

SANDY GARRETT
STATE SUPERINTENDENT OF PUBLIC INSTRUCTION
OKLAHOMA STATE DEPARTMENT OF EDUCATION



2007 - 2010
District Technology Plan

Technology plans must be submitted for approval prior to the due date listed on your most recent technology plan approval letter. Submit your plan online or mail to:

Oklahoma State Department of Education
Instructional Technology/Telecommunications
2500 North Lincoln Boulevard
Oklahoma City, Oklahoma 73105-4599

DISTRICT INFORMATION

County Name: Seminole County Number: 67
District Name: Konawa Public Schools District Number: 1004
Superintendent: Jim Beckham
Mailing Address: 701 W South St
City, State Zip: Konawa, OK 74849-9602

Contact Person: Tom Smith, Technology Director
Telephone: (580) 925-3721
Fax Number: (580) 925-2146

Konawa Public Schools, 2007 - 2010 Technology Plan

Introduction

District Information

District Name: Konawa Public Schools
County Name: Seminole
County-District: 67-1004
Superintendent: Jim Beckham
Mailing Address: 701 W South St
Konawa, OK 74849-9602

Contact Information

Contact Name: Tom Smith
Contact Title: Technology Director
Contact Email: smitht@konawa.k12.ok.us
Contact Phone: (580) 925-3721
Contact Fax: (580) 925-2146

Demographics

Average Enrollment (ADM): 736
Number of Certified Staff: 69
Low Income Percentage: 63
Number of School Sites: 3

Tech Plan Duration

Beginning Year: 2007
Ending Year: 2010

Technology Committee

Tom Smith, Technology Director
Larry Marlow, Middle School Principal
Vickie Fleming, Elementary School Principal
Tammie Tooley, Board Member
Karla Davis, Library Media Specialist
Darrel Walker, Community/Business Representative
Stacey Coffey, Parent Representative
Jessica Sexton, Student Representative

Executive Summary

Konawa Public Schools recognizes the critical role that technology plays in our mission of encouraging and motivating each child to meet the challenges, choices, and opportunities of the future. Technology evolves at a pace which staggers the imagination and strains the budget, yet our administrators and staff see the necessity of maintaining technological assets as a high priority. We also strive to utilize new technologies whenever possible to improve our services and enhance the educational experience of our students.

To that end, our plan embraces mobile technology to empower our teachers and engage our students. Having researched one-to-one initiatives, we see the profound difference in enthusiasm and involvement that full-time access to mobile technologies creates. We intend to equip our faculty with laptop

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computers and replace desktop labs with mobile labs. Our network infrastructure is already in place to support these changes and we plan to start the process of training our staff to utilize the mobility paradigm shift in presentations and assignments.

Vision

The vision of Konawa Public School for educational technology is that of creating an educational environment in which technological tools are as pervasive and as natural an element as books and pens. We wish to help make the teacher's job simpler and more efficient - instead of more time consuming and confusing. We wish to create an environment in which the student can grow creatively and from which he or she can take ideas and practices to the marketplace of life.

To that end, we envision a future in which:

- our teachers are equipped with the hardware, training, and resources to embrace mobile technologies in their planning, delivery, and assessment of curriculum
- our middle and high school students have 24/7 access to mobile technology that replaces their aging textbooks with up to date digital curriculum and access to web resources
- our elementary students have access to mobile labs to facilitate classroom curricular projects
- our students and teachers are provided with sufficient technical support to maintain systems and address issues promptly
- our administration and support staff utilize reliable and secure workstations

We further envision a first step toward the goal of one-to-one technologies by acquiring mobile labs and aggressively pursuing grant opportunities that can facilitate growing our mobility deployment to a true one-to-one for both teachers and students.

Mission

The mission of our school district is "Encouraging and motivating each child to meet the challenges, choices, and opportunities of the future." In support of this overall mission, our educational technology mission is "Coordinating and guiding the acquisition and evolution of technical tools and services to facilitate and enhance the student's educational experience, while minimizing waste and duplication."

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Assessment - Existing Inventory

Operating Systems

Operating systems used at your district:
Windows XP Professional, Mac OS 10.4

Computers

Servers:
8

Workstations < 3 yrs old:
45

Workstations > 3 yrs old:
130

Average # of students to workstation ratio:
4.3:1

Average # of teachers to workstation ratio:
1:1

Peripherals

Peripherals installed at your district:
12 networked laser printers, 6 direct-connect printers, 8 optical scanners, 2 smartboards, 22 digital still cameras and 2 digital video cameras.

Other

Other technology hardware:
Our distance learning station is a PolyCom unit located in the library. The Vocation Business lab has a video production station.

Networks: Local or Wide Area

Network Connectivity:
We have three buildings connected by fiber to the master connect located in the high school. Primary electronics consist of an Internet router, and seven switches in the master connect. Twelve additional switches are located in the other Interconnects.

Bandwidth

Bandwidth speed of Local Area Network (LAN):
10/100/1000mbps

Bandwidth speed of Campus/Metropolitan Area Network (MAN):
1000mbps

Bandwidth speed of wide area network (WAN):
two T-1 lines

Telephone Access

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Assessment - Existing Inventory

Cell phones:

7

of phone lines:

20

Internal Phone System:

Our telephone system is a Norstar system with voice mail.

Email

Email Usage of District:

Each teacher and administrator has an email account on a local server.

Software Applications

Software Applications Installed:

Microsoft Office productivity, Success Maker integrated learning system, Accelerated Reader, iLife, iWork are used widely throughout the district.

School Information Management System

Student Information System:

Wen-Gage student information and accounting applications are used in our district under and account with Municipal Accounting Systems. Alexandria library circulation software is used in the Kennedy Library of Konawa. We have a Wave Server.

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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 Oklahoma 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

Administrators use Wen-Gage student information and accounting systems to track student progress. Teachers use Easy Grade Pro to track and report grades and attendance. All teachers have computers dedicated for their use. While most of these are desktop computers, twelve teachers have laptop computers that are less than two years old. Most classrooms have projection equipment for presentations and all teachers have access to presentation software.

Nearly every classroom is equipped with at least three computers and all have Internet access. The only exception is classrooms where the teacher elected not to use them and our in-school detention classroom. Most teachers have attended training in the integration of technology in the classroom and many were given digital cameras to use in student projects and in developing media for their lessons. All teachers and administrators have access to printers.

We have two integrated learning system labs in our elementary buildings using the Success Maker programs. The elementary students participate in Accelerated Reader and Reading Plus programs.

Fourteen computers in the library are for the use of students and patrons, plus a writing lab with twenty workstations, and two computer labs for vocational and internet publishing classes. Our school maintains a web site that provides support to teacher and student projects.

Our yearbook class has seven computer workstations using Adobe In-Design to create the yearbook.

Identified Needs

The technology needs for our district currently include

- Laptop computers for teachers.
- Mobile labs for middle school and high school.
- Increased level of technical support.
- Replacement cycle for equipment.
- Secure and reliable solution for administrative workstations.

Our vision for the future of our school's technological environment would ultimately place mobile computers in the hands of middle school and high school students 24/7. Instead of aging textbooks, they would have digital versions of the curriculum on their laptop and access to up-to-date media via the Internet. Instead of worksheets and assignments, much of their workflow would be directed into cross-curricular projects. Our elementary student would continue their use of integrated learning system labs, but would also incorporate mobile labs in the 5th and 6th grades for classroom projects.

The first step to achieving a one-to-one environment is to provide our teachers with laptops and staff development opportunities which prepare them for mobile education. After a year of training teachers, the next step would be the acquisition of mobile labs for the high school and middle school with sufficient numbers of laptops to accommodate the entire class (25 each). These mobile labs would replace the current writing lab and increase student access to computers.

Technical support for our district is currently strained and insufficient as our technology staff has been reduced in recent years from two full-time positions to one part-time position. In order to keep up with requests for assistance more promptly and support the increasing number of technical acquisitions of the district, we should increase the staffing of technical support.

Currently the district relies upon residual funds of federal entitlements and grants to make technology purchases, but there is no annual budget for the support and improvement of technology in the district. Knowing how much money is actually going to be available for technology during the year is a necessity for planning and making prudent decisions. Designating an annual budget would mean that the district

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Assessment - Current Use & Identified Needs

recognizes the crucial nature of technology and shows that technology is a high priority for the district.

The replacement cycle for equipment is presently based upon funds available, current software requirements of departments, and the condition of the machines. We do not have any means of establishing a regular replacement cycle. Finally, our secretaries, principals, and counselors have administrative rights to their computers which compromises the reliability of the systems when users attempt to download or install unnecessary software or allow others to access their workstations. We need to adopt a more secure solution of rights and privileges or replace the computers with thin clients and remote access.

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Goals & Objectives

Goal 1

Increase student scores in core curriculum areas.

Objective 1.1

Improve student access to computers and information technologies.

Category: Learners and Learning

Budget Y1: \$25,700.00 Budget Y2: \$25,700.00 Budget Y3: \$25,700.00

Strategy 1.1.1

Provide three mobile labs consisting of 20 laptop computers, cart, printer, and a wireless access point.

Status: Planned

Timeline: One mobile lab will be acquired per year for each of the three years in this plan. The first lab will be placed in the middle school (2007), the second in the high school (2008), and the third in the 4th-5th grade building (2009).

Responsible Individual/Dept: The building principals will be responsible for scheduling the use of labs in each of the three areas. Current principals are Gary Stidham (high school), Larry Marlow (middle school) and Vickey Fleming (Elementary).

Evaluation Method/Measure of Success: One measure of success can be ascertained by the percent of time available that the mobile labs are utilized. A second means of measuring the success of deploying the mobile labs will be feedback by teachers.

Supporting Resources/Comments: The technology director will support labs in the high school and middle school by tech support, while the elementary lab will be supported by the elementary staff. Staff development will be provided to faculty in grades 4 to 12 to increase awareness of possible uses for the labs, practical knowledge, and to assist in modifying presentations and assignments for mobile technologies.

Strategy 1.1.2

Use Success Maker intergrated learning system to monitor and develop independent levels of achievement in math, reading, language, spelling, and writing.

Status: In Process

Timeline: This is an on-going activity that will continue throughout the plan period.

Responsible Individual/Dept: Overall responsibility for the integrated learning system labs is that of the elementary principal, Vicki Fleming. The labs are monitored by Betty Gallagher and Laura Doner who assist students and process schedules. Reporting is the responsibility of Debbie Watters. Laura Doner also conducts the backup routine.

Evaluation Method/Measure of Success: Individual and group progress levels are maintained annually to show student gains.

Supporting Resources/Comments: Technical support contracts are purchased annually from the vendor. Trouble shooting is also handled by the technology director, Tom Smith.

Objective 1.2

Improve elementary student's reading skills.

Category: Learners and Learning

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

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Goals & Objectives

Strategy 1.2.1

Use Dibbels testing to assess reading readiness in grades pre-k to first.

Status: In Process

Timeline: This testing process will be continued throughout each of the plan years.

Responsible Individual/Dept: Vickey Fleming, elementary principal, is the primary responsible party. Debbie Watters supervises the testing and disseminates the results.

Evaluation Method/Measure of Success: Teacher feedback and changes noted in the reading levels of students will be utilized as measures of success.

Supporting Resources/Comments: The vendor provides technical support.

Strategy 1.2.2

Use Accelerated Reader programs to motivate and challenge young readers. This program includes Star Testing and Accelerated Grammar and Spelling.

Status: In Process

Timeline: These programs will be continued throughout the plan years.

Responsible Individual/Dept: Final responsibility is that of the elementary principal, Vicki Fleming. Debbie Watters, our reading specialist, is the person in charge of administering this program.

Evaluation Method/Measure of Success: Reports are generated for individuals and groups by the software. Classes and students are honored for high achievement. Reading levels and the number of books read are monitored as an evaluation method. Teacher and parent feedback is also considered.

Supporting Resources/Comments: Technical support contracts are purchased from the vendor. AR is contracted as a web-based resource so the vendor provides updates and backup services.

Strategy 1.2.3

Use Reading Plus to improve fluency, reading rate, comprehension and vocabulary.

Status: In Process

Timeline: This program will be continued during each year of the plan.

Responsible Individual/Dept: Final responsibility is that of the elementary principal, Vicki Fleming. The program is administered by our reading specialist, Debbie Watters, and Missy Khoury and Laura Doner supervise students while in the lab.

Evaluation Method/Measure of Success: Teacher feedback and the reading grades of students are used as evaluation methods. The program provides reports for individuals and grade groups.

Supporting Resources/Comments: Technical support is provided by the vendor.

Objective 1.3

Provide students with expanded course offerings.

Category: Learners and Learning

Budget Y1: \$200.00 Budget Y2: \$200.00 Budget Y3: \$200.00

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Strategy 1.3.1

Work with regional and local colleges to offer concurrent enrollment courses for seniors via distance learning technology.

Status: In Process

Timeline: This on-going activity will be continued during each year of the plan.

Responsible Individual/Dept: The high school counselor will be responsible for working with the college for course offerings. Current courses are monitored by Donny Longest and Tiffany Oliphant. The high school principal, Gary Stidham, is responsible for the activity.

Evaluation Method/Measure of Success: Enrollment level and student progress are the measures of success.

Supporting Resources/Comments: Technology director, Tom Smith, assists with technical issues as needed.

Objective 1.4

Expand access to technology for our adult literacy program.

Category: Learners and Learning

Budget Y1: \$100.00 Budget Y2: \$100.00 Budget Y3: \$100.00

Strategy 1.4.1

Provide a computer in the Dougan Conference Center for use by the GED program. The room is already equipped with a network connection, wireless access, a projection monitor and is the location for our distance learning classes and equipment.

Status: Planned

Timeline: This activity could be completed the first year of the plan.

Responsible Individual/Dept: Mrs. JoAnn Lucas, the GED teacher, would be responsible for the computer.

Evaluation Method/Measure of Success: Feedback from Mrs. Lucas on the usefulness of the resource would be used to evaluate the activity.

Supporting Resources/Comments: We could provide a homepage listing adult literacy web sites as a starting page for the browser in this location.

Goal 2

Equip, prepare, and provide support for teachers in grades 4 to 12 utilizing mobile and other technologies.

Objective 2.1

Enable teachers to become more efficient and innovative.

Category: Educator Competencies & Professional Development

Budget Y1: \$4,600.00 Budget Y2: \$4,600.00 Budget Y3: \$4,600.00

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Goals & Objectives

Strategy 2.1.1

Replace teacher's desktop computer with laptop computers and mobile technologies. This is currently our most popular and requested program.

Status: In Process

Timeline: Ten of our faculty have already traded in their desktop computers for laptops in grades 3 to 12. Ten additional laptop computers with supporting software and training will be deployed each of the three plan years as required.

Responsible Individual/Dept: Technology director, Tom Smith, will be responsible for preparing the computers, maintaining the mobile accounts, and will provide preservice training.

Evaluation Method/Measure of Success: The best measure of success will be feedback from the teachers. Reports on how the classroom has changed for the benefit of students will be our primary means of evaluation.

Supporting Resources/Comments: Our current file servers support mobile accounts providing backup and other network services. We presently have eight wireless access points on the campus and plan to install four others this year.

Strategy 2.1.2

Encourage and support teachers using software and web resources provided by textbook publishers to enhance, expand, and update their products.

Status: In Process

Timeline: This process will be continued during each year of the plan and expanded as new books are adopted and new resources become available.

Responsible Individual/Dept: Building principals bear final responsibility for all curricular resources. The technology director, Tom Smith, will assist with administering resources.

Evaluation Method/Measure of Success: Student scores on mandated and other testing will be considered as an evaluation method. Teacher, student, and parent feedback are all measures of success.

Supporting Resources/Comments: Each publisher provides a range of products and support. The quality of the products vary, but our efforts will be to facilitate usage of each product.

Objective 2.2

Prepare teachers to utilize mobile technologies.

Category: Educator Competencies & Professional Development

Budget Y1: \$4,600.00 Budget Y2: \$4,600.00 Budget Y3: \$4,600.00

Strategy 2.2.1

Provide staff development that helps teachers develop new classroom management techniques and strategies for adapting their methods to mobility.

Status: Planned

Timeline: Three two-day sessions are planned, one each year of this plan, to accommodate deployment of mobile labs.

Responsible Individual/Dept: Joe Sharber, federal programs director, is responsible for professional development activities.

Evaluation Method/Measure of Success: Teacher feedback and the observations of building principals will be the evaluation method.

Supporting Resources/Comments: These staff development courses, provided by Apple

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Computer, are supported with many web-based support and training options throughout the year. Our Internet and Intranet sites will also be utilized to facilitate use of resources provided by the courses.

Objective 2.3

Support teachers by providing web-based curricular resources.

Category: Learners and Learning

Budget Y1: \$1,200.00 Budget Y2: \$1,200.00 Budget Y3: \$1,200.00

Strategy 2.3.1

Subscribe to the media services on United Streaming, subsidiary of Discovery Education, to give teachers access to video media correlated to standards in each subject area.

Status: Planned

Timeline: We were given a free subscription to United Streaming for two years, but that offer has expired and is no longer available. The subscription will be initiated and then continued during each of the plan years.

Responsible Individual/Dept: Technical support for accessing the service will be provided by Tom Smith, technology director, and documented on the Intranet help desk.

Evaluation Method/Measure of Success: Teacher feedback and observation of the building principals will be considered as evaluation methods.

Supporting Resources/Comments: This service provides streaming and download access to high quality videos for every subject and grade level and is one of the most requested services by teachers. The vendor provides technical support.

Objective 2.4

Encourage and equip teachers to improve communication with parents and community by utilizing emerging technologies.

Category: Educator Competencies & Professional Development

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

Strategy 2.4.1

Train and support teachers in publishing the activities and events of their classes on the school Internet site.

Status: In Process

Timeline: This activity will continue and expand in each year of the plan.

Responsible Individual/Dept: Tom Smith, technology director, will administer the web resources and offer training periodically to teachers.

Evaluation Method/Measure of Success: Number of teachers involved, scope of the publishing activities, and feedback from parents and students will be the measures of success.

Supporting Resources/Comments: The Intranet site has been a training lab for teachers during the last three years as they learn to publish web pages on their student activities. The Intranet, accessible only to those on campus and within our network, will continue to be used for secure or sensitive information. As teachers become mature in their publishing skills and increase their interest, they will be assisted in publishing their non-secure information on the public web site.

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Strategy 2.4.2

Train and support teachers in producing and publishing podcasts that inform and engage listeners.

Status: In Process

Timeline: This activity will be continued and enlarged during each of the plan years.

Responsible Individual/Dept: Tom Smith, technology director, will provide training and support.

Evaluation Method/Measure of Success: Level of interest and feedback from teachers and listeners will be considered in evaluating the activity.

Supporting Resources/Comments: Current software and server resources are sufficient to support this activity.

Objective 2.5

Leverage the experience of successful and innovative teachers by encouraging mentorship, leadership, and publication.

Category: Educator Competencies & Professional Development

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

Strategy 2.5.1

Identify teachers who are innovative and successful in utilizing technology to improve their classes and offer them a stipend and/or other incentives to lead a professional development, preservice, or inservice workshop.

Status: Planned

Timeline: This proposed activity could begin the first year of the plan and continue throughout its duration.

Responsible Individual/Dept: The building principals, staff development committee, and technology director would work together discussing the activities they have observed and select teachers to be offered the opportunity of presenting.

Evaluation Method/Measure of Success: Observation of workshop participants, during regular evaluations or other opportunities along with faculty feedback are possible evaluation methods.

Supporting Resources/Comments: The Intranet and Internet web sites could be used to document the ideas, skills, activities, and methods presented.

Strategy 2.5.2

Encourage teachers to publish their presentations on the school web sites. Many teachers currently use Powerpoint, Keynote, and other applications to prepare their presentations. These documents can be saved for the web and published on the Internet.

Status: Planned

Timeline: This activity could begin the first year of the plan and continue throughout.

Responsible Individual/Dept: Each teacher would be responsible for preparing and submitting his or her presentation. Building principals would be responsible for the overall activity.

Evaluation Method/Measure of Success: Quantity and quality of documents published along with feedback from teachers, students, and parents could be used for evaluating the activity.

Supporting Resources/Comments: The technology director, Tom Smith, would offer assistance in publishing the documents.

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Goals & Objectives

Goal 3

Improve administrative and community (school board) support of the district's technology program.

Objective 3.1

Increasing the participation and application of grant submittance.

Category: Administration & Support Services

Budget Y1: \$0.00 Budget Y2: \$0.00 Budget Y3: \$0.00

Strategy 3.1.1

Identify all available sources of funding and develop a methodology of tracking submittal and success rates.

Status: Planned

Timeline: This activity should be conducted each year of the plan.

Responsible Individual/Dept: Federal programs director, Joe Sharber, is responsible for finding and applying for grants.

Evaluation Method/Measure of Success: A large and viable list of funding sources and a demonstrated increase in the number of grants applied for will be considered in evaluating activity. The ratio of number of grants awarded to number of grants applied for is the measure of success.

Supporting Resources/Comments: Konawa does not provide an actual annual budget for technology but depends upon residuals of federal entitlements for technology improvements. The most recent bond issue did not include the request technology component (mobile labs).

Objective 3.2

Increase parental involvement with available technology for communicating student progress and assisting parents to "model" routine use of information technology in the home.

Category: Administration & Support Services

Budget Y1: \$0.00 Budget Y2: \$0.00 Budget Y3: \$0.00

Strategy 3.2.1

Publish course syllabi, weekly assignments, and lists of student resources for projects and assignments on the school web site.

Status: Planned

Timeline: This activity could be adopted the first year of the plan and continued the follow years.

Responsible Individual/Dept: The building principals would be responsible for collection and approval of course syllabi. Each teacher would be responsible for his or her own course description, syllabus, assignment lists, and resource list.

Evaluation Method/Measure of Success: Improvement in the quality of course syllabi and the feedback of parents would be measure of success.

Supporting Resources/Comments: Technology director, Tom Smith, will provide assistance and supporting web resources facilitating this activity.

Goal 4

Improve and expand resources to insure successful and effective use of technology.

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Goals & Objectives

Objective 4.1

Improve resource level to expand adoption and successful utilization of technology within the district.

Category: Technology Capacity

Budget Y1: \$10,000.00 Budget Y2: \$15,000.00 Budget Y3: \$20,000.00

Strategy 4.1.1

Increase technical support staff or reduce the workload of the technology director by outsourcing some services.

Status: Planned

Timeline: This action should be implemented immediately in order to improve quality of service and reliability and to reduce response time.

Responsible Individual/Dept: The responsibility of technical staffing is that of the superintendent and local school board.

Evaluation Method/Measure of Success: Response time and quality of service can be used to evaluate the action.

Supporting Resources/Comments: Each year the responsibilities of the technology director have been increased while the time available and other resources have been reduced. Two years ago the district employed a full-time director and full-time elementary coordinator to field support. The elementary coordinator position was eliminated and the director reduced to part-time due to increased teaching responsibilities. Compensation has not been adjusted for many years.

Strategy 4.1.2

Fully utilize resources provided by textbook publishers by providing links on the web site, installing applications on appropriate computers, and utilizing file services. For example, some student texts are provided in a digital format as PDF files. Providing copyrights are not violated, these may be published on our Intranet site for use on the campus.

Status: Planned

Timeline: Applications provided for teachers have already been installed on their computers. As new resources become available with the adoption of new books, the resources will be updated as time permits.

Responsible Individual/Dept: Tom Smith, the technology director, will install applications and publish permitted materials. Each teacher is responsible for requesting new services that are offered with their textbooks. The publisher is responsible for content and reliability of the products.

Evaluation Method/Measure of Success: Teacher, student and parent feedback is available to the building principals as a tool in evaluating the success of the activity.

Supporting Resources/Comments: The quality of applications has been poor in the past but appears to be improving.

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Goals & Objectives

Strategy 4.1.3

Contract with United Streaming (Discovery Education) for use of video media.

Status: Planned

Timeline: This contract would be continued each year of the plan.

Responsible Individual/Dept: Building principal.

Evaluation Method/Measure of Success: Teacher and student feedback.

Supporting Resources/Comments: This is a highly requested service that many teachers found to be useful during the trial period.

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Goals & Objectives: Budget Summary

Category	Year 1	Year 2	Year 3	Total
Administration & Support Services	0.00	0.00	0.00	0.00
Educator Competencies & Professional Development	10,700.00	10,700.00	10,700.00	32,100.00
Learners and Learning	30,200.00	30,200.00	30,200.00	90,600.00
Technology Capacity	10,000.00	15,000.00	20,000.00	45,000.00
Total All Categories:	\$50,900.00	\$55,900.00	\$60,900.00	\$167,700.00

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Budget

Sources of Funds	Year 1	Year 2	Year 3
Donations	\$5,000.00	\$5,000.00	\$5,000.00
E-Rate	\$75,619.94	\$77,884.54	\$80,225.19
General Funds	\$10,000.00	\$15,000.00	\$15,000.00
Grants	\$35,000.00	\$40,000.00	\$50,000.00
Other	\$1.00	\$1.00	\$1.00
Total Sources of Funds:	\$125,620.94	\$137,885.54	\$150,226.19

Technology Expenditures: Items Eligible for E-rate Discounts	Year 1	Year 2	Year 3
Internal Connections	\$1.00	\$46,978.70	\$1.00
Internet Access	\$12,336.00	\$12,706.08	\$13,087.26
Maintenance	\$1.00	\$1.00	\$1.00
Telecommunications	\$16,305.24	\$16,794.40	\$17,298.23
Total E-rate Eligible items:	\$28,643.24	\$76,480.18	\$30,387.49

Non-Erate Items	Year 1	Year 2	Year 3
Hardware, such as computers, printers, fax machines, video equipment, scanners, CD-ROM drives and servers	\$30,000.00	\$32,000.00	\$34,000.00
Maintenance, such as systems maintenance and operations costs for ineligible hardware and software and salaries of technical staff	\$20,000.00	\$20,000.00	\$20,000.00
Professional Development, such as ongoing technology-related training for technical staff, teachers, and/or librarians	\$4,600.00	\$4,600.00	\$4,600.00
Retrofitting, such as electrical wiring, asbestos removal, building modifications, renovations and repair to support technology infrastructure	\$1,000.00	\$1,000.00	\$1,000.00
Software, such as end user applications	\$10,000.00	\$10,000.00	\$10,000.00
Total Non-Erate Items:	\$65,600.00	\$67,600.00	\$69,600.00
Total Technology Expenditures	\$94,243.24	\$144,080.18	\$99,987.49

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Responsibility

Monitoring the technology plan is the responsibility of the Technology Director, Principals, and Superintendent. Updating the plan is the responsibility of the Technology Director and the Technology Planning Committee.

Evaluation Process

Evaluation is a continuous process which takes place in our district on an annual basis. We rely upon administrative staff, teachers, students and library patrons having lines of communication with technology planners, directors, and administrators. In fact, this can scarcely be avoided. Users are quick to point out our problems, needs, and ideas for improvement. Our technology director and elementary coordinator spend a great deal of time listening to such concerns.

The technology director spends much time in classrooms and labs installing and updating software, cleaning, maintaining and configuring devices, repairing and troubleshooting. Though somewhat informal, this is the perfect time to observe how our technology solutions are working. Much of our knowledge of the effectiveness of our goals and ideas comes from what we hear and see during these hours. Students and library patrons are not hesitant to stop us and express their opinions.

In particular, during the next three years we will be listening and asking for response to three goals from this technology plan: equipping our faculty with laptop computers, utilizing mobile learning labs, and preparing to deploy laptops to high school students.

In order to formalize and organize our user feedback, we have established a routine of submitting help requests and other communications in the form of email. By archiving these communications, we have automatically documented them for review. Written job orders are also maintained for review, although they are used less frequently today.

Students are tested frequently at Konawa Public Schools. In particular, our ILS lab tests students before and after they participate in curriculum-based lab activities. Since the implementation of the ILS labs, student gains in most subjects have been regularly documented. We continue to monitor student progress in this way.

We will continue to survey teachers and solicit their feedback on how and whether the goals of this plan are being accomplished. New and expanded technologies shall be explicitly discussed and the plan will be modified when needed. The level of proficiency of teachers in the use of mobile computing technologies such as Internet research and publishing, applications and utility software, and projection equipment shall be ascertained using this feedback and survey data. If necessary, the staff development opportunities will be adjusted to meet the requests and needs of our faculty.

Past technology plans, their manner of implementation, and their evolution over time have shown us that emerging technologies and funding opportunities may require that the goals and strategies of a plan need to be accommodating. Another factor to consider is how teachers and students actually use the tools we provide.

Our goal with this plan is to use observational and survey data to constantly monitor innovations of technology and patterns of teacher and student use in order to modify our implementation strategy and improve effectiveness of all technological resources.

Evaluation Timeframe

The plan is evaluated several times a year informally as a discussion between administrators and faculty at in-service settings. Additional evaluation takes place as our district report card is issued and after

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student testing. Updating the plan is an annual process.

Evaluation Findings

The first step in evaluation of findings is a discussion between the Technology Director and administrators. The next phase of discussion is conducted informally at teacher's meetings on our campus where we regularly consider needs, goals, problems, and changing technologies. Finally, findings are presented to the planning committee for evaluation.

Evaluation Analysis - Annual Updates Only

In previous technology plans our results have been amazing. During each cycle, we presented goals and plans that seemed highly unlikely to be realized due to financial constraints and conflicting priorities. It has always been a surprise to see the extent to which our goals have been achieved. Today the challenge is even greater due to the complete lack of local funding resulting from declining enrollment and cost increases of utilities, fuel, and salaries.

Some of the goals which we have meet in previous plans include:

- increased bandwidth from ISDN to two T-1 connections
- maintenance of network devices via SmartNet contracts
- improved reliability of servers by use of RAID storage and tape backup systems
- replacement of aging computers in the labs
- providing tools to empower teachers including software, projection monitors, and digital cameras
- improving and supplying printing services
- providing Internet services to the district
- improving communications in the form of local email and web services
- integration of technology into the classroom via in-service and pre-service workshops and peer mentoring

The degree to which student interest has increased in those classes that utilize project-based assignments over the traditional lecture/test has been encouraging. In both professional development activities and in normal classroom activities, the motivation of our faculty has been inspiring. Our faculty reports that projection monitors, presentation software and other tools have been a big benefit in keeping students focused and allowing students to visualize concepts to a greater extent.

As a result of acquiring and utilizing tools for teachers and students that facilitate effective use of time and managing resources we recognize that our existing technologies have become a vital part of our day-to-day operation. Increased communication and collaboration have minimized confusion on everyone's part and has been very helpful.

In our efforts to implement the goals of previous plans, we have sometimes encountered obstacles which surpassed our resources. Sometimes there was the simple lack of funds and other times we shifted our priorities as a result of experience and changing opportunities.

Goals which have not been realized included:

- simplification of support for administrative systems using terminal services
- establishing an annual budget for technology maintenance and acquisition
- improving publishing service by acquiring a binding system
- improving support service for technology
- more fully utilizing video and distance learning technologies

The use of terminal services and thin-client appliances for secretaries, principals, and counselors has been delayed due to lack of support for such service by our principal vendor of student information and accounting software. We have also considered delay of this

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adoption to be prudent until we have fully embraced WAVE and SIF- compliant software.

Availability of funds has become an increasing concern in our district during the last few years as we have seen declines in our enrollment and funding while fixed costs have continued to increase. These combine to aggravate the adoption of an annual budget for technology.

We have long noted that a binding system will meet many needs in the district but this goal has diminished in priority when hard choices had to be made.

Two years ago we employed a full-time technology director and a full-time coordinator for the elementary school. Since then the elementary coordinator has become the principal and the coordinator position has been eliminated. The technology director was asked to assume half day teaching duties as positions were reduced. We presently have a part-time director to support the district's help requests, maintenance, and all other technology needs.

Our high school students have been using our Polycom distance learning equipment for many years as they attend concurrent enrollment classes offered on our campus by regional colleges. We know the equipment could be used collaboratively between local high schools for low enrollment classes, but scheduling, training, and technical issues prevented this usage.

One of the most striking developments in the last two years has been the increased popularity and success of one-to-one deployments. By putting laptop computers in the hands of middle and high school students, schools have effectively increased the time-on-task of students beyond the school day and calendar. Shifting the classroom paradigm from lecture/test to projects-based curriculum and delivery has led to students becoming participants in education instead of observers.

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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

Our content filtering is provided by Bess (N2H2). We will switch in December to their new product called Smart Filter.

Internet Acceptable Use Policy

Acceptable Use Policy

http://www.konawa.k12.ok.us/acceptable_usage_policy.pdf

Board Meeting Agenda and Minutes When CIPA Compliance Last Discussed

Board Agenda for CIPA

http://www.konawa.k12.ok.us/school/administration/agenda_archive/agenda050110.htm

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Appendix

Attachments

Attachment A

Oklahoma 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

Konawa Network Infrastructure

<http://www.konawa.k12.ok.us/school/technology/network.jpg>