

# NUECES CANYON CISD Technology Plan

2010 - 2013

RUSS PERRY

SUPERINTENDENT

## DISTRICT PROFILE

ESC Region	15
City, State Zip	BARKSDALE, TX 78828-0118
Phone	(830) 234-3514
Fax	(830) 234-3435
County District Number	069902

Number of Campuses	2
Total Student Enrollment	281
District Size	Under 500
Percent Econ. Disadvantaged	69.40%

Technology Expenditures	\$1,084,450.00
Technology budgets reported in plan by category	Teaching and Learning Budget \$189,600.00 Educator Preparation and Development Budget \$104,400.00 Leadership, Administration and Support Budget \$92,250.00 Infrastructure for Technology Budget \$698,200.00 Total: \$1,084,450.00
Technology Expenditure Per Pupil	\$3,859.25
Number of Campuses with Direct Connection to Internet	2
Percentage of Campuses with Direct Connection to Internet	100.00%
Number of Classrooms with Direct Connection to Internet	42
Percentage of Classrooms with Direct Connection to Internet	100.00%
Computer/Student Ratio	3 student(s) for every computer

Computer/Teacher Ratio	1 teacher(s) for every computer
Number of campuses that need to complete the Texas Campus STaR Chart	2
Percentage of campuses that have completed the Texas Campus STaR Chart	100.00 %

Plan Introduction

Plan Last Edited 11/16/2010

Plan status:

approved

Years Included in the Plan:

2010 - 2013

Number of years covered by the plan:

3

Years Approved for the Plan:

2010 - 2013

Number of approved years:

3

This is an Updated plan. The plan editor entered these comments about the changes since last year's plan:

Updated state/status of strategies Updateed demographics Updated budget

Does the district file E-Rate? yes

The district had a "written" plan before E-Rate Form 470 was filed on 10/03,2010/2010.

- Technology Planning Committee
- Russ Perry- Superintendent
- Steven Pyburn- Elementary School/Junior High/High School Principal
- Luci Harmon- Elementary Coordinator
- Louis Webb- Technology Coordinator (TIF-Tech)
- Tena Morgan- Technology Assistant(TIF-Tech)
- Billye Smith- Business Secretary
- Connie Webb- Elem. Teacher (TIF-Tech)
- Trudy Rollison- Elem. Teacher
- Jan Prather- J.H./H.S. Teacher (TIF-Tech)
- Greg Harmon- J.H./H.S. Teacher
- Debbie Cox- J.H./H.S. Teacher (TIF-Tech)
- Abby Falcon- Student

Executive Summary

Technology has changed our nation, our state, and our community; sweeping the world with new avenues of learning. In order to achieve the Vision of the Long Range Plan for Technology adopted by The Texas Education Agency, the No Child Left Behind Act, the Child Internet Protection Act, and mastery of the TEKS, we at Nueces Canyon CISD are committed to actively seeking ways to better implement learning technologies in our schools.

Information is increasing at a tremendous rate. The need for communication skills to access this information is becoming more critical. In the last two decades we have progressed through the Information Age and into the Age of Communication.

The skills needed to compete in the world marketplace are becoming more complex, with less emphasis on physical labor. The September 1992 issue of Electronic Learning lists three literacy skills for the twenty-first century as accessing, thinking and communicating. Accessing includes reading in both print and digital form, listening in person, via videoconference and on the telephone, and researching both in print and online. Thinking is defined as "discriminating, analyzing, and interpreting textual, numeric, audio, and visual information". Communicating requires writing both on paper and online, presenting both orally and with multimedia and speaking at least English and one other language.

Much of the conventional school curricula is or will soon be available in electronic form. Ways of applying and utilizing this information, working together, using thinking skills, and learning to learn will become the areas of emphasis in order to equip all students with the necessary skills for lifelong learning.

The classroom has changed. Students with a variety of languages and abilities are taught together in the same classroom. Research has shown that students learn more effectively this way, but teachers must meet a wider variety of needs. The students who are currently in the classroom were born into a multimedia world. They are not growing up in the same print dominated culture in which their teachers were raised. To quote David Thornburg, "We need to prepare our students for their future, not our past."

The use of multimedia in the classroom allows teachers to present more complex material to their students and permits students to work more independently in ways better suited to their individual needs. These more independent ways of learning will require students to obtain more information from a variety of sources. Students will need the ability to communicate within the classroom, with the library and other classrooms within the building, other people and resources within the community, across the country and around the world. The Internet will form this "electronic highway" that will allow students to communicate and interact.

Student evaluation is also changing. Authentic assessment, incorporating student projects and teacher observations, can be supported by technology, including audio, video and graphics. Listening to a child read, viewing a scanned writing sample, or seeing a student presentation, augment the more traditional forms of assessment and provide a more complete picture of the student's progress.

Here at Nueces Canyon CISD, it is our belief that all students and all educators should be afforded the opportunity to enhance his or her technological skills. This plan is an attempt to focus and direct our efforts in achieving this goal.

Our plan concentrates on five major areas:

- Using telecommunications and information technology to improve all students' education
- Professional development in technology skills for NCCISD staff; thereby promoting better student learning
- Assessing telecommunications services, hardware, software, and other services that will be needed to improve education for all students
- Providing a sufficient budget at NCCISD to acquire and maintain the hardware, software, professional development, and other services that will be needed to implement this strategy for improved education
- Utilizing an evaluation process that enables NCCISD to monitor progress toward the specified goals and make mid-course corrections in response to new developments and opportunities as they arise

This plan will be implemented over a three year timeline (July 1, 2010 through June 30, 2013) and will articulate with the Nueces Canyon CISD District/Campus Improvement Plan. To meet the current state initiatives for technology, the Nueces Canyon Consolidated Independent School District will earnestly seek to fulfill the actions stated in this technology action plan.

## Needs Assessment

Assessment Process:

A needs assessment utilizing surveys, interviews, focus group sessions, inventories and the completion of the Texas Campus STaR Chart for each campus was conducted to analyze the current status of technology in the district and determine future needs. Items analyzed included: administration and support, infrastructure, teaching and learning, hardware, software, programs, courses, student achievement, technology resources, staff development, and technical support.

Existing Conditions:

TEA Accountability Status-

Nueces Canyon CISD- Acceptable

Nueces Canyon Elementary School- Acceptable

Nueces Canyon JH/HS- Recognized

Fall 2010 Nueces Canyon Elementary School Campus STaR Chart results-

Key Area I: TEACHING AND LEARNING-

Based on the Texas STaR Chart, the elementary campus is currently at the ADVANCED TECH stage with a score of 18.

Key Area II: EDUCATOR PREPARATION AND DEVELOPEMENT-

Based on the Texas STaR Chart, the elementary campus is currently at the ADVANCED TECH stage with a score of 16.

Key Area III: LEADERSHIP, ADMINISTRATION AND INSTRUCTIONAL SUPPORT-

Based on the Texas STaR Chart, the elementary campus is currently at the TARGET TECH stage with a score of 23.

Key Area IV: INFRASTRUCTURE FOR TECHNOLOGY-

Based on the Texas STaR Chart, the elementary campus is currently at the ADVANCED TECH stage with a score of 19.

Fall 2010 Nueces Canyon Junior High/High School Campus STaR Chart results-

Key Area I: TEACHING AND LEARNING-

Based on the Texas STaR Chart, the JH/HS campus is currently at the ADVANCED TECH stage with a score of 16.

Key Area II: EDUCATOR PREPARATION AND DEVELOPEMENT-

Based on the Texas STaR Chart, the JH/HS campus is currently at the ADVANCED TECH stage with a score of 15.

Key Area III: LEADERSHIP, ADMINISTRATION AND INSTRUCTIONAL SUPPORT-

Based on the Texas STaR Chart, the JH/HS campus is currently at the ADVANCED TECH stage with a score of 19.

Key Area IV: INFRASTRUCTURE FOR TECHNOLOGY-

Based on the Texas STaR Chart, the JH/HS campus is currently at the ADVANCED TECH stage with a score of 20.

## SUSTAINING TELECOMMUNICATION SERVICES

The current configuration of NCCISD technologies requires the following supporting telecommunication services on a continuing basis:

- Southwest Texas Telephone currently provides 33 Centrex Lines and 23 regular phone lines for voice communications.
- 10 Cellular phones
- Internet access is provided by ESCXV with a connection speed of 8 Mbps burstable to 18 Mbps
- Southwest Texas Junior College and ESCXV currently provides video teleconferencing for distance learning classes and training.
- Southwest Texas Telephone Company currently provides long distance service for the district.

These services sustain our Internet and distance learning technologies and must be included in the annual budget.

## SUSTAINING SOFTWARE LICENSING-

- Microsoft School Agreement
- Microsoft Server 2003 and Server 2008
- Microsoft Exchange 2003
- SchoolWires (hosted by ESC11)
- txGradebook
- Network Associates Virus protection (McAfee)
- Cymphonics Internet Filtering
- RSCCC PEIMS and Business
- Accelerated Reading
- Star Reading
- Star Math
- FilemakerPro 8
- Destiny (hosted by ESCXV)
- Study Island
- Education City
- Lexia
- FasttMath
- KeySkills
- DeepFreeze
- Altiris Deployment Solution
- TechKnowledge

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## NCCISD NETWORK SPECIFICATIONS

(see appendix C)

Our network can be described with the following attributes:

- 100Mbps to the desktop in every classroom
- Full VLANs compliant Cisco switches control most Ethernet drops
- Full fiber backbone
- Cat 5 Ethernet cabling
- 100 Mbps ethernet circuit connects both campuses (3 miles)(SWTTele)
- 54Mbps Spread Spectrum half duplex microwave connectivity between campuses (3 miles)(backup connectivity)
- CD-ROM Tower
- RAS (for intra-school use only)
- Cymphonix Internet Filtering
- Barracuda Spam Filter
- CIPA Filter for e-mail archiving
- 802.11b/g/n (draft) Wireless Ethernet connectivity on both campuses (unmanaged and low density connectivity)
- Distance Learning on each campus via H.323 equipment

## Technology Needs:

Nueces Canyon CISD wishes to use technology to help raise the district's TEA accountability performance to EXEMPLARY at both the campus level and district level by improving scores in the following Texas STaR Chart areas:

### Key Area I:TEACHING AND LEARNING-

Nueces Canyon CISD needs to increase performance in all focus areas of this key area by better integrating technology into the teaching and learning environment as a tool for enhanced learning. The elementary campus needs to advance from the ADVANCED TECH level into the TARGET TECH level on the Texas STaR Chart and the junior high/high school campus needs to advance from the Advanced TECH level into the TARGET TECH level on the Texas STaR Chart.

### Key Area II: EDUCATOR PREPARATION AND DEVELOPEMENT-

Nueces Canyon CISD needs to increase performance in all focus areas of this key area by continued strategic staff development that addresses identified weak areas in educator technology use and integration skills. The elementary campus needs to advance from the ADVANCED TECH level into the TARGET TECH level on the Texas STaR Chart and the junior high/high school campus needs to advance from the DEVELOPING TECH level into the TARGET TECH level on the Texas STaR Chart.

### Key Area III: ADMINISTRATION AND SUPPORT SERVICES-

Nueces Canyon CISD needs to increase performance in all focus areas of this key area by improving planning, staffing, and technical support. The elementary campus needs to maintain the TARGET TECH level on the Texas STaR Chart and the junior high/high school campus needs to move from the ADVANCED TECH LEVEL to the TARGET TECH level on the Texas STaR Chart.

### Key Area IV: INFRASTRUCTURE AND SUPPORT-

Nueces Canyon CISD needs to increase performance in all focus areas of this key area by adding new technologies, by enhancing and/or replacing aging current network and computer hardware, by increasing bandwidth capabilities, and by continuing to sustain maintenance agreements with supporting technology vendors. The elementary campus needs to move from the ADVANCED TECH level to the TARGET TECH level on the Texas STaR Chart and the junior high/high school campus needs to advance from the ADVANCED TECH level into the TARGET TECH level on the Texas STaR Chart.

Nueces Canyon CISD needs to continue to sustain, refine, update, upgrade, maintain, and enhance services identified in the current conditions section of this document as outlined in the following goals, objectives, and strategies.

## Goals, Objectives, and Strategies

GOAL 1: Nueces Canyon CISD will assure a high level of access and equity that is safe for its students, staff and community as it pertains to the district's present and future technologies.					
<p>OBJECTIVE 1.1:</p> <p>Nueces Canyon will improve accessibility of technology to each of its constituents.</p> <p><i>Budget Amount \$151,700.00</i>  <i>LRPT category: Infrastructure for Technology</i></p> <p>E-Rate Correlates: ER01  NCLB Correlates: 03</p>					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.1.1:	<p>More Internet ready computers will be purchased or obtained and placed in the classroom setting improving the student to computer ratio. At least one additional Internet station per classroom will be acquired.</p> <p>Comments: Adequate Ethernet drops, electrical outlets, and connectivity must be in the classroom.</p> <p>LEA LRPT Correlates: I02, I04, I05, I08, LAS15, TL09</p>	<p>State: Original</p> <p>Status: In Progress</p>	July 1, 2010- June 30, 2013	Administrators and Technology Coordinator	Computers installed in classrooms
1.1.2:	<p>NCCISD will actively pursue acquisition of more distance learning technologies to better meet the student's, teacher's, and community member's instructional needs.</p> <p>Comments: A flexible schedule for community access to our distance learning and computer lab facilities will be incorporated. Monies will be used to upgrade and/or replace existing older equipment. The district will move towards the H.323 standard.</p> <p>LEA LRPT Correlates: I01, I05, I06, I09, LAS09, LAS15, TL06, TL09, TL10, TL12</p>	<p>State: Original</p> <p>Status: Planned</p>	July 1, 2010- June 30, 2013	Administrators and Technology Coordinator	New distance learning equipment in place and being used for learning
1.1.3:	<p>NCCISD will acquire mobile wireless notebook labs and/or wireless PDA labs (like iTouch) for use on both campuses.</p> <p>Comments: Two wireless mobile labs with 25-30 laptops each. The laptops should be durable and powerful enough to run MS Office and other classroom software as needed by the teacher. NCCISD must seek ways to fund the project. Local funds will not be enough. E-rate will help with the infrastructure. Grants and WADA funds will be sought after for this project.</p> <p>LEA LRPT Correlates: I02, I03, I04, I05, LAS15, TL09</p>	<p>State: Original</p> <p>Status: Planned</p>	by Fall 2011	Administrators and Technology Coordinator	Wireless notebook labs installed and in use
1.1.4:	<p>Nueces Canyon CISD will replace the computers in the computer labs at both campuses.</p> <p>LEA LRPT Correlates: I02, I05, I07, TL09</p>	<p>State: Original</p> <p>Status: Planned</p>	By Fall of 2012	Administrators and School Board	Computer lab with all hardware and software in place and functioning.

1.1.5:	NCCISD will replace the 5 computer workstations in the elem.library.  Comments: These computers will also be for community use.  LEA LRPT Correlates: I04, I05, I07, TL09	State: Original  Status: Completed	by Fall 2010	Administrators, Technology Coordinator, School Board	Installation of the 14 computers in the JH/HS library.
1.1.6:	NCCISD will automate its student nutrition services.  Comments: The cafeteria manager will need to have skills necessary to maintain and operate the system. Ethernet access to the network from the cafeteria must be in place.  LEA LRPT Correlates: LAS08	State: Original  Status: Planned	by Fall 2012	Administrators, Cafeteria Manager, Technology Coordinator	Operational cafeteria management system in place
1.1.7:	NCCISD will budget monies for the maintenance and upgrading of all of the district's technologies including hardware, software and retrofitting to assure our technologies are current and performing at a high level of efficiency. E-Rate funds for Basic Maintenance of Internal connections will be sought to supplant the maintenance of all E-Rate eligible equipment.  Comments: The technology coordinator in conjunction with the superintendent, business manager, and local school board will ensure that adequate funds are set aside for the regular repair, maintenance, and upgrading of existing and future technologies on a timely basis. Aging hardware and software will be upgraded or replaced to maintain a high performance standard. Upgrades that enhance the bandwidth and reliability of our LAN / WAN will be a priority. Local monies will be used to leverage E-Rate, and other funds that will promote the updating of our equipment and infrastructure. The NCCISD Technology Planning Committee will discuss how well budgeted funds and planned activities meet the district's maintenance efforts. Teachers will have an end-of-the-year technology evaluation document that will help pinpoint areas needing better attention to concerning maintenance issues.  LEA LRPT Correlates: I01, I02, I03, I08, I09, LAS04, LAS05, LAS07, LAS10, LAS14	State: Original  Status: In Progress	July 1, 2010- June 30, 2013	Technology Planning Committee, Administration, and School Board of Trustees	Stable and efficient network and instructional technologies
1.1.8:	Teachers will be trained on the use of the grade book program and parents will be trained on how to access their child's grades from the NCCISD website.  LEA LRPT Correlates: EP03, I01, I03, LAS02, LAS03, LAS11, LAS13	State: Original  Status: In Progress	August 2010 to May 2013	Technology Staff	Grades will be successfully posted and retrieved by teachers, administrators, students, and parents.
1.1.9:	NCCISD will upgrade its current Video over IP hardware for content delivery, content production, and content broadcast to the desktop on both campuses.  LEA LRPT Correlates: I02, I05, LAS15, TL16	State: Original  Status: Planned	July 1, 2010- June 30, 2013	Technology Coordinator	Upgraded Video over IP hardware in place and operational
1.1.10:	Each instructional classroom will have a large screen multimedia presentation system or projection system, document camera, and a CPS or similar student input devices available for integrating technology into the learning environment.  Comments: LCD projectors or large screen monitors may be used. Smart Boards will be used in large instructional areas.  LEA LRPT Correlates: I02, I09, TL06, TL08	State: Original  Status: In Progress	by fall 2010	Administrators; Technology Coordinator	Equipment operational and in place.
1.1.11:	To better provide technical and instructional assistance, NCCISD will create a full-time technology coordinator position.	State: Original	by June 2013	Administrators	Position created Focus area

	LEA LRPT Correlates: LAS10, TL09	Status: Planned			"O" (Instructional and Administrative Staffing) score increases on the Texas STaR Chart.
1.1.12:	The Nueces Canyon CISD technology support staff will be continuously trained to better support the network and associated learning technologies.  LEA LRPT Correlates: EP09, I02, I05, LAS10	State: Original  Status: In Progress	July 1, 2010- June 30, 2013	Administrators; Technology coordinator	Shorter problem resolution time for technical issues that arise; Responses to satisfaction surveys concerning local technology support

#### OBJECTIVE 1.2:

NCCISD will provide, support, and implement (through professional development) advanced library technologies at both campuses that include automation, Internet access, access to the resources of the Digital Knowledge Central (DKC), multimedia resources and other emerging library technologies.

*Budget Amount \$10,000.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 03, 04b, 05, 06, 08, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.2.1:	Both campuses will continue to implement server-based software for library automation. New upgrades and support contracts will be budgeted for automation software. The libraries will offer expanded Internet access to the students, teachers, and community using efficient planning strategies. Use of the Digital Knowledge Central by all constituents will be promoted by administrators. The district will host a website with hyperlinks to the DKC resources.  Comments: Librarians will support the library automation system and learn how to interface with the Digital Knowledge Central. All students will learn how to search the library database and learn how to interface with the Digital Knowledge Central resources. Librarians will train on the library automation software and articulate with ESC XV for assistance in learning how to best implement the Digital Knowledge Central for each campus library.  LEA LRPT Correlates: EP03, EP04, EP09, I01, I02, I07, I08, LAS01, LAS02, LAS05, TL10, TL11	State: Original  Status: In Progress	Fall of 2010 through Spring 2013	Librarians and Technology Coordinator	Sustaining of currently implemented library technologies and new or upgraded library technology resources in place.
1.2.2:	Video-on-demand will be made available to all teachers as a integrating technology learning resource via local and/or remote access.  Comments: Takes the place of VCR's and films  LEA LRPT Correlates: I05, LAS15, TL09	State: Original  Status: In Progress	July 1, 2010- June 30, 2013	Technology Coordinator; Librarians	Services like Digital Curriculum in place and functioning; Caching servers in



					place for local content distribution
<p><b>OBJECTIVE 1.3:</b></p> <p>Local and out-of-the-district funding for Nueces Canyon CISD educational technologies will be driven by equitableness and accessibility for all district staff, students and community members.</p> <p><i>Budget Amount \$1,500.00</i>  <i>LRPT category: Leadership, Administration and Support</i></p> <p>E-Rate Correlates: ER01  NCLB Correlates: 03, 06</p>					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.3.1:	<p>Ongoing and integrated district technology planning that is driven by campus Star Charts and using a diverse spectrum of input from community members, staff, students, and administrators will drive the technology planning process.</p> <p>Comments: The planning process will include administrators, school board members, technology staff, teachers, staff, students, and community members.</p> <p>LEA LRPT Correlates: I08, I09, LAS01, LAS02, LAS03, LAS04, TL05, TL06, TL09, TL10, TL12</p>	<p>State: Original</p> <p>Status: In Progress</p>	July 1, 2010- June 30, 2013	Technology Planning Committee	Meeting sign in sheets; Updated Technology Plan
1.3.2:	<p>NCCISD will budget 30% or more of the technology allotment budget for professional development.</p> <p>LEA LRPT Correlates: EP01, LAS06</p>	<p>State: Original</p> <p>Status: Planned</p>	By 2013	Superintendent, SBOE, and business manager	adopted budget that reflects the desired percentage
1.3.3:	<p>With the No Child Left Behind Legislation and the E-Rate program in mind, the technology planning committee will plan technology expenditures very carefully with greater emphasis on equalizing technology for every student in the district and considering the special needs of each student and special student populations. Grants, E-rate, collaborative funds and local funds must be obtained and used wisely to maximize needed outcomes from the district's technology. Grant writing training will be offered to key individuals of the technology planning committee to help secure funds from other sources.</p> <p>Comments: Administrators and technology planners must constantly access how NCCISD technologies are serving our student body and make midstream and annual adjustments in the technology budget to guarantee access and equitability of technology for each student and special population groups.</p> <p>LEA LRPT Correlates: I01, I09, LAS02, LAS04, LAS05</p>	<p>State: Original</p> <p>Status: In Progress</p>	July 1, 2010- June 30, 2013	Technology planning committee and School Board of Trustees	Observations and written feed back from the Technology Planning Committee will help indicate whether or not all areas that need attention are being addressed. Increased student performance in areas that have been determined as needing attention will give evidence.
1.3.4:	<p>Electronic data such as the Texas STaR Chart, PEIMS data, and AEIS reports will drive and focus technology planning, classroom planning, library planning, campus planning, and district improvement plans.</p>	<p>State: Original</p> <p>Status: In</p>	July 1, 2010- June 30, 2013	Technology planning committee and administrators	Improved student performance that can be

	LEA LRPT Correlates: LAS01, LAS02, LAS03, LAS05	Progress			directly attributed to technology planning.
<p><b>OBJECTIVE 1.4:</b></p> <p>Safe access to the Internet from within the district will be proxied by Internet filtering, will be addressed by local policies, and will be enforced by educators trained in the safe use of the Internet in learning environments.</p> <p><i>Budget Amount \$19,000.00</i>  <i>LRPT category: Leadership, Administration and Support</i></p> <p>E-Rate Correlates: ER01, ER02  NCLB Correlates: 03, 04b, 07</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.4.1:	<p>In compliance with the Child Internet Protection Act (CIPA), NCCISD will maintain an Internet filtering solution.</p> <p>LEA LRPT Correlates: I01, LAS02</p>	<p>State: Original</p> <p>Status: In Progress</p>	July 1, 2010- June 30, 2013	Technology Staff	Viable Internet filtering in place
1.4.2:	<p>In accordance with the Child Internet Protection Act (CIPA), NCCISD will continuously monitor Internet filtering.</p> <p>LEA LRPT Correlates: LAS02</p>	<p>State: Original</p> <p>Status: In Progress</p>	July 2010 through June 2013	Technology Staff	Monthly filtering reports
1.4.3:	<p>NCCISD will develop staff training and use online courseware like i-Safe to address "safe surfing" practices for its students and other constituents. Staff members will be responsible for educating students on Internet safety.</p> <p>LEA LRPT Correlates: EP02, EP03, TL01, TL14</p>	<p>State: Original</p> <p>Status: In Progress</p>	July 1, 2010- June 30, 2013	Technology Staff	Published curriculum and scheduled training sessions
1.4.4:	<p>Network security will be maximized utilizing intrusion and detection hardware and software integrated through a PIX firewall and/or other emerging network protection technologies.</p> <p>LEA LRPT Correlates: LAS02, LAS05</p>	<p>State: Original</p> <p>Status: In Progress</p>	July 1, 2010- June 30, 2013	Technology Staff	Properly configured PIX Firewall in place and functioning; Network security software installation;
1.4.5:	<p>NCCISD constituents will conform to policies set forth in the NCCISD Internet and Technology Appropriate Use and Safety Policy (see Appendix B).</p> <p>Comments: Upgraded Internet filtering hardware and / or software will continue to be an integral part of our enforcing appropriate use for NCCISD technologies. Better teacher monitoring will help focus all students on productive Internet Activities. Administrators will continue to enforce a strict code of ethics concerning appropriate use of local technologies. Unscheduled and scheduled Internet use log checks by the technology coordinator will help enforce the Nueces Canyon CISD Internet Safety Policy and Internet/Technology Appropriate Use Policy. All teachers and faculty need to be more observant of the actions of all students while on the Internet. Administrator will continue to refine the consequences of not conforming to the NCCISD Appropriate Use Policy.</p> <p>LEA LRPT Correlates: LAS02</p>	<p>State: Original</p> <p>Status: In Progress</p>	July 1, 2010- June 30, 2013	Administrators, Technology Coordinator, and Teachers	Monthly Internet site reports and teacher observations

**OBJECTIVE 1.5:**

NCCISD will infuse technology to maintain and disseminate student information and district information in an effort to better communicate with parents, school officials, state agencies, and federal agencies.

*Budget Amount \$45,750.00*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 04b, 09

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.5.1:	NCCISD will use the updated SIS software for both PEIMS and business.  LEA LRPT Correlates: EP03, LAS02	State: Original  Status: In Progress	July 1, 2010- June 30, 2013	Technology Coordinator and Administrators	Software installed and operational
1.5.2:	A grade book that interfaces with RSCCC will be supported and implemented as part the process that allows parents the opportunity to monitor their child's progress from the NCCISD homepage.  LEA LRPT Correlates: LAS08, LAS14, TL06, TL09	State: Original  Status: In Progress	July 1, 2010- June 30, 2013	Administrators, Technology Coordinator, Teachers	Student grades and progress reports are web accessible for parents of students.
1.5.3:	Professional development will be offered to all faculty and staff members in the use of record keeping technologies for student records and business.  LEA LRPT Correlates: EP03, EP06, LAS04, LAS10	State: Original  Status: In Progress	Fall 2010 through Spring 2013	ESC XV, PEIMS director, Technology Coordinator, and administrators	Staff successfully using the record keeping technologies.

**GOAL 2: NCCISD staff and student performance will continuously improve.**

**OBJECTIVE 2.1:**

Nueces Canyon CISD will strive to have 100% of students achieve technology proficiency and academic success.

*Budget Amount \$30,000.00*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01

NCLB Correlates: 01

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.1.1:	NCCISD will use software such as WebCCAT and Study Island to determine student TEKS mastery levels and to help prepare for student stadardized testing (TAKS).  LEA LRPT Correlates: LAS08, TL01	State: Original  Status: In Progress	Fall 2010 through Spring 2013	Campus Teachers, Technology Coordinator, Curriculum Supervisors and Principals	Test results and statistics of software use
2.1.2:	NCCISD will develop and use a network shared integrated subject lessons database to be used in the instructional setting.  Comments: Internet subject lessons and other pre-existing subject lessons will be used in conjunction with locally developed lessons.	State: Original  Status: Planned	by Spring 2013	Teachers; Technology Coordinator	Growing teacher developed lessons database PDAS documentations

	LEA LRPT Correlates: TL05, TL06, TL09				
2.1.3:	NCCISD will implement technology proficiency benchmark assessments for K-8.  LEA LRPT Correlates: TL01, TL03, TL04, TL11	State: Original  Status: In Progress	Formative by Fall 2010; Summative by Spring 2011	Technology personnel in conjunction with instructional staff	Random Sample of Results
2.1.4:	NCCISD will offer video-on-demand via streaming video servers.  Comments: These services can be offered in conjunction with ESC15.  LEA LRPT Correlates: I05, TL08, TL09	State: Original  Status: In Progress	July 1, 2010-June 30, 2013	Campus Teachers and Instructional Technology staff	Steaming video servers in place and being implemented into learning.
<p><b>OBJECTIVE 2.2:</b></p> <p>Sustained professional development offerings will explicitly identify the staff and student needs that will be addressed.</p> <p><i>Budget Amount \$104,400.00</i> <i>LRPT category: Educator Preparation and Development</i></p> <p>E-Rate Correlates: ER02 NCLB Correlates: 01, 04b, 11</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.2.1:	All content area staff development offerings will include a technology integration component with emphasis on the SBEC Technology Applications Educator Standards and the Texas STaR Chart.  Comments: ESC XV training, online training, distance learning, and in-house training will be used.  LEA LRPT Correlates: EP03, EP04, EP05, LAS01, LAS03, LAS12, TL01, TL05	State: Original  Status: In Progress	July 1, 2010-June 30, 2013	Instructional Technology Staff	Mastery of the SBEC Technology Applications Educator Standards by educator; Staff development course descriptions; Rating of "Target Tech" for focus area G - Content Training on the Texas STaR Chart; the SBEC Technology Applications Educator Standards are incorporated into local educator appraisal systems.
2.2.2:	Focused staff development from multiple delivery methods will be continuously offered to support the management, monitoring, and classroom use of technology resources to improve learning by all students.  Comments: ESCXV, SWTNet, local, Internet, distance learning, mentors, TCEA, and/or training CD's will be sources of staff development. A variety of resources will be tapped.	State: Original  Status: In Progress	July 1, 2010-June 30, 2013	Instructional Technology Staff	Staff development course descriptions, improved Star Chart scores

	LEA LRPT Correlates: EP01, EP03, EP04, EP05, EP06, EP08, TL01, TL02, TL05, TL06, TL07, TL09				
2.2.3:	Staff development will be continuously assessed for effectiveness  LEA LRPT Correlates: EP05, LAS01, LAS03, LAS12, TL02, TL06	State: Original  Status: In Progress	July 2010 through June 2013	Instructional Technology Staff	Attendance rates;  Staff satisfaction surveys; Course evaluations; Improved Star Chart results; Improved mastery of the SBEC Technology Applications Educator Standards as indicated in PDAS
2.2.4:	Campus principals will incorporate teachers use and mastery level of the SBEC Technology Applications Standards as observed in PDAS walk-throughs and appraisals.  LEA LRPT Correlates: LAS12	State: Original  Status: In Progress	2010-2011, 2011-2012, 2012-2013	Campus principals	Documented remarks as to the mastery level of the SBEC Technology Applications Standards as a part of the teacher's end-of-year evaluation.
2.2.5:	Teachers will have release time and/or waiver days for technology staff development- especially for the mastery of the SBEC Technology Applications Standards.  LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP05, LAS03	State: Original  Status: In Progress	July 1, 2010 through June 30, 2013	administrators and technology coordinator	Scheduled waiver days for technology staff development
2.2.6:	Nueces Canyon CISD will encourage educator participation in the Master Technology Teacher program by providing incentives for participating teachers.  LEA LRPT Correlates: EP07	State: Original  Status: Planned	by Spring 2013	Superintendent and principals	Incentives budgeted and being awarded

**OBJECTIVE 2.3:**

100% of the teaching staff and students will use technology integration in the learning environment to increase TEKS mastery and learning.

*Budget Amount \$47,500.00*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 04a, 07

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.3.1: All staff members will be required to maintain daily records and grades using grade book software that can communicate information directly to the central office. All staff members will incorporate the TEKS for technology into their daily activities. All staff members will better utilize Internet labs and distance learning labs for gathering data and learning.  Comments: Private instruction by technology mentors, in-	State: Original  Status: In Progress	July 1, 2010 through June 30, 2013	Administration; Teaching staff; Technology Coordinator	Administrators will expect technology to be integrated into the individual teaching styles of the individual teachers as

	<p>service workshops provided by ESCXV, workshops by independent training services, distance learning training opportunities, and training on the Internet can aid in preparing our staff members how to better use the technologies available to them. In any case, a substantial portion of the local technology budget will be allocated for professional development.</p> <p>LEA LRPT Correlates: EP01, LAS01, TL01, TL02, TL05, TL06, TL07, TL08, TL09, TL10, TL11, TL12, TL14, TL15</p>				<p>evidenced by entries in daily lesson plans, use of technology in daily class walk-through's (PDAS), and the annual teacher evaluation process (PDAS).</p> <p>TEKS mastery levels will improve driving TAKS, college entrance test, and various achievement test scores higher.</p> <p>Scores in subsections D and F of the Texas STaR Chart will move higher.</p>
2.3.2:	<p>All elementary students will be given opportunities through assignments and projects to enhance, learn, and make practical the TEKS through activities similar to but not limited to the following: A. Use of computers in general: All students demonstrate knowledge and appropriate use of hardware components, software programs, and their related connections. B. Uses technological peripherals: All students use data input skills appropriate to the task with supervision. C. Uses of technology within legal boundaries: All students comply with laws and examine the issues regarding the use of technology in society with supervision. D. Uses computer for problem solving: All students use appropriate computer-based productivity tools to create and modify solutions to problems. E. Uses computer for communication: All students uses technology applications to facilitate evaluation of communications, both process and product. F. Use of keyboarding: All students are introduced to the keyboard, how to sit, how the hands should be placed, etc. G. Using the word Processor: All students use software to write their stories, save their work, proofread, correct errors and print, when appropriate. H. Using the computer and all of its components: Special needs students use the Lexia software as one of their programs. I. Using interactive programs: All students experience movement using the mouse, audio perceptions from either earphone or small speakers, and visual multi-sensory perceptions from graphic and textual programs. J. Using the interactive mouse: All students learn how to use the mouse from programs such as the Talking Clock, Money Board, and Sticker Store.</p> <p>Comments: All students must have accomplished minimal prerequisite skills to be successful with technology activities. All mentors and teachers must afford all students appropriate assistance.</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>July 1, 2010 through June 30, 2013</p>	<p>Administration; Technology Coordinator; Teaching Staff</p>	<p>Student products; Lesson Plans; Scores in subsections B, D, and F of the Texas STaR Chart</p>

	LEA LRPT Correlates: TL01, TL05, TL06, TL08, TL09, TL10, TL11				
2.3.3:	<p>All NCCISD Junior High/High School students will be given opportunities through assignments and projects to enhance, learn, and make practical the TEKS through activities similar but not limited to the following: A. Using the Internet: Contact seven students at seven high schools on the seven continents and obtain their major demographic information about their continent. B. Using a color graphics program: Present a collage with a single literary theme for an English Project. C. Using multimedia: Utilizing cooperative learning, do a multimedia presentation for a world geography lesson. D. Using a spreadsheet: Set up a budget for this year's Fellowship of Christian Students Club. E. Using a word processor: Create a 3-column brochure promoting student council membership. F. Using a database: In a World History Class, arrange the Kings of the Old Testament in their proper reigning times. G. Using a computer and LCD projector in a cooperative learning environment: Illustrate the Law of Supply and Demand with a multimedia report. H. Using a graphics program: in a Math Class contrast the differences in fractional parts using pie graphs, etc. I. Using Virtual Reality Models: Design a home with a CAD program. J. Using a graphics program: Create an invitation for a parent meeting at your school. K. Using multimedia software to make movies and VCD-Roms of projects and learning activities that can be marketed as a digital yearbook.</p> <p>Comments: All students must have accomplished minimal prerequisite skills to be successful with technology activities. Mentors and teachers must afford all students appropriate assistance.</p> <p>LEA LRPT Correlates: TL01, TL05, TL06, TL07, TL08, TL09, TL10, TL11</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>July 1, 2010 through June 30, 2013</p>	<p>Classroom Teachers; Administrators; Technology Coordinator</p>	<p>Student products; Lesson Plans; Scores in subsections B, D, and F of the Texas STaR Chart will increase.</p>
2.3.4:	<p>Adaptive/assistive devices and software will be installed as required by the ADA to make technology accessible to special needs staff members, students, and community members.</p> <p>Comments: External funding sources will be explored for part of the expense. Training must be provided for the use of this new equipment and software.</p> <p>LEA LRPT Correlates: EP09, I09</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>July 1, 2010 through June 30, 2013</p>	<p>Administration; Technology Coordinator</p>	<p>Adaptive/assistive devices installed</p>
2.3.5:	<p>With the guidance of mentors, technology teachers, and the technology coordinator, NCCISD students and advanced technology students will contribute to the NCCISD yearbook and digital yearbook as part of their learning experience.</p> <p>Comments: Students must be taught how to use the software, deal with security issues, and how to use the equipment properly, how to capture and edit graphics, how to animate graphics, and how to use digital inputting devices. A scheme of security must be in place to keep the possibility of electronic vandalism low. Students will be given passwords to the network shares for which they are responsible.</p> <p>LEA LRPT Correlates: TL04, TL06, TL08, TL09</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>July 1, 2010 through June 30, 2013</p>	<p>Technology Coordinator; Teaching Staff</p>	<p>Quality production of an annual yeabook and digital year book</p>
2.3.6:	<p>Teachers will implement strategies and classroom activities that model and demonstrate the level of student mastery of</p>	<p>State: Original</p>	<p>Fall 2010 through</p>	<p>Teachers and instructional staff</p>	<p>Successfully completed</p>

grade specific TEKS technology proficiencies though student produced products.  LEA LRPT Correlates: TL01, TL05, TL06, TL07, TL09	Status: In Progress	May 2013	student technology products that demonstrate the level of mastery of the TEKS technology proficiencies.
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#### OBJECTIVE 2.4:

Technology will be utilized to collect and provide timely access to valid, reliable data to facilitate decision-making on a variety of improvement issues.

*Budget Amount \$12,500.00*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 07, 11

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.4.1: Campus and district administrators will use database and spreadsheet technologies to collect, analyze, and report a variety of data addressing campus improvement issues.  LEA LRPT Correlates: LAS08	State: Original  Status: In Progress	July 1, 2010 through June 30, 2013	Campus administrators; Instructional Technology Staff	Annual campus improvement plans
2.4.2: Current assessment software that helps determine the degree to which learners are mastering the TEKS technologies proficiencies will be researched and installed on district servers for use throughout the district.  LEA LRPT Correlates: TL01, TL04, TL05, TL06	State: Original  Status: In Progress	July 1, 2010 through June 30, 2013	Administrators; Technology Coordinator;	Updated assessment software installed and functioning.

#### OBJECTIVE 2.5:

NCCISD will enhance the TEKS aligned educational software available to students.

*Budget Amount \$40,100.00*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 03, 04a, 05, 07

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.5.1: An annual software needs assessment will expose the educational areas that require additional software purchases. The software will be purchased and installed by the following year.  Comments: Lab instructors and teachers must know what areas of student learning need to be addressed and what software packages meet the need. The Technology Planning Committee will need to be an integral part of the needs assessment process by polling teachers, administrators, and students about areas of learning that need attention.  LEA LRPT Correlates: LAS01, TL04, TL05, TL06, TL09	State: Original  Status: In Progress	May 2011, May 2012, May 2013	Teachers; Instruction Lab facilitators; Technology Coordinator	Completed assessment surveys; New software installed at the appropriate location
2.5.2: NCCISD will budget monies for the renewing of licensing and yearly maintenance contracts for existing educational software and Internet subscriptions that align with the TEKS in order to	State: Original	July 1, 2010 through	Technology Coordinator	Current licensing and upgrades installed



keep the most current software versions.	Status: In Progress	June 30, 2013		
Comments: Only software that has a proven track record with our students will be renewed.				
LEA LRPT Correlates: I01, LAS08, TL05, TL06, TL09				

**OBJECTIVE 2.6:**

NCCISD will better integrate advanced or college coursework into the curriculum using the distance-learning lab, online AP courses, and other online coursework.

*Budget Amount \$7,500.00*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01

NCLB Correlates: 02, 03, 07, 08, 12

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
<p>2.6.1: NCCISD administrators and counselors will promote the use of the distance learning labs and online content by students for advanced coursework by: 1)Providing academic incentives to students who enroll, 2)Providing scholarships or helping defray the cost of enrollment, 3)Scheduling courses during the normal school day</p> <p>Comments: Students must meet the prerequisite skill level of the course and possibly, depending on the type of course, have to have passed the TASP.</p> <p>LEA LRPT Correlates: LAS13, LAS15, TL15, TL16</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>July 1, 2010 through June 30, 2013</p>	<p>Administrators; Counselor; Technology Coordinator; Distance Learning Facilitator/Coordinator</p>	<p>Classes scheduled and students enrolled</p>
<p>2.6.2: Nueces Canyon CISD will offer accredited online content courses (like the Texas Virtual School) to students wishing to take AP courses and other courses or to students that need to recapture credits (like e2020).</p> <p>LEA LRPT Correlates: LAS15, TL09</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>July 1, 2010 through June 30, 2013</p>	<p>Administrators; Counselor</p>	<p>Students enrolled in online courses</p>

**GOAL 3: Communication with parents and the community will continuously improve.**

**OBJECTIVE 3.1:**

Technology tools will be used to facilitate improved communication with parents and the community.

*Budget Amount \$23,300.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

NCLB Correlates: 03, 09

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
<p>3.1.1: A district web site will be maintained that provides access to school and non-classified student information.</p> <p>Comments: Our district web server will host information concerning both campuses.</p> <p>LEA LRPT Correlates: I06, I08, I09</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>July 1, 2010 through June 30, 2013</p>	<p>Technology Coordinator and webmaster</p>	<p>Maintained district web site; Web hits counted;</p>

3.1.2:	A local district e-mail server will be maintained to enhance parent to school communication and staff/student connectivity.  LEA LRPT Correlates: I03, I06, I08, I09, LAS08, LAS09, LAS11	State: Original  Status: In Progress	July 1, 2010 through June 30, 2013	Technology Coordinator	Functioning e-mail server installed and e-mails being sent and received
3.1.3:	All campus libraries will provide Internet access to community members as well as staff and students.  LEA LRPT Correlates: I03, I08, I09, LAS09, LAS11	State: Original  Status: In Progress	July 1, 2010 through June 30, 2013	Campus librarians; Campus administrators	Designated community access computer stations in libraries

GOAL 4: All students will receive instruction that incorporates strategies that address their diverse learning needs.

OBJECTIVE 4.1:

100% of instructional staff will use strategies that are appropriate to the individual needs of students and include responsiveness to our diverse learning community.

*Budget Amount \$2,000.00*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01

NCLB Correlates: 01, 04a, 07, 11

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
4.1.1:	A technology integration assessment for all teachers will be developed and administered.  Comments: Popular on-line assessments will be used.  LEA LRPT Correlates: LAS12, TL06, TL07, TL08	State: Original  Status: Planned	by Fall 2011	Technology Coordinator; Campus Administrators	Survey results
4.1.2:	All teachers will develop and present curriculum integration activities in their classrooms using technology.  LEA LRPT Correlates: EP05, I05, I09, LAS03, LAS10, TL01, TL04, TL06, TL08, TL09, TL11	State: Original  Status: In Progress	July 1, 2010 through June 30, 2013	Technology Coordinator; Campus administrators	Classroom observations; Lesson plans; An "Advanced Tech" score for Focus Area A - Impact of Technology on the Texas STaR Chart
4.1.3:	All NCCISD staff will be knowledgeable of what outcomes are expected from the all students by the TEKS at the various grade levels. Faculty members will compare student products with the expectations of the TEKS and assure that the student is accomplishing mastery of the TEKS. Project assignments and activities should serve as assessment tools for the level of TEKS mastery. It will be the duty of all the faculty members to assess and re-teach as the need arises until all of their students can obtain the maximum level of mastery. Teachers can use TAKS results and a partial assessment of student mastery. College entrance exam scores such as the ACT and SAT tests can also serve as a benchmark of student achievement. Assessment is critical to streamlining the technology projects at NCCISD. Every effort will be made to correlate the use of technology with greater student outcomes.  Comments: Faculty members must be educated on new and innovative	State: Original  Status: In Progress	July 1, 2010 through June 30, 2013	Instructional Staff; Counselor; Administrators	The level of mastery of the TEKS for the particular student grade level.

ways to implement the TEKS in class projects and activities. In-service sessions with ESCXV during summer in-service days will help prepare the staff members.					
LEA LRPT Correlates: EP03, EP06, LAS08, TL01, TL05, TL06					
<b>OBJECTIVE 4.2:</b> 100% of instructional staff will have access to and use a variety of resources to address the individual needs of students.  <i>Budget Amount \$70,000.00</i> <i>LRPT category: Teaching and Learning</i>  E-Rate Correlates: ER01 NCLB Correlates: 01, 02, 03, 07, 08, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.2.1:	All teachers will utilize presentation stations, student stations, and peripherals, including videoconferencing, and video over IP to enhance learning.  LEA LRPT Correlates: I01, I04, I06, TL01, TL08, TL09, TL16	State: Original  Status: In Progress	Fall to Spring of 2010-11, 2011-12, 2012-13 school years	Campus administrators;  Teachers; Technology Coordinator	Student and teacher access surveys; Classroom observations; Rating of "Advanced Tech" for Focus Area B - Patterns of Teacher Use and Focus Area C - Frequency/Design Using Digital Content on the Texas STaR Chart
4.2.2:	By NCCISD observing the district obsolescence policy, all campuses/classrooms will have adequate access to up-to-date technologies .  LEA LRPT Correlates: I01, I02, I04, I06, I07, I08, LAS01	State: Original  Status: In Progress	July 1, 2010 through June 30, 2013	Technology Coordinator; Administrators	Teacher access survey Technology committee discussions

**GOAL 5:** Nueces Canyon CISD embraces the entire community with the district's educational technologies.

**OBJECTIVE 5.1:**

NCCISD will offer its distance learning labs and computer labs for community use.

*Budget Amount \$6,000.00*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01

NCLB Correlates: 08, 10, 12

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
5.1.1:	NCCISD will expand its roll as a distance learning site by scheduling more classes during the evening hours for individuals who wish to take college courses, other worthwhile courses, and/or adult literacy courses that supplement our existing in-house adult literacy classes.  Comments: A trained facilitator must be in place at all distance learning sessions.	State: Original  Status: Planned	July 1, 2010 through June 30, 2013	Distance Learning Facilitator/Coordinator;  Administrators; Technology Coordinator	Community courses scheduled and people enrolled

	LEA LRPT Correlates: I09, LAS07, LAS09, LAS15, TL09, TL13, TL15				
5.1.2:	NCCISD will host community technology training courses.  LEA LRPT Correlates: TL15	State: Original  Status: Planned	Various times between July 2010 and June 2013	NCCISD Staff; Technology Coordinator; Administrators	Scheduled community training sessions
5.1.3:	NCCISD will make available its library technologies for community use.  Comments: Planning must set the hours of public use.  LEA LRPT Correlates: LAS13, TL15	State: Original  Status: In Progress	July 1, 2010 through June 30, 2013	Librarians	Community use of school libraries

GOAL 6: Nueces Canyon CISD will provide a robust infrastructure that meets the needs of students, faculty, staff and the community.

OBJECTIVE 6.1:

NCCISD will seek a wide variety of funding sources to subsidize the installation of network connectivity, network resources, and other educational technologies in an effort to have new technologies available to its constituents.

*Budget Amount \$320,000.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

NCLB Correlates: 03, 05, 06

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
6.1.1:	In an effort to keep our network up-to-date, NCCISD will continually acquire and update essential network equipment and services (like switches, Ethernet drops, fiber, bridges, routers, modems, wireless technologies, video technologies, Voice over IP, cabling, firewalls, UPS's, emerging technologies, maintenance agreements and servers) that supports its technology projects using E-Rate, local, and/or grant funds.  LEA LRPT Correlates: I01, I02, I06, I07, I09, LAS01, LAS02	State: Original  Status: In Progress	July 1, 2010 through June 30, 2013	Administration;  Technology Coordinator	Up-to-date, efficient, and well maintained network infrastructure
6.1.2:	NCCISD will annually sustain and improve its telecom services and Internet service by using local funds, applying for E-Rate, and/or other funding sources.  Comments: Telecom and Internet services include T1 lines, long distance, cellular, ISP, wireless broadband, digital transmission services, telephone, Centrex, maintenance agreements, Voice over IP, and other services that support and maintain the operation of district technologies.  LEA LRPT Correlates: I01, I02, I06, I07, I08, I09, LAS01, LAS02, LAS04, LAS14	State: Original  Status: In Progress	July 1, 2010 through June 30, 2013	Administrators;  Technology Coordinator; Business manager	Continued funding for Telecom and Internet service by E- Rate, grants, WADA, local, and other funds
6.1.3:	NCCISD will install a VOIP or other technology telephone systems that replaces old technology and/or allows each individual classroom to have telephone access.  LEA LRPT Correlates: I01, I08	State: Original  Status: Planned	by Summer 2013	Superintendent and Technology coordinator	Telephones in place and operational

OBJECTIVE 6.2:

Bandwidth between campuses will increase from 54 Mbps to 100 Mbps or greater.

*Budget Amount \$90,000.00*

<p><i>LRPT category: Infrastructure for Technology</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 03, 05</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
6.2.1:	<p>NCCISD will install a full duplex 100 Mbps or greater network connection between campuses for increased bandwidth.</p> <p>Comments: The bridge will be used parallel to the existing bridge for even greater bandwidth.</p> <p>LEA LRPT Correlates: I01, I02, I05, I06, I07, I09</p>	<p>State: Original</p> <p>Status: In Progress</p>	by Fall 2010	Technology Coordinator	Bridge in place and functioning properly
<p>OBJECTIVE 6.3:</p> <p>NCCISD will increase bandwidth to the internet.</p> <p><i>Budget Amount \$28,800.00</i></p> <p><i>LRPT category: Infrastructure for Technology</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 03, 05</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
6.3.1:	<p>NCCISD will seek an E-Rate eligible link to the Internet that is greater than 3Mbps.</p> <p>LEA LRPT Correlates: I01, I05, I06, I08, I09</p>	<p>State: Original</p> <p>Status: In Progress</p>	by June 2011	Technology Coordinator; Administrators	Higher connection speed to the Internet
<p>OBJECTIVE 6.4:</p> <p>Ample and proper electrical service and all essential retrofitting will be provided for present and future technologies.</p> <p><i>Budget Amount \$19,500.00</i></p> <p><i>LRPT category: Infrastructure for Technology</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 03</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
6.4.1:	<p>NCCISD will retrofit buildings for new technologies by assuring proper and ample electrical service, air conditioning, and any structural modifications that must be made to accomodate the district's technology.</p> <p>LEA LRPT Correlates: I01, I02</p>	<p>State: Original</p> <p>Status: In Progress</p>	July 1, 2010 to June 30, 2013	Administrators; Maintenance; Technology Coordinator	Appropriate retrofitting for new and existing technologies.
<p>OBJECTIVE 6.5:</p> <p>NCCISD will update or replace its existing servers.</p> <p><i>Budget Amount \$22,900.00</i></p> <p><i>LRPT category: Infrastructure for Technology</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 03, 05</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>

6.5.1:	Driven by the NCCISD obsolescence policy, existing e-mail, DNS, Web, and DHCP servers and accompanying UPS's will be upgraded, replaced or augmented.  Comments: NCCISD will seek E-Rate funds for these servers.  LEA LRPT Correlates: I01, I02, I07	State: Original  Status: Planned	by June 2011	Technology Coordinator	New or upgraded servers in place
<p>OBJECTIVE 6.6:</p> <p>NCCISD will enhance its IP-TV infrastructure.</p> <p><i>Budget Amount \$32,000.00</i> <i>LRPT category: Infrastructure for Technology</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 03, 05</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
6.6.1:	NCCISD will install necessary infrastructure that allows IP Video to the desktop. NCCISD will install desktop video equipment to computers for live video conferencing anywhere in the district.  Comments: This cutting-edge technology will require training at several tiers of operation. 1)The network administrator will need training on how to manage the data flow. 2)Teachers will need to train on how to use the equipment and integrate it into daily activities. 3)Administrators will need to train on the legal ramifications of live video in the classroom.  LEA LRPT Correlates: I03, I05, LAS15, TL16	State: Original  Status: Planned	by Fall 2011	Administration;  Technology Coordinator	IP Video equipment installed and operational

## Budget

Total amount of Title II, Part D formula funds received for the current year of this plan: \$1,717.00

Method of application for formula funds: REAPed

Budget year 2010		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$34,800.00	95% Local Funds (may include WADA Gain funds) 5% Technology Allotment
Telecommunications & Internet Access	\$59,000.00	\$59,000 E-Rate Project (About 80% E-Rate Funds About 20% Local Funds depending on discount rate) (May include WADA Gain funds)
Materials & Supplies	\$33,600.00	98% Local Funds (may include WADA Gain funds) 2% Technology Allotment
Equipment	\$35,000.00	\$25,000 HS Port16 Lab Computer replacement- 100% Local if a grant cannot be secured \$10,000 Multimedia Infusion- 100% Local if a grant cannot be secured
Maintenance	\$46,000.00	About 64% E-Rate Funds(Basic Maint. and Support) About 9% Tech Allotment About 27% Local Funds (may include WADA Gain funds)
Miscellaneous Expenses	\$34,850.00	100% Local Funds (may include WADA Gain funds)

Total	\$243,250.00	
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Budget year 2011

Budget item	Cost	Funding Sources with amount per source
Staff Development	\$34,800.00	95% Local Funds (includes WADA Gain funds) 5% Technology Allotment
Telecommunications & Internet Access	\$59,000.00	\$59,000 E-Rate Project (About 80% E-Rate Funds About 20% Local Funds depending on discount rate) (May include WADA Gain funds)
Materials & Supplies	\$33,600.00	98% Local Funds (includes WADA Gain funds) 2% Technology Allotment
Equipment	\$335,000.00	\$25,000 Replace JH/HS Lab Computers- 100% Local if a grant cannot be secured \$5,000 Computers for Elem. Lib. (5)- 100% Local if a grant cannot be secured \$5,000 Elem & JH/HS Resource Computers (8 to 10) (Federal Funds) \$300,000 dollar E-Rate Project (80% E-rate Funds and 20% Local Funds)
Maintenance	\$46,000.00	About 54% E-Rate Funds (Basic Maint. and Support) About 9% Tech Allotment About 37% Local Funds (may include WADA Gain funds)
Miscellaneous Expenses	\$35,000.00	100% Local Funds (may include WADA Gain funds)
Total	\$543,400.00	

Budget year 2012

Budget item	Cost	Funding Sources with amount per source
Staff Development	\$34,800.00	95% Local Funds (may include WADA Gain funds) 5% Technology Allotment
Telecommunications & Internet Access	\$59,000.00	\$59,000 E-Rate Project (About 80% E-Rate Funds About 20% Local Funds depending on discount rate) (May include WADA Gain funds)
Materials & Supplies	\$35,000.00	98% Local Funds (may include WADA Gain funds) 2% Technology Allotment
Equipment	\$85,000.00	\$40,000 HS/Elem Mobile Laptop Labs- 85% Grant and 15% Local \$20,000 Instructional Multimedia 100% Local \$25,000 Replacement equipment 100% Local
Maintenance	\$46,000.00	About 68% E-Rate Funds (Basic Maint. and Support) About 9% Tech Allotment About 23% Local Funds (may include WADA Gain funds)
Miscellaneous Expenses	\$38,000.00	100% Local Funds (includes WADA Gain funds)
Total	\$297,800.00	

Evaluation

Evaluation Process:

On an annual basis (at least), campus principals will gather results from the AEIS, student TAKS scores, and the Texas STaR Chart and assess them to determine areas that need improvement.

The principals will then report to the technology committee and/or the site base committee concerning the results and make recommendations as to the areas that need addressing.

The technology planning committee will evaluate the progress of the implementation the plan and make updates to the plan by focusing on the needs established by the site base committee and/or the technology planning committee.

The technology planning committee will meet at least one time per year to evaluate how well the goals, objectives, and strategies in the technology plan are being met and to update the plan for better alignment with evolving needs.

The technology planning committee will communicate all data and recommendations to the principals and superintendent at each meeting.

The principals will update their respective campus STaR Charts at least annually.

Evaluation Method:

Integrating technology into curriculum and instruction :

- Lesson plans and six weeks logs of student to technology contact time
- Observed student integration of technology skills in core curriculum areas by administrators
- Principals will indicate the measure of technology integration in PDAS.
- Quantity and quality of student created products as documented by teacher surveys
- Rising scores in all focus areas of the "Teaching and Learning" key area of the Texas STaR Chart

Increasing the ability of teachers to teach:

- Documentation of staff development and training
- Teacher use of software and technology to enhance instruction as evidenced in lesson plans
- Better Profiler and/or self evaluation results by each individual teacher
- Rising scores in all focus areas of the "Educator Preparation and Development" key area of the Texas STaR Chart

Enabling students to meet challenging state academic standards:

- Lesson plans and evidence of student generated products
- Observed student integration of technology in core curriculum areas
- Increasing inventory of learning enhancing technology equipment
- Comparison of AEIS and TAKS Scores

Acquiring and deploying technologies and telecommunication services:

- Purchase orders and vendor invoices
- Administrators and the technology coordinator will evaluate Nueces Canyon CISD technology and telecommunication services on a continuing basis and will take measures to insure maintenance of an efficient telecommunications infrastructure.
- Rising scores in all focus areas of the "Infrastructure for Technology" and "Administration and Support" key areas of the Texas STaR Chart

Meeting timelines for implementation:

- Adopted budget reflects funding of strategies to be implemented
- Streamlined planning in place
- The technology planning committee evaluates the plan's timeline in each annual meeting and makes recommendations to administrators if timelines are not being met.

## Appendix



Attachment item A:

Nueces Canyon C.I.S.D. Internet and Technology Acceptable Use and Safety Policy

- Document:  <http://www.nccisd.net/Documents/Technology/AUP2009v2.doc>

Attachment item B:

Nueces Canyon CISD Obsolescence Policy

- PDF file:  <http://www.nccisd.net/Documents/Technology/obpolicy.pdf>

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NUECES CANYON CISD does not discriminate on the basis of sex, disability, race, color, age, or national origin in its educational programs, activities, or employment as required by Title IX, Section 504 and Title VI.