

Technology Plan 2014 - 2017

**Vanoss Indep School District 9
Ada, OK**



Vanoss Indep School District 9
Superintendent: Marjana Tharp
Mailing Address: 4665 County Rd 1555
City, State Zip: Ada, OK 74820-4149

Contact Person: Beverly Rambo, Technology & Library Media
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Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Introduction

District Information

District Name: Vanoss Indep School District 9
County Name: Pontotoc
County-District: 62-1009
Superintendent: Marjana Tharp
Mailing Address: 4665 County Rd 1555
Ada, OK 74820-4149

Contact Information

Contact Name: Beverly Rambo
Contact Title: Technology & Library Media
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Contact Phone: 580-759-2494 x 113
Contact Fax: 580-759-8916

Demographics

Average Enrollment (ADM): 523
Number of Certified Staff: 42
Low Income Percentage: 64
Number of School Sites: 2

Tech Plan Duration

Beginning Year: 2014
Ending Year: 2017

Technology Committee

Marjana Tharp, Superintendent
Gary Stidham, Principal
Beverly Rambo, LMS & Technology
Amy Cantwell, Teacher/Parent
John Impson, Teacher/Parent
Linda Marks, Lower Elementary Teacher
Sarah Francois, Middle School Teacher
Deana Anderson, School Board Member
Deborah Oliver, Voc. Bus. Teacher
Charles Hill, Principal
Beth Walker, Principal
April Golden, Parent
Susan Rindal, Parent/Teacher
Carla Henry, Technology
Robert Grigg, Parent
Ricky Joe Phillips, High School Student

Executive Summary

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Introduction

Vanoss School is located in the Northwest quadrant of Pontotoc County in Southeastern Oklahoma. It is situated 15 miles west of Ada, the county seat.

Vanoss is a rural school district with an enrollment of about 523 PK-12th grade students. The district covers 146 square miles.

The district employs 1 superintendent, 2 principals, 42 certified staff and 30 support personnel. Approximately 65% of the certified staff hold advanced degrees.

There are a total of 9 buildings (including newly added Ag Ed barn) which are combine to make up the Vanoss campus. All buildings are connected with a combination of fiber and Cat 5 cabling except for the newest addition. The LAN reaches the gym, baseball complex, and old Agriculture buildings, along with all classrooms, offices, labs, library and cafeteria. Currently we have two separate LANS. Future plans for the recently annexed Pickett-Center campus are still undecided. The project to install fiber circuits between Vanoss and P/C has been put on hold at this time. Regardless of the outcome in regards to this acquisition, technology will continue to be used more and more. Technology is more than links and devices; it is the heart of the educational process at Vanoss.

The aim of this plan is to increase the use of current and future technologies with the intent of enhancing learning as well as teaching.

Vision

This plan conveys the Vision Statement of Vanoss School and its belief in technology and the PK-12 instructional goals as they relate to technology skills. Vanoss School hopes to provide equitable access through the use of technology to enable students to become lifelong learners. In the current information age, this means turning regular classrooms into modern settings for learning. The school is committed to graduating students who possess the skills needed to succeed in an increasingly complex information world. Students of this world will be required to process and manipulate greater amounts of information. Their abilities to do so will be an important determiner of their individual economic success. Electronic communication is at the very core of this success. Therefore Vanoss Public School's vision is to graduate students who are proficient in all aspects of technology, and to be an educational leader, with world-class learning opportunities, providing all students and teachers with the knowledge and skills necessary to exercise the rights and responsibilities of citizenship, and with the ability to thrive in an international contemporary economy.

A. All students will have equal and adequate access to comprehensive information resources.

B. All educators will have the technology, tools and resources they need to provide students with superior knowledge and job skills.

Mission

The mission of Vanoss Public Schools is to inspire young minds to think, to learn, to grow and to become the best they can be as they develop the skills necessary for independent, life-long learning. Our Motto: Enter to Learn; Leave to Serve.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Assessment - Existing Inventory

Operating Systems

Operating systems used at your district:

Combination- Windows 2003; 2008 servers; combination of Windows XP and Windows 7 at the workstations.

Virtual Software (Y/N)?

n

Computers

Servers:

6

Workstations < 3 yrs old:

311

Workstations > 3 yrs old:

89

Average # of students to workstation ratio:

1:1

Average # of teachers to workstation ratio:

1:1

Peripherals

Peripherals installed at your district:

Accel.Math Scanner 15
AverKey 19
Barometer 1
Buzzer System 7
Calculator/Ranger/TI 98
Camcorder 8
Cassette Players 12
CBL Systems 8
Cell Phones 6
Computers 400(311 less than 3 yr old)(89 more than 3 yr old)
Copiers 10
Digital Cameras 24
Digital Microscopes 15
Document Camera 25
Dukane Screen Projectors 2
DVD/VCR PLAYER 13
External Floppy Drives 11
External Speakers 12
Filmstrip Projectors 4
Flip Cameras 5
Gas Sensor 2
GPS Units 8
HP Printers 68
Ipads 27
LCD Projector 38
MacBook 1

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Assessment - Existing Inventory

Overhead Projector 15
Palm Pilot 1
PC Camera 3
Record Player 3
Scanner 12
Servers 7 (+6 old off-line)
Slide Projector 3
Smartboards 35
Sound Mixer 1
Spotlight 2
Stereo Combo [boom boxes] 16
Student Response System 6
Talkabout PA System 1
Turbity Sensor 1
TV 17
TV/VCR COMBO 4
VCR 16
Wireless Access Points 50
WriterLab (teaches typing/writing)30

Other

Describe Educational use of Video

We no longer participate in distance learning. Discovery Streaming video (formerly-united streaming) is widely used. Teachers and administrators occasionally participate in webinars and SKYPE.

Other technology hardware:

Distance Learning Equipment was dismantled summer of 2011. PVBX installed school year 2007-08 complete with 68 cameras; includes DVR capability-it was expanded spring/summer of 2012 with 1 additional DVR and 24 more cameras. We continue to maintain 45 Wireless Access Points which came on line in the summer 2012 to make our entire campus wireless.

Networks: Local or Wide Area

Network Connectivity:

There are 7 buildings connected by fiber to the main hub located in Rm. 208 of the High School building. In counting the buildings consideration was given to the very large addition of the library complex, along with the new MS addition (new 2010) which both are counted as additions to the existing HS building. Beginning July 1, 2011 Pickett/Center (PK-8) annexed with Vanoss. At this time there is no connectivity between the two campuses. A gigabit connection between the two campuses was requested on an earlier e-rate application; however, since then the use of the building has been deemed not cost/effective and the circuit was not installed, and currently there are no plans to do so. A new agriculture barn is in the final stages of completion. There are 2 phones lines being installed this month to satisfy the fire marshall's demand for an alarm system to extend into that building. No other technology is projected for this building.

Bandwidth

Bandwidth speed of Internet Connection

100 Mbps

Bandwidth speed of Local Area Network (LAN):

1000 Mbps

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Assessment - Existing Inventory

Bandwidth speed of Wide Area Network (WAN):

100 Mbps

Telephone Access

Cell phones:

7

PRI:

0

of phone lines:

12

Internal Phone System:

PBX system connecting all buildings w/ voice mail

Email

Email Usage of District:

E-mail used by teachers and administration to communicate with each other, the State Dept. of Ed, parents and many others. E-mail is used by students only during teacher-monitored class projects, or when communicating w/a college professor for on-line classes, etc. These students make application and with administrative approval are granted e-mail privileges; this is an increasing number of HS students.

Software Applications

Software Applications Installed:

- A+ Software
- Accelerated Math
- Accelerated Reader (All 'RenPlace' software was converted summer of 2013 to web-access)
- Adobe Pagemaker
- Adobe Reader 8
- AVG Antivirus and Anti-Spyware
- Essential Skills)
- Click and Learn On-Line
- Conerstone 4.1 (Reading, Language Arts, & Math)
- Curriculum Related Software (accompanies textbooks)
- Destiny Library Software
- Digital Juice
- DreamWeaver
- EdMark Reading Program
- Essential Skills (formerly Basic Skills)(Upgraded and added to Spring 2012)
- ExamView
- Houghton Mifflin Math
- Internet Explorer
- K-2 Learning Milestones
- Kurzweil
- LAN School & TLC/School Connect
- MAS (Administrative Software)
- MathFacts in a Flash (another RenPlace product-went online summer 2013)
- Merlin Messenger (phone interface w/Exchange Server)
- Microsoft Office 2003& 2007 & 2010

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Assessment - Existing Inventory

MicroType
Mozilla Firefox (portable)
Odysseyware On-line classes
PAWS Typing
SEAS (Special Education Software)
SIRS (Social Issues Resource Series)
Skills Bank (grades 6-adult)(Reading, Language Arts, Math, Science, Writing, Information Skills)
Sonic Wall*
STAR Early Literacy (all STAR (RenPlace)-went online summer 2013)
STAR Math
STAR Reading
Study Island
TeacherEase
Windows 2003(Servers) Windows XP at workstations; Windows 7 (on all new pcs)
Winway Resume

School Information Management System

Student Information System:

Municipal Accounting System: implemented I-SIS summer 2011.

Vanoss Indep School District 9, 2014 - 2017 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).

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	■	■	■	

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Assessment - Current Use & Identified Needs

District's Current Use of Technology

All students and staff have equal access to technology.

Students use technology to develop learning and workplace skills through the use of current technology such as word processing, keyboarding, spreadsheets and multimedia.

They use search strategies to retrieve information through the use of various electronic sources. They are encouraged to be good digital citizens and to avoid behavior which results in negative consequences and to observe personal on-line safety. Students use the acquired information as they synthesize, arrange, display, and share.

Students & staff access the library collection through the on-line catalog.

Students communicate visually, graphically and artistically by creating & sharing multimedia presentations.

Teachers are using technology to align the curriculum, learn new CCS, interpret test data, and apply the data to improve student learning. They are using more authentic teaching tools and trained to do so. Gear-Up is a proven partner in our training as others.

Teachers track student progress by accessing curriculum software.

Teachers & staff use technology for student accounting and cafeteria software and purchases to record grades, absences, lesson plans, templates-forms, and inventory.

Parental on-line access to student grades is currently implemented: phase I and II are completed and all grades 5-12 have secure access.

Teachers integrate technology in all areas by creating interdisciplinary projects.

I-pads are also being used by some teachers and all administrators. For the first time this year, we have added an iPad Cart complete with a MacBook (configurator) and 20 iPads for student use. Evolving teacher evaluations will be documented on them. The use of Ipads will definitely increase in the near future as we branch out and put them more into the hands of students. Wireless access points are distributed throughout the Vanoss campus. Wireless devices are becoming increasingly common. Staff members communicate via intercom, computer networks and telecommunications by e-mail, voice mail, and text messaging. Our entire bus fleet activity is monitored-live via GPS and wireless devices. The Vanoss Reader Board interfaces with our LAN; School Messenger is being implemented this fall (2014)[which robo-calls Parents with alerts]. LAN-School and TLC were upgraded this summer (2014). TLC-SchoolConnect Version 6.1 is IBM's latest release of a sophisticated yet easy-to-use classroom management software for K-12 schools. LANSchool is an additional component bundled with TLC allows teachers and network administrators to view, broadcast, block, freeze, demonstrate, co-browse, plus many other features which give educators control over students' online activities and help them stay on task.

Identified Needs

Staff development must be regular, specific, and timely.

Curriculum development in the area of technology must be done to outline a PK-12 technology sequence.

Revise curriculum guides to reflect technological goals, objectives, and values inherent in the technology plan.

Budget must be sufficient to accommodate a rotating replacement schedule for computers, devices, and peripherals; a four-year plan is ideal.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan Assessment - Current Use & Identified Needs

Continue to communicate in regard to new technological advances for all students and staff.

Continue to communicate in regard to new purchases and advances in technology.

District technology must be manageable, flexible, maintained, and adaptable for future growth.

Upgrade internet access from 10 Mbps to 100 Mbps during the 14-15 school year.

Vanoss Indep School District 9, 2014 - 2017 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>Digital camera and/or digital video camera and LCD projector</i>	Teachers will use digital camera/video recorder to record student activities, projects and other instructional activities. LCD projectors enable teachers to project computer images onto a screen for classroom use	Digital images and LCD projectors are excellent training aids.	Students will be motivated to see their achievements on the district's web site. Digital images can be used in student projects and to make instructional presentations more interesting.
<i>Distance Learning Equipment & Software / Conferencing Services</i>	Allows the school district to offer courses to meet specific students' needs. Access to conferencing services will enable wider access to educational resources.	Teachers can access a wide variety of training using the distance learning system. Conferencing services will enable the use of providers of training from anywhere in the US.	Students will be able to take the courses and participate in new learning experiences they need to meet curriculum objectives.
<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>Email Services</i>	Email provides additional communication with parents and outside sources.	Email provides written record of communication for future reference and clarification.	Email for students will be provided as needed for special projects involving collaboration and written communication.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Assessment - Technologies to be Acquired

Technologies to be Acquired	Enhancement of Teaching	Enhancement of Training	Enhancement of Student Achievement
<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>Firewall-Data Protection</i>	A firewall will protect the network from intrusions from hackers and others and will keep the network operational.	The existence of the firewall will insure that the network is up and running in a safe environment for use in training and delivery of access to educational resources.	Students can safely use the network being protected from those who would harm them or the network.
<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>Netbooks, iPads, e-readers, etc.</i>	Portable learning devices will be used as an instructional tool providing access to the Internet to expand the learning environment past the walls of the classroom or lab.	Portable learning devices will be used as a learning and productivity tool for teachers. Software and Apps will be available to keep student records, prepare lessons, prepare information for parents and as an untethered teaching and communication tool.	Students will use portable learning devices to research topics and complete assignments which require computer and/or Internet access outside of school hours. They will also reinforce classroom/lab learning.
<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.
<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	New uses of the network will provide new learning opportunities for both staff and students.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Assessment - Technologies to be Acquired

Technologies to be Acquired	Enhancement of Teaching	Enhancement of Training	Enhancement of Student Achievement
		used to upgrade skills.	
<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>Printers and fax machines</i>	Enables teachers to print documents for use in class. Fax machines provide means for sharing documents throughout the district and with outside stakeholders.	Printed documents provide reference materials for use in training.	Students will use printed materials for reference and to complete coursework.
<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.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Assessment - Technologies to be Acquired

Technologies to be Acquired	Enhancement of Teaching	Enhancement of Training	Enhancement of Student Achievement
<i>Telecommunications Services, Phone Service, Long Distance, Cell Phones and Pagers, Phone System or Services such as PlexarVoice Mail</i>	Access to parents and to outside sources of educational programming will be maintained. Voice mail will enable messages to be left by parents outside school hours.	Adequate access is necessary for arranging training sessions and following up with training recommendations. The ability to retrieve messages from parents will be sure that they remain fully involved in the educational process.	Communicating present student achievement and alerting parents to potential problems is essential to maintaining or improving student achievement.
<i>Training for staff on distance learning equipment</i>	Staff will use the distance learning equipment to access new learning activities.	Teachers will be successful users of the distance learning system.	Students will have new learning opportunities.
<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>Voice over IP system with messaging</i>	Access to parents, community and stakeholders. Voice messaging can be utilized to increase	Efficient and reliable communications will support training programs.	Communication throughout the district and with parents and the community is essential for meeting the curriculum

Vanoss Indep School District 9, 2014 - 2017 Technology Plan Assessment - Technologies to be Acquired

Technologies to be Acquired	Enhancement of Teaching	Enhancement of Training	Enhancement of Student Achievement
	communications.		objectives for our students.
<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

Want List:

School Messenger- to enhance communication capabilities particularly with parents.[Currently we are in the process of phasing in School Messenger.]

Most of the items formerly on this list have been acquired. We are 12-24 months away from needing new servers and switches. Plus we need to continue our practice of retiring the oldest computers and technologies by replacing them with new; Targeting 10-15% as a minimum guideline. Update to 100 Mbps broadband. One of our greatest needs is personnel help to maintain the growing "techno-inventory".

We will also phase in more wireless devices in the near future, while guarding our limited bandwidth for primarily academic purposes specifically during the school day.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Goal 1

Provide ongoing, sustained professional development for teachers, principals, administrators, and school library media personnel to further the effective use of technology in the classroom or library media center.

Objective 1.1

The district will use technology to coordinate the connection and sharing of all educational resources among all buildings and district personnel. Annual technology updates will be part of the in-service training.

Category: Educator Competencies & Professional Development

Budget Y1: \$1,000.00 Budget Y2: \$1,200.00 Budget Y3: \$1,200.00

Strategy 1.1.1

Provide information to teachers on location of technology , such as, scanners, printers, DVD burners, Student Response Systems, SmartBoards, iPads, etc.

Status: In Process

Timeline: Ongoing and fluid.

Responsible Individual/Dept: The library media center tracks equipment with barcodes and checks out equipment to staff members.

Evaluation Method/Measure of Success: Utilization of technology by all teachers.

Supporting Resources/Comments: Inventory lists available for printout.

Strategy 1.1.2

Maintain the shared network drive that is accessible from all workstations on the LAN, and upgrade connections as needed.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology director shall oversee new implementations.

Evaluation Method/Measure of Success: Shared software and data will continue to eliminate duplication.

Supporting Resources/Comments: Network drive space; e-mail communication by all.

Strategy 1.1.3

Network software will be bought when appropriate instead of single user versions. All software purchases must be approved by technology director or technology committee.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology Director

Evaluation Method/Measure of Success: More efficient use of technology funds. Eliminate duplication of software.

Supporting Resources/Comments: Software Inventory lists. Software approval process.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Objective 1.2

Staff development. Train teachers to use the technology.

Category: Educator Competencies & Professional Development

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

Strategy 1.2.1

Setup and maintain e-mail accounts for all teachers and staff.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology Director

Evaluation Method/Measure of Success: All teachers have e-mail accounts. Group lists are maintained and updated on the Exchange Server. Old accounts are deleted.

Supporting Resources/Comments: Maintain secure listing of all teachers, e-mail addresses, and usernames. Strongly suggested that Passwords are robust and routinely changed.

Strategy 1.2.2

Provide training for teachers on use of classroom performance system (CPS) student response pads, SmartBoards, Ipads, and any other new technologies.

Status: In Process

Timeline: August prior to each school year: 2014, 2015, 2016, and 2017 (or during professional days throughout the year as required).

Responsible Individual/Dept: Team Leader approach, for example: teachers or administrators who have experience with newer technology such as, CPS units, DVD burners, SmartBoards or iPads will train novice teachers.

Evaluation Method/Measure of Success: Continuous use of CPS Systems, SmartBoards, iPads, and other newly implemented technologies.

Supporting Resources/Comments: Training material. When purchasing new units consideration will be given to existing brands, ease of use, cost, and wireless capability (when appropriate). Vendors may also be used for training purposes.

Strategy 1.2.3

Provide updates to technology for teachers to teach specific uses of technology: on-line grade book, and other new technologies.

Status: In Process

Timeline: Once per Semester: 2014-2015, 2015-2016, 2016-2017 or more as needed.

Responsible Individual/Dept: Technology Director and Staff Development Committee

Evaluation Method/Measure of Success: Technology proficiency of teachers. Staff Development sign-in sheets.

Supporting Resources/Comments: Training materials. Develop training calendar with Staff Development Committee. Incorporate as many outside sources of revenue and expertise as possible. Gear-Up, federal Title programs, and Pontotoc Technology Center are all good examples of this type of collaboration.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Objective 1.3

Administrative staff will gain necessary skills to use technology to improve administrative and management effectiveness.

Category: Administration & Support Services

Budget Y1: \$1,100.00 Budget Y2: \$1,100.00 Budget Y3: \$1,100.00

Strategy 1.3.1

Identify training needs for administrative staff in office and management software.

Status: In Process

Timeline: April-June prior to each school year: 2014 - 2017

Responsible Individual/Dept: Technology Director and/or administrators.

Evaluation Method/Measure of Success: Training needs for administrative staff clearly identified.

Supporting Resources/Comments: Technology survey

Strategy 1.3.2

Provide training for administrative staff based on needs survey to include student information management system, e-mail, MicroSoft office, MAS accounting, etc.

Status: In Process

Timeline: June-July prior to each school year: 2014 - 2017

Responsible Individual/Dept: Technology Director and/or administrative team.

Evaluation Method/Measure of Success: Technology proficiency of administrators and staff. Training sign-in sheets.

Supporting Resources/Comments: Training materials. Need to develop training calendar for summer. Reserve lab for classes.

Strategy 1.3.3

Principals will use e-mail distribution lists to inform staff of upcoming weekly/monthly events.

Superintendent will use technology to distribute the yearly school calendar. The website and message board are additional communication tools. Phones, texting, and voice mail are intricate to this process as well.

Status: In Process

Timeline: Superintendent will be responsible for yearly school calendar. Principals will use weekly bulletins and monthly calendars. For each school year: 2014 - 2017. Will update as needed. Monthly school calendars will be posted on school website by Technology team.

Responsible Individual/Dept: Superintendent, principals, technology team

Evaluation Method/Measure of Success: Better communication

Supporting Resources/Comments: E-mail accounts for all staff. Phones/texting/voicemail are important part of the distribution of information. Website and message board updated as needed.

Goal 2

Identify and promote curricula and teaching strategies that integrate technology effectively into curricula and instruction based on a review of relevant research and leading to improvements in student academic achievement.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Objective 2.1

Teachers will gain the necessary technology skills to insure student mastery of grade level technology competencies.

Category: Educator Competencies & Professional Development

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

Strategy 2.1.1

Provide training on integration and cross curricular activities in all subject areas.

Status: In Process

Timeline: During school year: 2014 - 2017

Responsible Individual/Dept: Technology Director, Chairman of Professional Development Committee, Department Chairs.

Evaluation Method/Measure of Success: Teachers will integrate technology in the curriculum. Staff Development sign-in sheets.

Supporting Resources/Comments: Research based training materials purchased with funding from Title II Part D, Title V, and general funds. Partnerships will continue with Gear-up from both OU and ECU, along with Pontotoc Technology Center. Vendors will also be sought to do additional training on new purchases.

Strategy 2.1.2

Keep teachers informed of new and existing software for their use on the network.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology Director

Evaluation Method/Measure of Success: Utilization of technology by all teachers

Supporting Resources/Comments: E-mail distribution list. List of software inventory.

Strategy 2.1.3

District will incorporate National Educational Technology Standards for Teachers (NETS-T) adopted by the Oklahoma State Dept. of Education in district expectations for effective teaching and learning.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology Director, Chairman of Professional Development Committee, Department Chairs.

Evaluation Method/Measure of Success: Analysis of district initiatives and documents. Analysis of self-assessments. Observation.

Supporting Resources/Comments: Provide faculty, staff, and administration with copy of NETS-T and educational technology standards for teachers.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Strategy 2.1.4

Teachers may attend classes offered by Pontotoc Technology Center and OK State Department of Education to increase educator competencies and learn new strategies for collaboration and integrating technology into the curricula.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Administrators, Technology Director, and Staff Development Chairperson

Evaluation Method/Measure of Success: Technology proficiency of teachers; Course completion certificates

Supporting Resources/Comments: To be determined.

Objective 2.2

Technology will be used to encourage and support joint development and dissemination of curriculum.

Category: Educator Competencies & Professional Development

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

Strategy 2.2.1

Teachers will work together to prepare collaborative projects in all core subject areas.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology Director, Library Media Technology, Department Chairs, Curriculum Planner, and teachers.

Evaluation Method/Measure of Success: Technology will be integrated into the curriculum; Observation

Supporting Resources/Comments: E-mail, voice & video communications.

Strategy 2.2.2

Teachers will require students to participate in collaborative projects.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology Director in coordination with classroom teachers.

Evaluation Method/Measure of Success: Students will use skills in different subject areas to successfully prepare a cross-curricular project.

Supporting Resources/Comments: Use existing tools.

Goal 3

Provide equal access to technology for all students, faculty, and administrators including students who may have disabilities or are economically disadvantaged.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Objective 3.1

All students, teachers, staff and administrators will have equal access to technology.

Category: Administration & Support Services

Budget Y1: \$500.00 Budget Y2: \$1,000.00 Budget Y3: \$1,100.00

Strategy 3.1.1

Every teacher will have a working computer connected to the network in their classroom.

Status: In Process

Timeline: Computers installed in all teachers classrooms. Maintenance on-going.

Responsible Individual/Dept: Technology Director

Evaluation Method/Measure of Success: Easy access for students and staff will increase use and opportunity to use technology.

Supporting Resources/Comments: Standard Network/Internet ready computer installed in each classroom. Each teacher assigned login and password. Effort will be made to keep pc's up-to-date. A few spare working computers will be used to avoid downtime.

Strategy 3.1.2

Library (20 pc's); plus 20 laptops, and Rm 211 Lab (w/41 pc's); HS Business Lab (25 pc's) ; Rm 217 used primarily for keyboarding 20 mix pc's and laptops; mini-lab with 20 pcs for overflow; and 36 additional laptops-spread out through the MS and HS to accomodate both scheduled classes and flexible scheduling in 30-45 min. blocks. In the labs and the library, teachers have a fixed schedule for their classes, but may request and schedule additional times.

Status: In Process

Timeline: Both a fixed and flexible schedule will be used in regard to all computers in labs and in the library.

Responsible Individual/Dept: Technology Director/Library Media Staff/ Computer Lab Staff in cooperation with teachers and administrators.

Evaluation Method/Measure of Success: Utilization of all computers on campus.

Supporting Resources/Comments: No additional resources needed.

Strategy 3.1.3

Increase computer lab use by increasing hours open to students. During any extended hours, students w/classroom work will be given first preference to use computers in labs.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology Director, Library Media Staff, and Computer Lab Staff in cooperation with teachers and administrators

Evaluation Method/Measure of Success: Weekly tracking of students access to computers; see schedules and planning books for documentation.

Supporting Resources/Comments: Assistants will be available from 7:45 am - 3:30 pm to assist students in the library/labs w/computer access. After school teachers may extend the hours to 5:30pm on select days.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Objective 3.2

District will ensure that technology is accessible to all students, including those with disabilities and those who are economically disadvantaged.

Category: Learners and Learning

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

Strategy 3.2.1

Make technological provisions for special needs students.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology Director and Special Education Director

Evaluation Method/Measure of Success: All students have equal access to technology; Accessibility Analysis

Supporting Resources/Comments: Special needs software and equipment.

Strategy 3.2.2

Ensure access to on-line curriculum and advances in technologies to provide resources for special needs students.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology Director, Special Education Teachers

Evaluation Method/Measure of Success: Improvement in academic achievement of high needs students. Utilization of advanced technologies, such as Kurzweil and e-books.

Supporting Resources/Comments: Identify advanced technologies needed. To be determined.

Strategy 3.2.3

Make technology available during school and after hours for economically disadvantaged students who may not have access to computers at home.

Status: In Process

Timeline: Library computer open from 7:45 a.m. - 3:30 p.m. daily. Computer Lab and library may be opened until 5:30 pm under the direction of the library staff or After-School teachers.

Responsible Individual/Dept: Technology Director, Library Media Specialist, after School Teachers

Evaluation Method/Measure of Success: Utilization of technology by high needs students during school and after hours. Sign-in sheets.

Supporting Resources/Comments: Computers available after hours.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Strategy 3.2.4

Provide training for teachers on effectively integration technology into curricula and instruction for high needs students.

Status: In Process

Timeline: Summer in-service training prior to each school year: 2014-2017.

Responsible Individual/Dept: Technology Director, Chairman of Professional Development Committee.

Evaluation Method/Measure of Success: Improvement in academic achievement of high needs students. Training sign-in sheets.

Supporting Resources/Comments: Training material; Federal, state funding and local funds

Goal 4

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

Objective 4.1

District technology must be manageable and flexible to adapt to future growth and technical change. Most are requested and paid with E-Rate funding.

Category: Technology Capacity

Budget Y1: \$2,000.00 Budget Y2: \$2,000.00 Budget Y3: \$2,000.00

Strategy 4.1.1

Standardize wiring: fiber runs to each wiring closet. Switches scheduled for upgraded between 2014-2017.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Technology Director

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

Supporting Resources/Comments: File for E-rate discounts on eligible products/services. Implementation may be delayed depending upon arrival of funding (or lack thereof).

Strategy 4.1.2

Servers scheduled for replacement during summer of 2014-15 along with switches. Wireless access points will be maintained throughout the entire campus. Replacement schedule is every 3-5 years as can be afforded.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Technology Director working w/Computer Engineer (advised by Tech Committee)

Evaluation Method/Measure of Success: Increase in reliability of the network and expansion to include new technologies as they become available and affordable.

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

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Strategy 4.1.3

Increase electrical capacity and ventilation as needed. Install/replace uninterruptible power supplies (UPS) as needed to protect all hardware. Additional electrical capacity added to server room. Other additions will be made as needed, for example, new computer lab will be more than doubled in size; electricity will be added; central heat and air will be installed.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Technology Director

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

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

Objective 4.2

Create and maintain a complete inventory of installed technology.

Category: Technology Capacity

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

Strategy 4.2.1

Maintain the database with current inventory.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology Director, Library Media Specialist

Evaluation Method/Measure of Success: Current technology asset list will provide identification of hardware needs and obsolete equipment.

Supporting Resources/Comments: Use existing resources (library-software).

Strategy 4.2.2

Keep maintenance logs on computer hardware.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Technology Director and/or Library Media Specialist

Evaluation Method/Measure of Success: Maintenance logs will be used to analyze recurring problems and plan for preventive maintenance, upgrades and replacements.

Supporting Resources/Comments: Use existing resources (library-software).

Objective 4.3

Provide adequate Internet Access and Telecommunications to support learning goals and administrative needs. Within the next 2-3 years, the PBX will require an upgrade.

Category: Technology Capacity

Budget Y1: \$77,943.00 Budget Y2: \$80,281.00 Budget Y3: \$82,689.00

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Strategy 4.3.1

Upgrade and maintain 100 Mbps connection.

Status: Planned

Timeline: 2014-15 school year

Responsible Individual/Dept: Technology Director

Evaluation Method/Measure of Success: Adequate Bandwidth

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

Strategy 4.3.2

Maintain voice communications as needed to provide access to local and long distance telephone, and cellular service. Evaluate for potential upgrades as needed.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology Director

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

Supporting Resources/Comments: Apply for E-Rate discounts on eligible services including annual maintenance. The current PBX has 2-3 years remaining on its life expectancy. Plans need include an upgrade within the same time frame.

Goal 5

Purchase and provide access to software and advanced technologies that support and enhance curriculum.

Objective 5.1

Purchase software that supports and enhances the curriculum.

Category: Learners and Learning

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

Strategy 5.1.1

Teachers will have input on new technology. Faculty will be included in futuristic planning (possible use of Envisioning Worksheets). Their requests will be added to a consideration list and evaluation will be made. This will be done through the work of the technology committee under the direction of the Technology Director.

Status: In Process

Timeline: Bi-annually

Responsible Individual/Dept: Technology Director and Technology Committee

Evaluation Method/Measure of Success: All curriculum areas will be addressed and technology will be used to enhance curricula.

Supporting Resources/Comments: Annual survey will be conducted using "Survey Monkey" (or equivalent) to assess technology needs as identified by the faculty. Committee to meet at minimum: biannually.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Strategy 5.1.2

Purchase software that will enhance core curriculum based on review of achievement test scores to identify areas of greatest need and determining largest units covered.

Status: In Process

Timeline: Annually

Responsible Individual/Dept: Technology Director, Technology Team, Department Chairmen, Administrators, and Counselors.

Evaluation Method/Measure of Success: Improvement in test scores. Increased understanding of core curriculum.

Supporting Resources/Comments: Grants, local, state and federal money which applies to the technology Budget.

Strategy 5.1.3

Provide training for teachers on how to use new software purchased to integrate technology into the classroom.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology Director & Technology Team

Evaluation Method/Measure of Success: Improvement in test scores. Integration of technology into core areas of curriculum.

Supporting Resources/Comments: All sources of funding which will impact the local technology budget.

Objective 5.2

Provide Central location for using specialized curriculum software that can be accessed in classrooms as well as in the labs (particularly in the sciences).

Category: Learners and Learning

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

Strategy 5.2.1

Identify hardware needed and location for centralized location.

Status: In Process

Timeline: Evaluate location and storage needs annually

Responsible Individual/Dept: Technology Director

Evaluation Method/Measure of Success: Easy access to software when needed.

Supporting Resources/Comments: Maintain and improve system.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Strategy 5.2.2

Locate software to be stored in central location. (Electronic copies stored on common server(s) for all to share as needed.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology Director

Evaluation Method/Measure of Success: Easy on-line access to software as needed.

Supporting Resources/Comments: Maintain a software cabinet/library for originals and back-ups; as well as maintaining the online software.

Strategy 5.2.3

Organize software by building and subject area.

Status: In Process

Timeline: Ongoing

Responsible Individual/Dept: Technology Director

Evaluation Method/Measure of Success: Easy access to software when needed.

Supporting Resources/Comments: Use existing resources.

Goal 6

Technology will be integrated into the curricula and instruction in order to increase the number of students who use technology for communicating, thinking, learning, and producing quality products in a variety of modes as demonstrated in classroom, school, district, and state assessments.

Objective 6.1

Increase the number of students who use technology for thinking, learning, and producing quality products in a variety of modes.

Category: Learners and Learning

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

Strategy 6.1.1

District will incorporate the National Education Technology Standards for students (NETS-S) as adopted by the Oklahoma State Dept. of Education in district expectations for learners and learning.

Status: Planned

Timeline: July 2014-June 2017

Responsible Individual/Dept: Technology Director & Technology Team

Evaluation Method/Measure of Success: Analysis of district initiatives and documents. Student test scores, ALCA

Supporting Resources/Comments: Provide faculty, staff, and administration with copy of NETS-S technology standards for students.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Strategy 6.1.2

Demonstrate to students the practical uses of technology and today's careers (jobs).

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Technology Director & Technology Team plus all teachers who use technology to teach students.

Evaluation Method/Measure of Success: Students will know how technology is used for different types of jobs. Gear-Up involvement, Observations, Guest speakers, Career Fairs, etc. Lesson Plans.

Supporting Resources/Comments: Gear-Up for seniors 2014-college and career readiness. Pilot projects: Title II, Part D. Training and support for supervising teachers. Appropriate technology in place and supported.

Strategy 6.1.3

Students prepare work that will be seen by different audiences (parents, peers, business people, teacher, etc.).

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Technology Director, Faculty (especially Business Education teacher(s)).

Evaluation Method/Measure of Success: Students will prepare higher quality of work; Observations; Lesson Plans

Supporting Resources/Comments: Pilot project: Title II, Part D. Training and support for supervising teachers; Appropriate technology in place and supported.

Strategy 6.1.4

Require students to make decisions on best software program to use for a given task.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Technology Director and Faculty - particularly for upper grades.

Evaluation Method/Measure of Success: Students will learn to analyze information and problem solve; Observations; Lesson plans

Supporting Resources/Comments: Title II, Part D. Training and support for supervising teachers. Appropriate technology in place and supported.

Strategy 6.1.5

Show students examples on how time can be saved using technology method versus manual method.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Technology Director and Faculty - all grades.

Evaluation Method/Measure of Success: Students will see how technology can save time and money; Observations; Lesson Plans

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Supporting Resources/Comments: Title II, Part D. Training and support for supervising teachers. Maintain appropriate and current technology to support overall goal.

Strategy 6.1.6

Teachers will enhance content-area learning with technology-infused lessons.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Principals and Faculty - involving the Tech Director when beneficial.

Evaluation Method/Measure of Success: Levels of technology use surveys. Observations. Lesson Plans

Supporting Resources/Comments: Title II, Part D. Training and support for supervising teachers. Appropriate technology in place and supported.

Objective 6.2

Students will be able to interact with "live" information resources by using the Internet.

Category: Learners and Learning

Budget Y1: \$2,500.00 Budget Y2: \$5,000.00 Budget Y3: \$5,000.00

Strategy 6.2.1

Students will be taught how to search on the Internet including how to recognize reliable vs. unreliable Internet sites.

Status: In Process

Timeline: Fall 2014-June 2017

Responsible Individual/Dept: Library Media Specialist and Faculty (particular those of middle and older students)

Evaluation Method/Measure of Success: Students will be able to search and find valid information/resources. Students will know how to analyze a website for content and reliability.

Supporting Resources/Comments: Teachers trained to access Internet resources including regular staff development; Reliable high speed Internet access; E-Rate discounts requested for Internet Access.

Strategy 6.2.2

Students will be taught how to use E-mail for communication and collaboration including how to protect personal/confidential information. Student e-mail will be used only under faculty supervision.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Technology Director, Superintendent, and Principals and all faculty members.

Evaluation Method/Measure of Success: Older students will demonstrate ability to utilize e-mail including sending, retrieving, attaching files, and using address books.

Supporting Resources/Comments: E-mail accounts will be set up for class use only. No e-mail access for students outside of teacher-supervised setting. Students who require e-mail for

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

concurrent enrollment or on-line classes will be granted permission, via an application approved by the principal. Applications available in the library.

Goal 7

Analyze and implement innovative strategies to deliver specialized and/or rigorous courses and curricula.

Objective 7.1

Technology will be utilized to provide new means of instructional delivery, encourage collaboration, increase communication, and gain access to resources that will enhance the educational experience.

Category: Learners and Learning

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

Strategy 7.1.1

Complete envisioning worksheets (See Appendix)

Status: In Process

Timeline: Every April prior to next school year: 2014-2017

Responsible Individual/Dept: Technology Director/ Department Chairs

Evaluation Method/Measure of Success: Completed worksheets.

Supporting Resources/Comments: Preparation, distribution, and tabulation of worksheets.

Strategy 7.1.2

Use information gathered from completed envisioning worksheets, surveys, test scores, and largest unit of study in curriculum areas to identify target areas for advanced technology.

Status: Planned

Timeline: Every April prior to next school year: 2014-2017

Responsible Individual/Dept: Technology Director/Curriculum/Planning Specialist(s) working with counselor(s).

Evaluation Method/Measure of Success: List of target areas for advanced technology.

Supporting Resources/Comments: Envisioning worksheets, surveys, test scores, and teacher input on largest unit of study.

Strategy 7.1.3

Implement advanced technology and innovative instructional delivery to meet needs identified.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Technology Director and Technology Team

Evaluation Method/Measure of Success: Student test scores; utilization of advanced technologies

Supporting Resources/Comments: Teachers must have sufficient training for advanced technologies. Technology needed in place and supported.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Strategy 7.1.4

Offer extended concurrent opportunities including web-based curriculum for high school students to take advanced and college level courses.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Technology Director, High School Principal, Counselor, and assigned teachers.

Evaluation Method/Measure of Success: Evaluation implementation data; student completion rates

Supporting Resources/Comments: Faculty trained to use web-based learning. Appropriate technology in place and supported.

Goal 8

Ensure the effective use of technology to promote parental involvement and increase communication with parents.

Objective 8.1

Develop and maintain a district website for school and community-wide communication and collaboration. On-line access to gradebook for parents (grades 5-12) now available.

Category: Learners and Learning

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

Strategy 8.1.1

Involve students, student organizations and staff in updating and maintaining websites.

Status: In Process

Timeline: July, 2014 - June, 2017

Responsible Individual/Dept: Technology Director, Web Master and faculty who has students involved

Evaluation Method/Measure of Success: List of target areas for advanced technology.

Supporting Resources/Comments: Training for teachers on how to post and edit information on the website; HTML tools

Strategy 8.1.2

Inform parents of website address and how to access pertinent information regarding school board meetings, calendars, and student events.

Status: In Process

Timeline: July, 2014 - June, 2017

Responsible Individual/Dept: Administrators, Technology Director, Web Master and faculty.

Evaluation Method/Measure of Success: Parents know how to access the district website; Observation

Supporting Resources/Comments: Notify parent-teacher via the new sign board, handbook, and newsletter; announce at board meetings and parent nights; and distribute business size cards with pertinent information at school events such as ballgames, and etc. Seek E-rate funding to

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

partially pay for web hosting service.

Strategy 8.1.3

Provide training and documentation to teachers on acceptable materials to be posted to the website for protecting students.

Status: In Process

Timeline: Annually during professional development days.

Responsible Individual/Dept: Technology Director and Web Master.

Evaluation Method/Measure of Success: Sign-in sheets; success will be evident by the timely postings on the web pages.

Supporting Resources/Comments: This has taken a team leader approach with teachers training new teachers.

Objective 8.2

Implement and monitor the consistent practice of increasing communications about student achievement among students, parents, and staff.

Category: Administration & Support Services

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

Strategy 8.2.1

Maintain student information system for reporting student achievement to Oklahoma State Department of Education and parents.

Status: In Process

Timeline: July, 2014-June, 2017

Responsible Individual/Dept: Administrators (and their designates) and counselors

Evaluation Method/Measure of Success: Access by authorized users to student achievement data.

Supporting Resources/Comments: Student information system.

Strategy 8.2.2

Develop strong, ongoing partnerships with district's community, students, parents, and businesses to insure efficient use of our limited resources.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Administrators and faculty.

Evaluation Method/Measure of Success: Collaboration with community, parents, and businesses.

Supporting Resources/Comments: Discussion of technology needs during board meetings, parent events, and community events.

Goal 9

Develop programs in collaboration with adult literacy service providers to maximize the use of technology.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Objective 9.1

Coordinate with the Ada Public Library and other literacy providers to provide adult literacy training and other training opportunities as determined by community needs.

Category: Learners and Learning

Budget Y1: \$50.00 Budget Y2: \$50.00 Budget Y3: \$50.00

Strategy 9.1.1

Develop an agreement to coordinate programs with public library to deliver adult literacy programming.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Library Media Specialist

Evaluation Method/Measure of Success: Implementation of program.

Supporting Resources/Comments: Scheduled meeting with stakeholders.

Strategy 9.1.2

Provide access to Vanoss Public Schools facilities for use by library personnel and adult literacy programs.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Library Media Specialist

Evaluation Method/Measure of Success: Utilization of district's library and online resources for adult literacy programs.

Supporting Resources/Comments: Technology needed in place and supported.

Goal 10

Develop effective leadership and administrative support for comprehensive and appropriate use of technology in the district.

Objective 10.1

Educate administration including superintendent and principals on importance of technology as an essential tool in learning and teaching.

Category: Administration & Support Services

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

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives

Strategy 10.1.1

District will incorporate the National Educational Technology Standards for Administrators (NETS-A) in district expectations for effective administration, teaching, and learning.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Technology Director and Administrators

Evaluation Method/Measure of Success: Analysis of district initiatives and documents; Analysis of self-assessments; Observation

Supporting Resources/Comments: Provide administration with copy of NETS-A technology standards for administrators.

Strategy 10.1.2

Superintendent, building principals and technology leaders will participate in OKACTS and Gear-Up training as often as needed to remain current.

Status: In Process

Timeline: July 2014-June 2017

Responsible Individual/Dept: Superintendent, Principals, and Technology Leaders

Evaluation Method/Measure of Success: Promotion of technology as an integral part of the curriculum.

Supporting Resources/Comments: Work as partners with OKACTS; bringing all new individuals in this area of responsibility into the OKACTS and K20 Center arena.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Goals & Objectives: Budget Summary

Category	Year 1	Year 2	Year 3	Total
Administration & Support Services	\$2,700.00	\$3,200.00	\$3,300.00	\$9,200.00
Educator Competencies & Professional Development	\$6,000.00	\$6,200.00	\$6,200.00	\$18,400.00
Learners and Learning	\$49,550.00	\$52,050.00	\$52,050.00	\$153,650.00
Technology Capacity	\$80,043.00	\$82,381.00	\$84,789.00	\$247,213.00
Total All Categories:	\$138,293.00	\$143,831.00	\$146,339.00	\$428,463.00

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Budget

Sources of Funds	Year 1	Year 2	Year 3
Donations	\$25.00	\$25.00	\$25.00
E-Rate	\$129,651.00	\$133,541.00	\$137,547.00
General Funds	\$40,000.00	\$40,000.00	\$40,000.00
Grants	\$2,000.00	\$2,000.00	\$0.00
Other	\$100.00	\$100.00	\$100.00
Total Sources of Funds:	\$171,776.00	\$175,666.00	\$177,672.00

Technology Expenditures: Items Eligible for E-rate Discounts	Year 1	Year 2	Year 3
Internal Connections	\$0.00	\$0.00	\$0.00
Internet Access	\$66,171.00	\$68,156.00	\$70,201.00
Maintenance	\$66,114.00	\$68,098.00	\$70,141.00
Telecommunications	\$11,772.00	\$12,125.00	\$12,488.00
Total Erate Eligible items:	\$144,057.00	\$148,379.00	\$152,830.00

Non-Erate Items	Year 1	Year 2	Year 3
Hardware, such as computers, printers, fax machines, video equipment, scanners, CD-ROM drives and servers	\$8,200.00	\$8,200.00	\$3,200.00
Maintenance, such as systems maintenance and operations costs for ineligible hardware and software and salaries of technical staff	\$3,200.00	\$3,200.00	\$3,200.00
Professional Development, such as ongoing technology-related training for technical staff, teachers, and/or librarians	\$3,200.00	\$3,200.00	\$3,200.00
Retrofitting, such as electrical wiring, asbestos removal, building modifications, renovations and repair to support technology infrastructure	\$9,800.00	\$9,800.00	\$9,800.00
Software, such as end user applications	\$2,550.00	\$2,550.00	\$2,550.00
Total Non-Erate Items:	\$26,950.00	\$26,950.00	\$21,950.00
Total Technology Expenditures	\$171,007.00	\$175,329.00	\$174,780.00

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Evaluation

Responsibility

Members of the Technology Committee; chaired by the Technology Director.

Evaluation Process

The technology committee will meet regularly to review the technology plan and update it as technology and circumstances change.

Individual members of the technology committee will annually update the inventory of both the software and equipment, and then present the entire committee with the updated report.

The Principals will assess the degree to which technology has been integrated into normal classroom teaching during regular supervisor evaluations.

The Superintendent and Principals will assess the degree to which technology has enhanced communication between the school and the community.

The Superintendent will determine the need for phones and cell phones in the district and assign or approve additional lines as needed.

A copy of the most recent inventory, along with back-ups of each server will be locked in a fireproof safe and electronically backed up via BDR's (Back-up Disaster Recovery Units) off campus in the event of a disaster.

Evaluation Timeframe

The technology plan will be reviewed and updated annually to reflect changes that could in no way be anticipated.

Evaluation Findings

The Superintendent will be in charge of distributing and communicating to the community the use and status of technology within the district.

Evaluation Analysis - Annual Updates Only

UPDATE: In 2011-2 we have added 80 new computers. They are a combination of laptops and desktops. Six new printers were also added. Subscriptions for Click-n-Learn; United Streaming; A+ software; Study Island; and Odysseyware were all renewed both last year and this. We now own the full package of Essential Skills software. Four new district servers were added summer of 2011; along with a new Destiny Server which serves the library. Odysseyware is being used for credit recovery as well as for required coursework. In 2011-2012, forty-eight new computers, and assorted peripherals were acquired. Along with almost 2 dozen additional computers from Pickett/Center a combination of laptops and desktops. JOM, Gear-Up, Bond Money and local money were used to make the new purchases. We are on target of reaching our goal of replacing about 25% of our fleet annually. During Summer 2012 the wireless access points were installed to make our campus completely wire-free. Currently we are renovating two adjoining classrooms which will soon become the combined computer lab, wired to handle 120 computers. During the 2012-13 school year 155 new computers were purchased using a variety of funding. Construction is nearing completion on the computer lab mentioned above and the science addition. Most of this renovation is being done with bond money. Several iPads were purchased in May 2012; an additional 20 iPads were purchased with this years Gear-Up grant.

Much of the Spring testing was done on-line and we suffered along with the rest of Oklahoma in trying to connect to servers which were located on the other side of the US and the results are still available due to the snafue. The most recent results which are available are impressive. Of course Technology is required for today's testing which can be a good thing, or not.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Evaluation

Recent Tests scores are below:

In the High School the results: Algebra I – 73 % passed; Algebra II 84% passed Bio I – 85% passed; Geometry 86%; English II 97%; English III-91%; US History-72% passed.

In the Elementary School the results are equally impressive:

3rd Math-94%; 3rd Reading-89%; 4th Math 91%; 5th Math 56%; 5th Reading 84%; 5th Science 96%; 5th Soc Studies 96%; 5th Writing-96%; 6th Math 72%; 6th Reading 71%; 7th Math 71%; 7th Reading 86%; 7th Geography 92%; 8th Math 73%; 8th Reading 73%; 8th Science 100%; 8th Us His 85%; 8th Grade Writing 88%.

Currently we are waiting to see our school's report card (which has not yet been finalized).

Of course 100% at each level is desired, but it is evident that a large majority of our students are achieving success.

Those students in HS who performed unsatisfactory on the above listed tests are being offered remediation four days a week (2 hrs per day) after school used web-based software.

Success is a combination of good teaching, good students and effective methods of which, technology is vital.

Even though we work tirelessly to maintain current hardware, it is an on-going project. Old computers which have become obsolete are stripped of reusable parts and the stripped down remains will be gathered for e-waste disposal or auctioned. Another real issue is in regard to repair and maintenance. For example, replacement bulbs for LCD projectors proves very expensive. Lampless projectors will be our choice for future purposes. Money and aging technology will always to be a major concern.

Administrators and faculty are encouraged to attend conferences, read, and network. From these tours, both real and virtual, new technology is being added to our rural school. We are still working as much as possible to 'go green'. The Classroom Response Systems, Laptops, Document Cameras, Smartboards, projectors, iPads and new networked printer/copiers, which enforce limits, combine to the save paper and costs. We are involved in a school-wide re-cycle project as well.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

CIPA (Children's Internet Protection Act) Compliance

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

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

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

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

Description, Company Name of Technology Protection Measure

Sonic Wall

Internet Acceptable Use Policy

Acceptable Use Policy Board

http://www.erate470.com/tpc/documents/cipa2_02PK0SJJ0M.pdf

Board Meeting Agenda and Minutes When CIPA Compliance Last Discussed

CIPA Compliance Agenda & Minutes

http://www.erate470.com/tpc/documents/cipa3_039P0K6E0P.pdf

CIPA Certification

1415 CIPA Certification

http://www.erate470.com/tpc/documents/cipa4_13UZ0LZUB9.pdf

Vanoss Indep School District 9, 2014 - 2017 Technology Plan

Appendix

Attachments

Attachment A

Rubric of Essential Technology Conditions

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

Attachment B

National Educational Technology Standards (NETS)

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

Attachment C

Vanoss site map

http://www.erate470.com/tpc/documents/vano_campus_map_y15.pdf

Attachment D

Teacher Technology Survey Form

http://www.erate470.com/tpc/documents/Vanoss_Att4_teachersurvey.pdf

Attachment E

Vanoss Web Site

www.vanoss.k12.ok.us

Attachment F

Internet Filter Invoice & Log 2009

http://www.erate470.com/tpc/documents/vano_filterlog_2009.pdf

Attachment G

Pickett-Center site map

http://www.erate470.com/tpc/documents/vano_pickett_map_2011.jpg

Vanoss Indep School District 9, 2014 - 2017 Technology Plan E-Rate Alignment Report

E-Rate Requirements			
US01	The plan must establish clear goals and a realistic strategy for using telecommunication and information technology to improve education or library services.	Goals & Objectives section is completed.	Complete

E-Rate Requirements	Alignment Criteria	Status
US02	The plan must have a professional development strategy to ensure that staff know how to use these new technologies to improve education or library services.	Objectives are aligned to professional development: US02. Complete

Objectives Aligned:

- 1.1 The district will use technology to coordinate the connection and sharing of all educational resources among all buildings and district personnel. Annual technology updates will be part of the in-service training.
- 1.2 Staff development. Train teachers to use the technology.
- 1.3 Administrative staff will gain necessary skills to use technology to improve administrative and management effectiveness.

- 2.1 Teachers will gain the necessary technology skills to insure student mastery of grade level technology competencies.
- 2.2 Technology will be used to encourage and support joint development and dissemination of curriculum.
- 3.1 All students, teachers, staff and administrators will have equal access to technology.

E-Rate Requirements	Alignment Criteria	Status
US03	The plan must include an assessment of the telecommunications services, hardware, software and other services that will be needed to improve education or library services.	Assessment section is completed. Complete

E-Rate Requirements	Alignment Criteria	Status
US04	The plan must provide a sufficient budget to acquire and support the non-discounted elements of the plan: the hardware, software, professional development and other services that will be needed to implement the strategy.	Budget section is completed. Complete

E-Rate Requirements	Alignment Criteria	Status
US05	The plan must include an evaluation process that enables the school or library to monitor progress toward the specified goals and make mid-course corrections in response to new developments and opportunities and they arise.	Evaluation section (except item 5 for updates) is completed. Complete

Vanoss Indep School District 9, 2014 - 2017 Technology Plan NCLB Alignment Report

NCLB Requirements		Alignment Criteria	Status
ED01	Strategies for improving academic achievement and teacher effectiveness - strategies to improve the academic achievement, including technology literacy, of all students and to improve the capacity of all teachers to integrate technology effectively into curricula and instruction.	Aligned to an objective in Goals & Objectives Section.	Complete

Objectives Aligned:

- 1.1 The district will use technology to coordinate the connection and sharing of all educational resources among all buidings and district personnel. Annual technology updates will be part of the in-service training.
- 1.2 Staff development. Train teachers to use the technology.
- 1.3 Administrative staff will gain necessary skills to use technology to improve administrative and management effectiveness.

- 2.1 Teachers will gain the necessary technology skills to insure student mastery of grade level technology competencies.
- 2.2 Technology will be used to encourage and support joint development and dissemination of curriculum.
- 3.1 All students, teachers, staff and administrators will have equal access to technology.
- 6.1 Increase the number of students who use technology for thinking, learning, and producing quality products in a variety of modes.
- 6.2 Students will be able to interact with "live" information resources by using the Internet.
- 10.1 Educate administration including superintendent and principals on importance of technology as an essential tool in learning and teaching.

NCLB Requirements		Alignment Criteria	Status
ED02	Goals for using advanced technology- specific goals for using advanced technology to improve student academic achievement, aligned with challenging State academic content and student academic achievement standards.	Aligned to an objective in Goals & Objectives Section.	Complete

Objectives Aligned:

- 2.1 Teachers will gain the necessary technology skills to insure student mastery of grade level technology competencies.
- 2.2 Technology will be used to encourage and support joint development and dissemination of curriculum.
- 3.1 All students, teachers, staff and administrators will have equal access to technology.
- 5.1 Purchase software that supports and enhances the curriculum.
- 5.2 Provide Central location for using specialized curriculum software that can be accessed in classrooms as well as in the labs (particularly in the sciences).

NCLB Requirements		Alignment Criteria	Status
ED03	Steps to increase access to educational technology-to help ensure that (a) students in high-poverty and high-needs schools or schools identified for improvement or corrective action have access to technology and (b) teachers are prepared to integrate technology effectively	Aligned to an objective in Goals & Objectives Section.	Complete

Vanoss Indep School District 9, 2014 - 2017 Technology Plan NCLB Alignment Report

into curricula and instruction.		
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Objectives Aligned:

- 3.2 District will ensure that technology is accessible to all students, including those with disabilities and those who are economically disadvantaged.
- 10.1 Educate administration including superintendent and principals on importance of technology as an essential tool in learning and teaching.

	NCLB Requirements	Alignment Criteria	Status
ED04A	Promotion of curricula and teaching strategies that integrate technology- identify and promote curricula and teaching strategies that integrate technology effectively into curricula and instruction, based on a review of relevant research and leading to improvements in student academic achievement.	Aligned to an objective in Goals & Objectives Section.	Complete

Objectives Aligned:

- 1.1 The district will use technology to coordinate the connection and sharing of all educational resources among all buildings and district personnel. Annual technology updates will be part of the in-service training.
- 1.2 Staff development. Train teachers to use the technology.
- 1.3 Administrative staff will gain necessary skills to use technology to improve administrative and management effectiveness.
- 2.1 Teachers will gain the necessary technology skills to insure student mastery of grade level technology competencies.
- 2.2 Technology will be used to encourage and support joint development and dissemination of curriculum.
- 3.1 All students, teachers, staff and administrators will have equal access to technology.

	NCLB Requirements	Alignment Criteria	Status
ED04B	Professional development- provide ongoing, sustained professional development for teachers, principals, administrators, and school library media personnel to further the effective use of technology in the classroom or library media center.	Aligned to an objective in Goals & Objectives Section.	Complete

Objectives Aligned:

- 1.1 The district will use technology to coordinate the connection and sharing of all educational resources among all buildings and district personnel. Annual technology updates will be part of the in-service training.
- 1.2 Staff development. Train teachers to use the technology.
- 1.3 Administrative staff will gain necessary skills to use technology to improve administrative and management effectiveness.
- 2.2 Technology will be used to encourage and support joint development and dissemination of curriculum.
- 4.2 Create and maintain a complete inventory of installed technology.
- 4.3 Provide adequate Internet Access and Telecommunications to support learning goals and administrative needs. Within the next 2-3 years, the PBX will require an upgrade.

Vanoss Indep School District 9, 2014 - 2017 Technology Plan NCLB Alignment Report

NCLB Requirements	Alignment Criteria	Status	
ED05	Technology type and costs- a description of the type and costs of technology to be acquired, including services, software, and digital curricula, and including specific provisions for interoperability among components of such technologies.	Aligned to an objective in Goals & Objectives Section.	Complete

Objectives Aligned:

- 4.1 District technology must be manageable and flexible to adapt to future growth and technical change. Most are requested and paid with E-Rate funding.
- 4.2 Create and maintain a complete inventory of installed technology.
- 4.3 Provide adequate Internet Access and Telecommunications to support learning goals and administrative needs. Within the next 2-3 years, the PBX will require an upgrade.

NCLB Requirements	Alignment Criteria	Status	
ED06	Coordination with other resources- plan for coordinating activities carried out with funds provided by E-Rate and Title II, Part D, with funds available from other Federal, State, and local sources.	Aligned to an objective in Goals & Objectives Section.	Complete

Objectives Aligned:

- 4.1 District technology must be manageable and flexible to adapt to future growth and technical change. Most are requested and paid with E-Rate funding.
- 4.2 Create and maintain a complete inventory of installed technology.
- 4.3 Provide adequate Internet Access and Telecommunications to support learning goals and administrative needs. Within the next 2-3 years, the PBX will require an upgrade.

NCLB Requirements	Alignment Criteria	Status	
ED07	Integration of technology with curricula and instruction- plan for integrating technology (including software and other electronically delivered learning materials) into curricula and instruction, and a timeline for this integration.	Aligned to an objective in Goals & Objectives Section.	Complete

Objectives Aligned:

- 6.1 Increase the number of students who use technology for thinking, learning, and producing quality products in a variety of modes.
- 6.2 Students will be able to interact with "live" information resources by using the Internet.

NCLB Requirements	Alignment Criteria	Status	
ED08	Innovative delivery strategies- plan for encouraging the development and use of innovative strategies for the delivery of specialized or rigorous courses and curricula through the use of technology, including distance learning technologies, particularly in	Aligned to an objective in Goals & Objectives Section.	Complete

Vanoss Indep School District 9, 2014 - 2017 Technology Plan NCLB Alignment Report

	areas that would not otherwise have access to such courses or curricula due to geographical isolation or insufficient resources.		
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Objectives Aligned:

- 5.1 Purchase software that supports and enhances the curriculum.
- 7.1 Technology will be utilized to provide new means of instructional delivery, encourage collaboration, increase communication, and gain access to resources that will enhance the educational experience.

NCLB Requirements	Alignment Criteria	Status
ED09	Parental involvement- plan to ensure the effective use of technology to promote parental involvement and increase communication with parents, including a description of how parents will be informed of the technology being applied in their child's education so that the parents are able to reinforce at home the instruction their child receives at school.	Complete

Objectives Aligned:

- 8.1 Develop and maintain a district website for school and community-wide communication and collaboration. On-line access to gradebook for parents (grades 5-12) now available.
- 8.2 Implement and monitor the consistent practice of increasing communications about student achievement among students, parents, and staff.

NCLB Requirements	Alignment Criteria	Status
ED10	Collaboration with adult literacy service providers- description of how programs will be developed, where applicable, in collaboration with adult literacy service providers, to maximize the use of technology.	Complete

Objectives Aligned:

- 9.1 Coordinate with the Ada Public Library and other literacy providers to provide adult literacy training and other training opportunities as determined by community needs.

NCLB Requirements	Alignment Criteria	Status
ED11	Accountability measures- description of the process and accountability measures that will be used to evaluate the extent to which activities are effective in integrating technology into curricula and instruction, increasing the ability of teachers to teach, and enabling students to meet challenging State academic content and student academic achievement standards.	Complete

Vanoss Indep School District 9, 2014 - 2017 Technology Plan NCLB Alignment Report

NCLB Requirements		Alignment Criteria	Status
ED12	Supporting resources- description of the supporting resources (such as services, software, other electronically delivered learning materials, and print resources) that will be acquired to ensure successful and effective uses of technology.	Completion of Supporting Resources for strategies listed in the Goals & Objectives Section.	Complete

NCLB Requirements		Alignment Criteria	Status
US05	The plan must include an evaluation process that enables the school or library to monitor progress toward the specified goals and make mid-course corrections in response to new developments and opportunities and they arise.	Evaluation section (except item 5 for updates) is completed.	Complete