesting.

Supporting Resources/Comments: general funds

Goal 9

To maintain a district web site for school and community wide communication.

Objective 9.1

To maintain the school web site for providing specific as well as general information about the school district including enrollment procedures, school hours, after school activities and staff information.

Category: Administration & Support Services

Budget Y1: $1,000.00   Budget Y2: $1,000.00   Budget Y3: $1,000.00

Strategy 9.1.1

Lab instructors as well as the technology director will continue to edit and upgrade our current website, as well as purchase new software to support and keep the website up to date.

Status: In Process

Timeline: Our web site is complete and will continually be edited as needed.

Responsible Individual/Dept: Lab Instructors/Tom MacEntire

Evaluation Method/Measure of Success: Get community opinions

Supporting Resources/Comments: software budget

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Goals & Objectives: Budget Summary

Category	Year 1	Year 2	Year 3	Total
Administration & Support Services	$21,000.00	$21,000.00	$21,000.00	$63,000.00
Educator Competencies & Professional Development	$5,500.00	$5,500.00	$5,500.00	$16,500.00
Learners and Learning	$46,000.00	$46,000.00	$46,000.00	$138,000.00
Total All Categories:	**$72,500.00**	**$72,500.00**	**$72,500.00**	**$217,500.00**

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Budget

Sources of Funds	Year 1	Year 2	Year 3
Donations	$0.00	$0.00	$0.00
E-Rate	$315,514.00	$324,980.00	$333,900.00
General Funds	$200,000.00	$150,000.00	$150,000.00
Grants	$50,000.00	$50,000.00	$50,000.00
Other	$35,057.00	$36,109.00	$37,100.00
Total Sources of Funds:	**$600,571.00**	**$561,089.00**	**$571,000.00**

Technology Expenditures: Items Eligible for E-rate Discounts	Year 1	Year 2	Year 3
Internal Connections	$0.00	$0.00	$0.00
Internet Access	$330,471.00	$340,386.00	$350,000.00
Maintenance	$0.00	$0.00	$0.00
Telecommunications	$20,100.00	$20,703.00	$21,000.00
Total Erate Eligible items:	**$350,571.00**	**$361,089.00**	**$371,000.00**

Non-Erate Items	Year 1	Year 2	Year 3
Hardware, such as computers, printers, fax machines, video equipment, scanners, CD-ROM drives and servers	$60,000.00	$25,000.00	$25,000.00
Maintenance, such as systems maintenance and operations costs for ineligible hardware and software and salaries of technical staff	$70,000.00	$70,000.00	$70,000.00
Professional Development, such as ongoing technology-related training for technical staff, teachers, and/or librarians	$3,000.00	$3,000.00	$3,000.00
Retrofitting, such as electrical wiring, asbestos removal, building modifications, renovations and repair to support technology infrastructure	$10,000.00	$10,000.00	$10,000.00
Software, such as end user applications	$10,000.00	$10,000.00	$10,000.00
Total Non-Erate Items:	**$153,000.00**	**$118,000.00**	**$118,000.00**
Total Technology Expenditures	**$503,571.00**	**$479,089.00**	**$489,000.00**

Evaluation

Responsibility

Tom MacEntire, Technology Director with assistance from the school Superintendent, Bill Caruthers.

Evaluation Process

Monitoring the technology plan will consist of ensuring that we are meeting the demands of the schools growing technology needs as well as being cognizant of emerging technology and evaluating such technology for possible inclusion. To remain aware of state and federal requirements. To replace both hardware and software as it becomes outdated and unserviceable. To continuously ask the following questions:
 What is needed?
 What is acceptable?
 Are we up to date with both technology and society?
 Does this meet all requirements and needs?
 What type and amount of funds are needed?
 Is the school safe and secure?
Successes: We are behind a firewall and an intrusion detection system. We utilize bandwidth monitoring equipment. We have 100Mbps to each classroom. We have a 1000Mbps fiber backbone to each building. We have backup contingencies. All students, teachers and staff have access to the internet, their required programs and e-mail from any location on campus as well as being able to print to networked printers. Information sources: software and hardware Providers, Kellogg and Sovereign. Evaluation of the technology plan will have to be continued through out the year on a monthly basis to meet growing demands in technology.

Evaluation Timeframe

The plan will be evaluated monthly.

Evaluation Findings

The school Superintendent will be advised and purchases will be requested by the Technology Director.

Evaluation Analysis - Annual Updates Only

All goals and objectives were met. Our network infrastructure has improved to the point that there are no classrooms or student computers that do not have network and internet connectivity.

Yes, in the classrooms with Smart Boards installed the teachers were able to incorporate them into their curriculum much more than initially thought.

None. All goals and objectives were met.

Interactive smart boards placed in every classroom. New wireless devices such as sound field systems and better security devices.
Keeping abreast of new technologies by attending state educational conventions such as the State Leadership Conference, Oklahoma Technology Association Annual Conference and K20 Annual Conference. Reviewing trade journals and publications. Attending vendor sponsored seminars and training.

Silo Public Schools, 2014 - 2017 Technology Plan
CIPA (Children's Internet Protection Act) Compliance

Beginning with E-Rate funding year 2002-2003, schools and libraries who participate in the E-Rate program must certify that they are in compliance with the Children's Internet Protection Act (CIPA).

The Children's Internet Protection Act (CIPA) was signed into law on December 21, 2000. Under CIPA, no school or library may receive E-Rate discounts unless it certifies that it is enforcing a policy of Internet safety that includes the use of filtering or blocking technology. This Internet Safety Policy must protect against access, through computers with Internet access, to visual depictions that are obscene, child pornography, or (in the case of use by minors) harmful to minors. The school or library must also certify that it is enforcing the operation of such filtering or blocking technology during any use of such computers by minors.

In general, local communities are responsible for determining what constitutes prohibited material and appropriate actions by schools and libraries.

For further details, see: http://www.kelloggllc.com/cipa/index.html

Description, Company Name of Technology Protection Measure

Palo Alto Next Generation Firewall and iBoss Internet Filtering Software

Internet Acceptable Use Policy

Acceptable Use Policy - Silo Public Schools
http://www.erate470.com/tpc/documents/cipa2_13190JYJX8.pdf

Board Meeting Agenda and Minutes When CIPA Compliance Last Discussed

Silo Public Schools - Board Meeting August 2013
http://www.erate470.com/tpc/documents/cipa3_13190JYJX8.pdf

CIPA Certification

CIPA Certification
http://www.erate470.com/tpc/documents/cipa4_03BT12IC4U.pdf

Appendix

Attachments

Attachment A

Rubric of Essential Technology Conditions

http://www.kelloggllc.com/tpc/rubric.pdf

Attachment B

National Educational Technology Standards (NETS)

http://www.kelloggllc.com/tpc/nets.pdf

Attachment C

Network Diagram - Silo Public Schools

http://www.erate470.com/tpc/documents/silo_networkdiagram.pdf

Attachment D

Internet Filter Invoice & Log

http://www.erate470.com/tpc/documents/silo_filterlog_2009.pdf