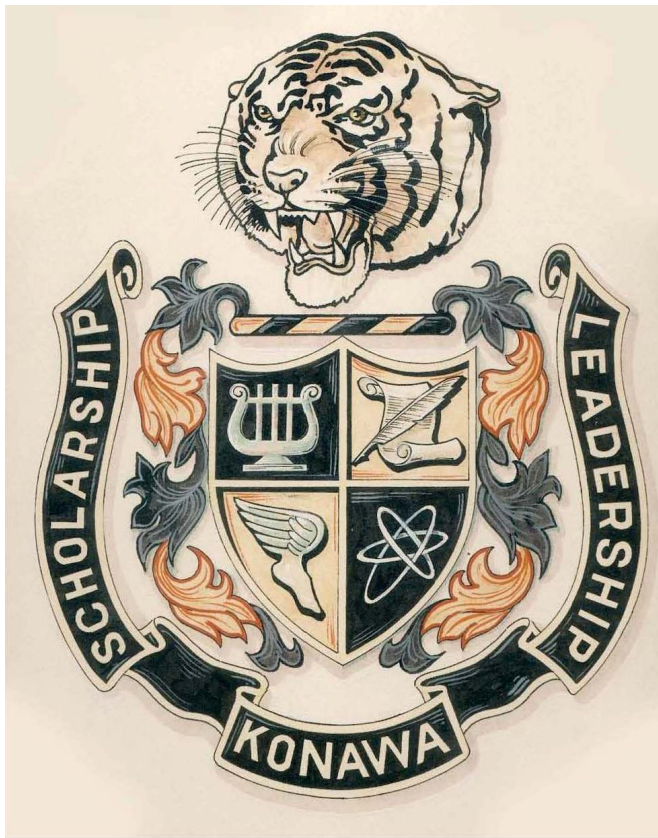


# Technology Plan 2010 - 2013

## Konawa Public Schools Konawa, OK



Konawa Public Schools  
Superintendent: Don Sjoberg, EdD.  
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, 2010 - 2013 Technology Plan

## Introduction

### District Information

**District Name:** Konawa Public Schools  
**County Name:** Seminole  
**County-District:** 67-I004  
**Superintendent:** Don Sjoberg, EdD.  
**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):** 717  
**Number of Certified Staff:** 64  
**Low Income Percentage:** 72  
**Number of School Sites:** 3

### Tech Plan Duration

**Beginning Year:** 2010  
**Ending Year:** 2013

### Technology Committee

Tom Smith, Technology Director  
Larry Marlow, High School Principal  
Andrea Sealock, Elementary School Principal  
Karla Davis, Library Media Specialist  
Darrel Walker, Community/Business Representative  
Jacqui Bray, Faculty Representative  
Stacey Coffey, Parent Representative  
Dellana Bingham, 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

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Introduction

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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."

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Assessment - Existing Inventory

### Operating Systems

**Operating systems used at your district:**

Windows XP Professional, Windows Vista, Mac OS 10.5, Mac OS 10.6

### Computers

**# Servers:**

8

**# Workstations < 3 yrs old:**

148

**# Workstations > 3 yrs old:**

179

**Average # of students to workstation ratio:**

3.7:1

**Average # of teachers to workstation ratio:**

1:1

### Peripherals

**Peripherals installed at your district:**

3 networked copiers, 8 networked laser printers, 6 direct-connect printers, 6 optical scanners, 6 smartboards, 16 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

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Assessment - Existing Inventory

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**# Cell phones:**

8

**# of phone lines:**

18

**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 and Apple iWork productivity, Success Maker integrated learning system, Accelerated Reader, Study Island, Reading Plus, iLife, and Adobe CS3 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 an account with Municipal Accounting Systems. Teachers use Easy Grade Pro Web and Edline to track student progress and to communicate assignments, activities, tests, news and progress to parents. Alexandria library circulation software is used in the Kennedy Library of Konawa. We have a Wave Server.

# Konawa Public Schools, 2010 - 2013 Technology Plan

## 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).

<b>A. Technology Administration &amp; Support</b>	Stage 1	Stage 2	Stage 3	Stage 4
Vision Planning & Policy	████████	████████	████████	
Technology Support	████████	████████		
Instructional Technology Staffing	████████	████████		
Budget	████████			
Electronic Data Support Systems	████████	████████		
Funding	████████			
<b>B. Technology Capacity</b>	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	████████	████████	████████	
<b>C. Educator Competencies &amp; Professional Development</b>	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	████████	████████	████████	
<b>D. Learners and Learning</b>	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	████████	████████	████████	
<b>E. Accountability</b>	Stage 1	Stage 2	Stage 3	Stage 4
Student Technology Essential Learnings	████████	████████		
Administrator Technology Competency	████████			
Teacher Technology Competencies	████████	████████		

# Konawa Public Schools, 2010 - 2013 Technology Plan

## 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 Web to track and report grades and attendance and the Edline parent portal to communicate progress, assignments, and activities to parents and students.

All teachers have computers dedicated for their use. While most of these are desktop computers, twenty-two teachers have laptop computers. Unfortunately, most of these are already more than three years old. Most classrooms have projection equipment for presentations and all teachers have access to presentation software.

Classrooms in grades Pre-K to 5 are equipped with at least three computers and all have Internet access. Grades 4 and 5 have a mobile lab consisting of twenty laptop computers and a printer. The Middle School and High School each have a mobile lab of twenty-five laptop computers and a fixed writing lab of twenty desktop computers. 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. We have recently added Study Island web resources to our core-curriculum areas and Acellus math video instruction for grades four to twelve.

Fourteen nearly obsolete 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. With the exception of the mobile carts, all of our lab computers are aging and will soon be obsolete. 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. Unfortunately, all the computers in this lab are virtually obsolete.

### Identified Needs

The technology needs for our district currently include

- Laptop computers for teachers.
- Replace ILS lab in 4th/5th grade
- Replace classroom computers in grades Pre-K to 8
- Replace library computers
- 24/7 access to technology for students
- Increased level of technical support
- Continue support services for ILS labs (Pearson SuccessMaker)
- Continue curricular support (Study Island, Reading+, AR, Acellus)
- Continue parent communication tools (Edline, EGP Pro Web)
- Replacement cycle for all technology assets
- Increased integration of SmartBoards in classrooms
- Access to curricular videos via Discovery Education

Our vision for the future of our school's technological environment would ultimately place mobile devices 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 a mobile device and access to up-to-date media via the Internet. Instead of worksheets and assignments, much of their work flow would be directed into cross-curricular projects. Our elementary students would continue their use of integrated learning system labs, and are currently incorporating mobile labs in the 4th and 5th grades for classroom projects.

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Assessment - Current Use & Identified Needs

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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. There will still be a need for classroom computers until the one-to-one is accomplished.

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.

The technical support contracts for SuccessMaker provides vital updates and telephone assistance. Without this contract, it will be impossible to maintain a viable lab for SuccessMaker. We also need to be aware of on-going expenses for each of the other web-based or locally hosted programs initiated by the district including: AR, Reading+, Study Island, Accellus, Edline and EGP Web.

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 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. We desire the implementation of a 3 year replacement cycle of faculty and administrative computers and a 5 year replacement cycle of student computers.

Several of our teachers are very interested in the use of SmartBoards in their classrooms. Their desire to use this technology has been expressed in increasing frequency during the last three years. We would ultimately like to provide SmartBoards in classrooms of grades 1 to 5 and all core curricular classes from 6 to 12. Thorough teacher training in the use of SmartBoards is essential.

United Streaming is a video service from Discovery Education which our teachers have previewed for one year and found to be a solid resource to reinforce instruction. Renewal of this service as been a persistent request of faculty for a number of years.

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Assessment - Technologies to be Acquired

Technologies to be Acquired	Enhancement of Teaching	Enhancement of Training	Enhancement of Student Achievement
<i>Basic Maintenance</i>	Ensures all technology is operational for learning activities.	Ensures all technology is operational for learning activities.	Reliable access to technology equipment.
<i>Computer workstations for classrooms and computer labs.</i>	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.
<i>Curriculum software</i>	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.
<i>Electronic White Boards</i>	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.
<i>File server for administrative use.</i>	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
<i>Internet Access using Broadband Circuits</i>	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.
<i>Internet filtering/virus protection annually renewable</i>	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.
<i>Network Cabling and Connectors. Fiber Connections between buildings and/or leased circuits.</i>	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.

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Assessment - Technologies to be Acquired

Technologies to be Acquired	Enhancement of Teaching	Enhancement of Training	Enhancement of Student Achievement
<i>Network Equipment for data distribution (access points, switches, routers)</i>	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.
<i>Notebook computers</i>	Gives teachers flexibility in working environment.	Allows teachers to access the Internet and use computer from various locations including from home	Mobility provided by notebook computers allows greater access 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.
<i>Professional development</i>	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.
<i>Research computers for the library</i>	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.
<i>Server(s)</i>	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.
<i>Student Management Software</i>	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.
<i>Telecommunications</i>	Access to parents and	Adequate access is	Communicating present

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Assessment - Technologies to be Acquired

Technologies to be Acquired	Enhancement of Teaching	Enhancement of Training	Enhancement of Student Achievement
<i>Services, Phone Service, Long Distance, Cell Phones and Pagers, Phone System or Services such as PlexarVoice Mail</i>	to outside sources of educational programming will be maintained. Voice mail will enable messages to be left by parents outside school hours.	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.	student achievement and alerting parents to potential problems is essential to maintaining or improving student achievement.
<i>Training for staff on how to integrate technology into the curriculum</i>	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
<i>Training for staff on new technologies</i>	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.
<i>UPS equipment and backup systems.</i>	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.
<i>Video distribution system</i>	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.
<i>Web hosting-District web site</i>	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

Fifty new laptop computers to be used by teachers. Evaluate the iPad as a mobile device for a one-to-one initiative. Replace servers and software hosting faculty file, web and mail services. Cover campus with

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Assessment - Technologies to be Acquired

Technologies to be Acquired	Enhancement of Teaching	Enhancement of Training	Enhancement of Student Achievement
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adaptive wireless access points. Maintain updates for software and maintenance contracts for SuccessMaker and other programs utilized by district. Replace aging administrative file server. Increase band with by adding two (2) T-1 circuits for a total of four (4) and a new internet router to accommodate the new circuits. Establish a contract with United Streaming for delivery of instructional video services. Acquire a thermal binding machine and replacement of obsolete computers in library.

# Konawa Public Schools, 2010 - 2013 Technology Plan

## 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: \$50,220.00 Budget Y2: \$25,700.00 Budget Y3: \$25,700.00

#### Strategy 1.1.1

Our original goal was to provide three mobile labs for grades 4 through 12. Three mobile labs are now in place. The 4th-5th grade lab has 20 computers while the middle school and high school labs have 25 computers each.

Status: Complete

Timeline: This goal was fulfilled in the Summer of 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 Larry Marlow (high school), Sean Walker (Middle School) and Andrea Sealock (Elementary). Daily duties may be delegated to Laura Doner (Elementary), Kim Terry (Middle School) and Tom Smith (High School.)

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 from teachers and students.

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: The lab servicing grades Pre-K to 3 was replaced in the summer of 2009 and the server software was upgraded from version 1.6 to 1.7.1 in September of 2009. Utilizing bond funds, we intend to replace the lab servicing grades 4 and 5 in the summer of 2010. 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, Andrea Sealock. 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. It is vitally important that these contracts be maintained in order to keep software current and compatible and for the necessary telephone technical support. Trouble shooting is also handled by the technology director, Tom Smith.

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Goals & Objectives

### Strategy 1.1.3

Maintain student and community access to technology by refreshing the computers in the Kennedy Library of Konawa.

Status: Planned

Timeline: Year 1

Responsible Individual/Dept: Tom Smith will install and configure the equipment which will be monitored and scheduled by librarian.

Evaluation Method/Measure of Success: Record of technology usage by students and patrons. Feedback of teachers, students, and patron.

Supporting Resources/Comments: Maintenance and updates will be performed by Tom Smith. Bond funds will be utilized to purchase the equipment.

### Objective 1.2

Improve elementary students' reading skills.

Category: Learners and Learning

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

### Strategy 1.2.1

Use Dibbels testing to assess reading readiness in grades Kindergarten to 4th, three times each year.

Status: In Process

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

Responsible Individual/Dept: Andrea Sealock, 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 Early Literacy..

Status: In Process

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

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

Evaluation Method/Measure of Success: Star Early Literacy is used three times each year in Pre-K to 1st Grade. AR 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.

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Goals & Objectives

### 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, Andrea Sealock. The program is administrated 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

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 1.3.1

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: \$53,300.00 Budget Y2: \$8,000.00 Budget Y3: \$8,000.00

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Goals & Objectives

### Strategy 2.1.1

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

Status: In Process

Timeline: Twenty-five of our faculty have already traded in their desktop computers for laptops in grades 3 to 12. Unfortunately, most of these laptop computers are three or more years old and are rapidly becoming obsolete. We would like to provide a laptop computer to all teachers. Utilizing funds from the bond issue passed in 2009, we now intend to replace the remaining 40 computers used by teachers with either a laptop or desktop as required. We hope to establish a replacement cycle for all computers each five years.

Responsible Individual/Dept: Technology director, Tom Smith, will be responsible for preparing the computers, maintaining the mobile accounts, and will provide pre-service 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 twelve wireless access points which cover most of the campus.

### 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

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Goals & Objectives

### Strategy 2.2.1

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

Status: In Process

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

Responsible Individual/Dept: Don Sjoberg, Superintendent and Federal Programs Director, is responsible for professional development activities, but may choose to delegate details to Tom Smith, Technology Director.

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

### 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. Until the service is funded, we are using podcasts from organizations such as Discovery Channel and National Geographic to fill as many needs as possible as this media is free.

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: \$3,500.00 Budget Y2: \$4,500.00 Budget Y3: \$5,500.00

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Goals & Objectives

### Strategy 2.4.1

Train and support teachers in publishing the activities and events of their classes on the school Edline site. Professional development trainers will be brought to our campus to provide a course as a pre-service in the summer or fall of 2008.

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 additional training as required to teachers.

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

Supporting Resources/Comments: In the fall of 2009, Konawa Public School contracted with Edline to provide web-based grade book (Easy Grade Pro Web) and parent/student reporting (Edline). The district is currently requiring a minimum of two grades and activities per class and posting a report at least once each week. We had an Edline trainer on site in the fall 2009 preservice and publish a newsletter to staff monthly to answer common questions and present information to teachers. Periodic training will be offered as required.

### Strategy 2.4.2

Train and support teachers in publishing information to the school web site.

Status: In Process

Timeline: An introductory session in the Fall of 2006 was followed by a two-day workshop in the Spring 2007. This activity will be continued and enlarged during each of the plan years as teachers gain experience and develop their ideas. Currently a student-created weekly podcast is available on our web site.

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. There are so many time demands on teachers presently that this project is not progressing very rapidly.

### 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

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Goals & Objectives

### 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 documents used in each class to the class edline site. Many teachers currently use word processing documents, presentations, web sites and a variety of other resources in preparing for their class activities. These documents can be sent to Edline as activities, tests, links, etc. with a calendar date attached. This will communicate to students and parents what activities and assignments are expected in each class. Additionally, staff members may also use iWeb to publish their class and organization activities on the school web site.

Status: In Process

Timeline: Each teacher is expected to participate in parent communication using Edline on a weekly basis. An edline pre-service was provided to all certified staff in the fall of 2009. Additional training is being provided throughout the year as needed. In-service sessions were provided in web publishing in the Fall of 2007 and 2008 for each staff member. Support is on-going.

Responsible Individual/Dept: Each teacher would be responsible for preparing and submitting his or her own class activities to the Edline site and to utilize EGP Web for reporting student progress. Building principals would be responsible for the overall activity.

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

Supporting Resources/Comments: The technology director, Tom Smith, would administrate the Edline site and offer assistance to teachers.

## 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

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Goals & Objectives

### Strategy 3.1.1

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

Status: In Process

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

Responsible Individual/Dept: Federal programs director, Don Sjoberg, is responsible for finding and applying for grants. Portions of the work may be delegated to additional faculty members as appropriate.

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: \$3,000.00 Budget Y2: \$4,000.00 Budget Y3: \$5,000.00

### Strategy 3.2.1

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

Status: Planned

Timeline: This activity has been adopted the first year of the plan and continued the follow years.

Responsible Individual/Dept: The building principals would be responsible for monitoring and evaluating teachers posted documents on edline. 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 class activities, and the feedback of parents would be measure of success.

Supporting Resources/Comments: Initial training by Edline staff in fall of 2009. 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.

### Objective 4.1

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

Category: Technology Capacity

Budget Y1: \$34,200.00 Budget Y2: \$36,563.00 Budget Y3: \$35,000.00

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Goals & Objectives

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### 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. Three 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 responsibility. Compensation has not been adjusted for many years.

During the summers of 2007 and 2008, Laura Doner was employed during a few weeks to assist with cleaning, updating, and relocating our technology assets. This action allowed us to accomplish much more than would otherwise been possible. We have proposed assigning Laura an extra duty assignment in order to ensure this assistance each summer and to compensate her in a more reasonable manner.

### 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: In Process

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.

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Goals & Objectives

### Strategy 4.1.3

Support teachers with presentations and engaging learners with interactive white board technology. Beginning with six SmartBoards at the end of the 2008-09 school year, we have added three additional boards during the summer and fall of 2009 for a district total of nine. Funds from the bond issue passed in 2009 will be utilized to provide additional Smartboards. We would like to place an interactive white board in ten classrooms, from 2nd to 12th grade, for all teachers who are dedicated to using them.

Status: In Process

Timeline: During year two of this plan, we intend to install ten additional Smart Boards in 2nd to 12th grade class rooms and train teachers in their use.

Responsible Individual/Dept: Building principals and the technology director will be responsible for assessing needs and placing the Smartboards in appropriate classrooms. Teacher training will be sought from resources at the State Department of Educaiton and/or purchased from Smart Technologies.

Evaluation Method/Measure of Success: Principal observation and teacher feedback will be primary measure of success for this program. Test scores will be compared for classes that do not have the technology to see if an advantage can be measured.

Supporting Resources/Comments: Our campus is presently equipped with nine SmartBoard interactive white boards. Many teachers have seen SmartBoards and similar products at workshops. Several have expressed interest in acquiring the technology. We believe that staff training is vitally important when implementing this technology.

### Strategy 4.1.4

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. Until the service is funded, we are using podcasts from National Geographic and similar sources.

### Strategy 4.1.5

Provide up to date productivity tools to students, teachers, and administrators. This will be accomplished by updating the Microsoft Office, iWork, and Adobe CS3 software on eligible computers in the district.

Status: In Process

Timeline: This strategy has been accomplished during the first year of the plan. It was a long overdue project and resolves issues of incompatible files and obsolete software. Software continuously evolves and should be updated regularly so the process is never completed.

Responsible Individual/Dept: The superintendent and technology director recognized this strategy as a priority for the district. The installation was completed by the technology director in the summer of 2009.

Evaluation Method/Measure of Success: By observing the level of communication between students, teachers, and administrators and the time savings in accessing files and in training

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Goals & Objectives

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and support, building principals can evaluate the result of this planned update.

Supporting Resources/Comments: Staff Development will be offered as a pre-service training opportunity.

### Goal 5

Install and maintain technology that is both manageable and flexible to support the District's learning goals and administrative services.

#### Objective 5.1

District technology must be manageable and flexible to adapt to future growth and technical change.

Category: Technology Capacity

Budget Y1: \$109,370.00 Budget Y2: \$15,000.00 Budget Y3: \$15,000.00

#### Strategy 5.1.1

Servers must be maintained with current software upgrades and components as required.

Status: In Process

Timeline: During the first year of this plan, 2010, we intend to replace critical servers and deploy new services to the district. This include calendar maintenance, blog and wiki services, as well as the existing services of file sharing, email, web hosting, DNS, and DHCP.

Responsible Individual/Dept: Technology Director

Evaluation Method/Measure of Success: Continued reliability and responsiveness of services. Utilization levels of new services.

Supporting Resources/Comments: Resources include consultation and filing for e-Rate discounts on eligible products and services. Bond funds from the 2009 issue will be used to replace servers for faculty and student file services, email, DNS, web hosting, and other services. This is an ongoing process which can never be thought of as "complete." The nature of network services continually evolves along with demands and levels of utilization. The technologies are constantly changing. Critical components such as servers need to be on a replacement cycle of not more than 5 years.

#### Strategy 5.1.2

Improve rack mount systems and ventilation in high school and elementary school interconnects.

Status: Planned

Timeline: Elementary School 2010-2013

High School March 2010 - August 2010

Work began in March, 2010, of contractor placing new units on high school roof. Contractor will return in the summer to alter ductwork. At that time, duct work in High School Rooms 107, 108, and server room need to be altered to improve airflow to server room and thermostat relocated.

Responsible Individual/Dept: Technology Director and Maintenance Personnel

Evaluation Method/Measure of Success: Improvement of space management and environmental requirements as determined by consultant.

Supporting Resources/Comments: Consultation (both network and heat/air contractors) and filing for e-Rate discounts on eligible products and services.

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Goals & Objectives

### Strategy 5.1.3

Replace UPS equipment as need (batteries or complete units).

Status: In Process

Timeline: July 2010 - June 2013

Responsible Individual/Dept: Technology Director

Evaluation Method/Measure of Success: Reliable power conditioning and uptime records.

Supporting Resources/Comments: Consultation and filing for e-Rate discounts on eligible products and services. The life span of batteries and UPS units demand that this strategy be on-going.

### Strategy 5.1.4

Acquire maintenance contracts with consultants on network servers and devices to help with regular update, service, and emergency issues.

Status: In Process

Timeline: July 2010 - June 2013

Responsible Individual/Dept: Technology Director

Evaluation Method/Measure of Success: Service record of reliability of single points of failure and minimized disruption of services.

Supporting Resources/Comments: Consultation and filing for e-Rate discounts on eligible products and services. As of September, 2007, we have been approved for basic maintenance through e-Rate funding and have contracted with RECTech to server support.

### Strategy 5.1.5

Establish replacement cycle for network devices, especially single point of failure components such as routers and switches.

Status: In Process

Timeline: Year one, 2010, is the replacement date for all switches more than 6 years old or those devices that are obsolete. This will include six core switches are reallocating viable assets. Afterwards, replace devices which are 5 years old.

Responsible Individual/Dept: Tom Smith, Technology Director utilizing consultants and other resources as required.

Evaluation Method/Measure of Success: Down time for network, time required for determining cause of failure, prescribing required action, and implementing appropriate corrective measures.

Supporting Resources/Comments: Network consultants DNI (Peder Angvall), RecTech, and Cisco. ERate funding will be utilized where appropriate and available. Bond funds will be utilized for network devices.

### Objective 5.2

Provide adequate Internet Access and Telecommunications to support learning goals and administrative needs.

Category: Technology Capacity

Budget Y1: \$13,500.00 Budget Y2: \$13,750.00 Budget Y3: \$14,000.00

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Goals & Objectives

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### Strategy 5.2.1

Increase our bandwidth by adding two (2) additional T-1 circuits for Internet access and local equipment for hosting school web site and mail services, bringing our total number of circuits up to four (4). This change would also require changing our internet router.

Status: In Process

Timeline: March 2010-April 2010

Responsible Individual/Dept: Technology Director, Federal Programs Coordinator, and Superintendent

Evaluation Method/Measure of Success: Increased performance of internet and distance learning access. Monitor bandwidth usage.

Supporting Resources/Comments: OneNet technical support and other network consultants. E-Rate funding commitment letter was received in November, 2009.

### Strategy 5.2.2

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: July 2010 - June 2013

Responsible Individual/Dept: Superintendent and staff

Evaluation Method/Measure of Success: Continued reliability of voice communications and flexibility of services.

Supporting Resources/Comments: Telcom provider tech support. Apply for E-Rate discounts on eligible services.

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Goals & Objectives: Budget Summary

<b>Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Administration & Support Services	\$3,000.00	\$4,000.00	\$5,000.00	\$12,000.00
Educator Competencies & Professional Development	\$62,400.00	\$18,100.00	\$19,100.00	\$99,600.00
Learners and Learning	\$73,320.00	\$48,800.00	\$48,800.00	\$170,920.00
Technology Capacity	\$157,070.00	\$65,313.00	\$64,000.00	\$286,383.00
<b>Total All Categories:</b>	<b>\$295,790.00</b>	<b>\$136,213.00</b>	<b>\$136,900.00</b>	<b>\$568,903.00</b>

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Budget

Sources of Funds	Year 1	Year 2	Year 3
Donations	\$5,000.00	\$5,000.00	\$5,000.00
E-Rate	\$71,450.00	\$86,581.00	\$46,485.00
General Funds	\$39,000.00	\$45,000.00	\$42,000.00
Grants	\$50,000.00	\$50,000.00	\$50,000.00
Other	\$100.00	\$100.00	\$100.00
<b>Total Sources of Funds:</b>	<b>\$165,550.00</b>	<b>\$186,681.00</b>	<b>\$143,585.00</b>

Technology Expenditures: Items Eligible for E-rate Discounts	Year 1	Year 2	Year 3
Internal Connections	\$32,079.00	\$48,388.00	\$0.00
Internet Access	\$25,372.00	\$26,133.00	\$26,917.00
Maintenance	\$14,570.00	\$15,000.00	\$15,000.00
Telecommunications	\$12,038.00	\$12,399.00	\$12,771.00
<b>Total Erate Eligible items:</b>	<b>\$84,059.00</b>	<b>\$101,920.00</b>	<b>\$54,688.00</b>

Non-Erate Items	Year 1	Year 2	Year 3
Hardware, such as computers, printers, fax machines, video equipment, scanners, CD-ROM drives and servers	\$36,000.00	\$38,000.00	\$40,000.00
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	\$12,947.00	\$15,018.00	\$17,089.00
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
<b>Total Non-Erate Items:</b>	<b>\$79,947.00</b>	<b>\$84,018.00</b>	<b>\$88,089.00</b>
<b>Total Technology Expenditures</b>	<b>\$164,006.00</b>	<b>\$185,938.00</b>	<b>\$142,777.00</b>

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Evaluation

### 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

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Evaluation

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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:

- providing Internet services to the district
- providing three mobile computer labs for grades 4-12
- increased bandwidth from ISDN to two T-1 connections
- 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 laptops, software, projection monitors, and digital cameras
- improving and supplying printing services
- improving communications with parents via Edline and EGP Web
- integration of technology into the classroom via in-service and pre-service workshops and peer mentoring
- upgrading productivity software
- increasing the number of Smartboards in classrooms

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:

- establishing an annual budget for technology maintenance and acquisition
- implementing a replacement cycle for technology devices
- implementing a one-to-one initiative in which each student has access 24/7 to a mobile device with internet services
- improving publishing service by acquiring a binding system

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Evaluation

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- improving support service for technology
- more fully utilizing video and distance learning technologies
- supply teachers with instructional videos

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. The district has not been successful in recent years in grant awards. These combine to compel the adoption of an annual budget for technology.

While there has been a history of viewing technology as an unfortunate drain of funding, in the last two years we have made significant progress in realizing some of our plan goals. In particular, we have replaced many lab computers and updated our mission critical software. In 2009, the district passed a bond issue that included a technology component. We these funds we intend to replace teacher computers, replace the 4th/5th grade lab, replace servers and aging network devices, and supply several additional interactive whiteboards. We realize the supporting technology requires an on-going commitment.

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.

Five years ago we employed a full-time technology director and a full-time coordinator for the elementary school. When our elementary coordinator became the principal the coordinator position was eliminated. The technology director also had 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. It is very helpful that we have been able to provide an assistance for a few weeks each summer.

One of the most striking developments in recent years has been the increased popularity and success of one-to-one deployments. By putting mobile devices 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. We intend to evaluate a new mobile device, the iPad, as a vehicle for meeting these needs of students.

We hope that implementing the services with Edline and EGP Web will help us improve communications with parents and offer them a timely and useful way to stay in touch with student progress and activities. The first year will be a learning experience for everyone involved, but we hope by the second year to have a viable parent portal to school information.

Improvements in server software have made many collaborate technologies possible to schools such as collaborative calendar scheduling and WIKIs. While we see many opportunities to deploy these technologies in our district, lack of time available to teachers to train and implement these technologies have prevented us from more fully utilizing them.

# Konawa Public Schools, 2010 - 2013 Technology Plan

## CIPA (Children's Internet Protection Act) Compliance

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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

We use NetScreen to filter web content. The Juniper firewall is utilized to implement this service.

### Internet Acceptable Use Policy

Acceptable Use Policy

[http://www.erate470.com/tpc/documents/cipa2\\_01W80K0WRX.pdf](http://www.erate470.com/tpc/documents/cipa2_01W80K0WRX.pdf)

[http://www.konawa.k12.ok.us/acceptable\\_usage\\_policy.pdf](http://www.konawa.k12.ok.us/acceptable_usage_policy.pdf)

### Board Meeting Agenda and Minutes When CIPA Compliance Last Discussed

CIPA board agenda and minutes October, 2006

[http://www.erate470.com/tpc/documents/cipa3\\_12QB0MVILC.doc](http://www.erate470.com/tpc/documents/cipa3_12QB0MVILC.doc)

# Konawa Public Schools, 2010 - 2013 Technology Plan

## Appendix

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### Attachments

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#### **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**

Konawa Network Infrastructure

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