

NEW BRAUNFELS ISD Technology Plan

2010 - 2013

Randy Moczygemba

SUPERINTENDENT

DISTRICT PROFILE

ESC Region 13
City, State Zip NEW BRAUNFELS, TX 78130
Phone (830) 643-5700
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County District Number 046901

Number of Campuses	12
Total Student Enrollment	7823
District Size	5,000 - 9,999
Percent Econ. Disadvantaged	41.77%

Technology Expenditures	\$6,475,795.69
Technology budgets reported in plan by category	Teaching and Learning Budget \$463,850.00 Educator Preparation and Development Budget \$691,362.69 Leadership, Administration and Support Budget \$156,000.00 Infrastructure for Technology Budget \$5,164,583.00 Total: \$6,475,795.69
Technology Expenditure Per Pupil	\$827.79
Number of Campuses with Direct Connection to Internet	12
Percentage of Campuses with Direct Connection to Internet	100.00%
Number of Classrooms with Direct Connection to Internet	520
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	12
Percentage of campuses that have completed the Texas Campus STaR Chart	100.00 %

Plan Introduction

Plan Last Edited 06/04/2010

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

Does the district file E-Rate? yes

The district had a "written" plan before E-Rate Form 470 was filed on 01/12/2010.

Technology Planning Committee

Special thanks go to these people for their active participation and contributions in the completion of this Technology Plan:

Wendy McMullen - Principal - Carl Schurz Elementary
Melissa Garffer - Teacher - Carl Schurz Elementary
Richard Bartholomew - Community Member - Carl Schurz Elementary
Norma Cowan - Teacher - OakRun Middle School
David Heefner - Teacher - OakRun Middle School
Denise Byars - Counselor - Walnut Springs Elementary
Mary Ellen Yonker - Librarian - Walnut Springs Elementary
Brandon Tucker - Parent - Lone Star Elementary
Cynthia Leslie - Teacher - Lone Star Elementary
Kristen Gaylord - Campus Tech Aide - Memorial Elementary
Shirley Cabada - Librarian - Memorial Elementary
RJ Roper - Teacher - Klein Road Elementary
Leah Droddy - Teacher - Klein Road Elementary
Ben Mathews - Teacher - County Line Elementary
Jennifer Anaya - Teacher - County Line Elementary
Stacy Domanski - Teacher - Seele Elementary
Michelle Simmonds - Teacher - Seele Elementary
Audrey Barber - Interventionist - Lamar Elementary
Kathryn Blake - Teacher - Lamar Elementary
Greg Lynch - Parent - New Braunfels Middle School
Amber Heitkamp - Teacher - New Braunfels Middle School
Jackie Simmonds - Teacher - New Braunfels High School
Julie Estes - Teacher - New Braunfels High School
George Berry - Teacher - New Braunfels High School
Cathy Linebarger - Teacher - The Learning Center
Dee Oliver - Technology Department Secretary
Mike Nott - Director of Technology
Jeffrey Lee - Information Systems Manager
Kari Cooper - Instructional Technology Specialist
Carol Cochran - Instructional Technology Specialist

Executive Summary

Today's students naturally infuse technology into the way they think, work, play and communicate. The versatility and innovation of this technology provides a perfect platform of learning and thinking in a 21st Century society. It is through this platform that New Braunfels ISD will challenge, motivate, and inspire our students. NBISD recognizes the need to develop teachers who are capable of creating such an environment. As a district we will provide our teachers with a strong foundation of technology resources, professional development, and ongoing instructional guidance so that they will be able to engage learners, promote discovery, and empower our students. Through this paradigm shift, we will intellectually challenge our students to effectively create, communicate, collaborate, and connect to their own learning.

Purpose

The New Braunfels Independent School District Long-Range Technology Plan has been developed to communicate a common vision for technology in the district and establish strategies that will unite emerging technologies and student centered education to improve academic achievement for all students. This plan will also help build the capacity of all teachers to integrate technology effectively into curriculum and instruction. NBISD has prepared this Technology Plan as a guideline to cover all areas of technology during the 2010-2013 time period. Due to the ever changing nature of technology, the plan is designed to embrace both current and emerging technologies, and will serve as the framework for future technology expansion while addressing district goals and objectives.

Background

This plan is based on information drawn from many sources including:

- A review of the literature to identify best practice
- An inventory of school site hardware and instructional software
- The STaR Chart survey completed by campus administrators, library media specialists, and classroom teachers
- Planning sessions with District Technology Committee, which has representation from campus teachers, administrators, community members, media specialists, district curriculum specialists and technology personnel
- Technology plans of other like districts
- Budgets for technology including local, state, and grant funds
- District level assessment (Student Tech Assessment, Technology/Campus Needs Assessment)
- Visits to other technology leading districts
- Online educational resources (Partnership for 21st Century Skills, Edutopia)

Parameters

This Long-Range Technology Plan is driven by the state curriculum standards, the No Child Left Behind Act of 2001, and supports the educational mission and instructional goals of New Braunfels ISD. Specific attention is given to addressing student standards for technology as defined by the Technology Applications Texas Essential Knowledge and Skills (TEKS), required in the Texas Education Code, Section 28.002. The Technology Applications TEKS found in 19 TAC Chapter 126 describe what students should know and be able to do using technology. As a part of the enrichment curriculum, these TEKS are to be used as guidelines for providing instruction. The goal of the Technology Applications TEKS is for students to gain technology-based knowledge and skills and to apply them to all curriculum areas at all grade levels. This plan stresses the importance of ongoing and sustained staff development in the integration of technology into the curriculum for teachers, principals, administrators, and school library media personnel to further the effective use of technology in the classroom and library media center. It also is consistent with the recommendations for LEA's as defined by the Texas Long-Range Plan for Technology in the areas of Teaching and Learning, Educator Preparation, Leadership and Development, Administration and Support Services, and Infrastructure for Technology, as well as the e-rate applications guidelines and other state standards, such as Technology Applications Standards for Beginning Teachers.

Vision Statement

All students in New Braunfels ISD will achieve proficiency in evolving technologies to support communications, critical thinking/problem-solving, creativity, interpersonal skills, global awareness, economic/social responsibility and civic literacy.

Mission Statement

Through the use of information and communication technologies, New Braunfels ISD will engage, nurture, and challenge all learners to achieve academic and future excellence.

Needs Assessment

Assessment Process:

Assessment Process:

New Braunfels ISD has 12 campuses: one high school with grades 9-12, two middle schools with grades 6 - 8, eight elementary campuses, and one school that consists of a DAEP (District Alternative Educational Placement) campus and a School of Choice for high school students. A comprehensive needs assessment utilizing surveys, focus groups, inventories, and the completion of the Texas Campus STaR Chart was conducted to analyze the current status of technology in the district and determine future needs. Items analyzed included: infrastructure, hardware, software, programs, courses, student achievement, technology resources, staff development, and technical support.

Existing Conditions:

Technology Resources

The following resources are provided:

- Subscriptions to online resources for teachers and students including databases and encyclopedias (Digital Knowledge Central, GAIL Group, Britannica Online, Texas Math and Science Diagnostic System).
- Online Latin courses for high school students.
- Video Streaming from Discovery Streaming.
- AR and STAR reading programs.
- A+ Learning Systems for Credit Recovery.
- Successmaker, Waterford, and Read Naturally systems in place for math and reading intervention.
- Digital cameras, scanners, video cameras, and digital projectors for checkout.
- Library access to adult literacy resources on the web for all community members.
- Microsoft Office 2007 or iWorks 09 on every computer.
- Various instructional software accessible by all teachers includes: Inspiration/Kidspiration, Inspired Data, Comic Life, KidPix, iLife 09 (iPhoto, iMovie, Garageband, iDVD), Learning.com

Staff Training

The following technology staff development is currently in place:

- All teachers are required to take the Texas Teacher STaR Chart survey each year.
- Proficient teachers in the district provide training to other teachers.
- Summer Training opportunities are available for teachers on a variety of topics including courses to receive G/T update hours, multimedia, online resources, Podcasting, and more.

Technical Support

The following technical support is currently in place:

- Three full time computer technicians are employed by the district for 4400 machines.
- One phone systems technician.
- Technical support requests are submitted to the technicians by the users via a communication ticketing system. The technicians respond according to need.
- Technical support agreements are purchased with instructional software packages and new hardware purchases.
- Each campus has at least one full time Technology Aide.

Current Situation

The following technology is currently in place:

District-Wide

- Tipping Point Intrusion Protection system (helps in preventing spyware, p2p sharing, hacking attempts, Trojans, Worms, and reconnaissance attacks).
- Packeteer system monitors and shapes network traffic leaving and coming into our network.
- CISCO Intrusion Detection system.
- CISCO Cache engine for quicker access to multiple hit web pages.
- District wide SUS server for Microsoft update delivery to PC workstations.
- District wide Symantec server for workstation virus protection update delivery

system.

- VPN Access for administrators.
- PIX firewall.
- UPS systems in all MDF locations with temperature monitoring and pager alerts.
- Radius and TACACs AAA Authentication for security.
- Wireless 802.11 A,B, and G compliant.
- Region 13 content filtering.
- District Gig backplane with Category 5 enhanced gig to every workstation.
- Tier 3 level district backup including RAID Drives and tape carousel systems using retrospect licensing.
- All Servers using RAID, Fault Tolerant, and Hot Swappable technology.
- Video Security DVR system at HS and Middle School (installed and designed by NBISD Maintenance Director).
- District is on NBISD owned private fiber optic lines.
- In house telephone and voicemail system with E 911 alert.
- FirstClass Communication Systems which allow for electronic mail as well as electronic collaboration.
- Subfinder – web based substitute scheduling system; district wide food service reporting and software.
- ITCCS financial and student data management.
- Video production studio for Channel 98 to the city of New Braunfels.
- Distance learning equipment - qty 3
- Video Streaming server for district wide instruction oriented delivery.
- Direct connection to the Internet via a 40 Meg fiber optic pipe through AT&T to our Region Service Center.
- District web servers in place providing comprehensive district information and student work.
- District networked PBX telephone system that connects all buildings in the district.
- Each campus is currently connected to central voice and data hubs via fiber optic cabling.
- Direct connection to the Internet via fiber optics.
- Written policies in place on acceptable use of the Internet, Website content, network management, and equipment donations.
- Professional Development management system, including online professional development.
- Online Course Delivery system
- Intranet student testing and special education database delivered via FileMaker Pro.

New Braunfels High School

- Direct connection to the Internet via fiber optics
- Web site maintained by designated teacher with high school information.
- Gigabit switched LAN with nearly 850 computers and 5 servers for student and teacher use.
- Offices and every classroom equipped with digital phones and voicemail.
- Computer-ready 32" televisions in every room connected to a CATV system with cable access to 16 channels. Media Extreme for scrolling school information. DVD players are available for checkout.
- Eight computer labs where classes are taught in Career and Technology as well as Technology Applications.
- Multipurpose lab for teachers to bring their classes to use 30 networked computers.
- Broadcast Journalism class that hosts daily live morning announcements.
- Large Group Instruction room with electricity and data to support 85 participants in an auditorium setting with a state-of-the-art presentation station.
- Networked online card catalog, Internet access, and automated checkout in the library.
- 47 computers in the library for student research.
- Peripheral equipment is available for teacher check out.
- Tx Gradebook, an application of ITCCS, is used for grades, attendance, progress reports, and report cards.
- Two wireless mobile laptop carts available for checkout.
- Wireless access across the building.

The Learning Center

- Direct connection to the Internet via fiber optics
- Web site maintained by the staff.
- Gigabit switched LAN with nearly 100 computers.
- Offices and every classroom equipped with digital phones and voicemail.
- Multipurpose lab used for Credit Recovery and advancement through A+ LS, consists of 46 computers.
- Tx Gradebook, an application of ITCCS, is used for grades, attendance, progress reports, and report cards.
- One wireless mobile laptop cart available for checkout.
- Wireless access across the building.
- Mini lab for student use.

New Braunfels Middle School and Oak Run Middle School

- Direct connection to the Internet via fiber optics
- Web site maintained by campus technology aide.
- Gigabit switched LAN with over 500 computers at NBMS and 300 computers at Oak Run. NBMS has 3 servers and Oak Run has 2 for student and teacher use.
- LAN provides for at least five network drops in each classroom.
- Offices and every classroom equipped with digital telephones and voicemail.
- Two computer labs for Multimedia and Technology Applications classes at both New Braunfels Middle School and Oak Run Middle School.
- One Synergistic Lab at each campus.
- One Media Lab near the library at each campus designed for student collaboration. These labs have 30 computer stations, a scanner, a networked printer, and a data projector.
- 12 computers in the Middle School library and 10 computers in the Oak Run library.
- Networked online card catalog, Internet access, and automated checkout in the libraries.
- Peripheral equipment such as digital/video cameras, scanners, data projectors, document cameras and science probeware are available for teacher check out.
- Tx Gradebook, an application of ITCCS, is used for grades, attendance, progress reports, and report cards.
- Two wireless mobile laptop carts available for checkout at each campus.
- Wireless access throughout each building.
- Media Extreme system for campus communications delivered through head-in equipment.

Elementary Campuses

- Direct connection to the Internet via fiber optics.
- Web site maintained by designated campus staff.
- Gigabit switched LAN with over 250 computers at each school. Each elementary campus has at least 1 server for student and teacher use.
- LAN provides for at least five network drops in each classroom.
- Offices and every classroom equipped with digital telephones and voicemail.
- Each library has 7-10 computers.
- Networked online card catalog, Internet access, and automated checkout in the library.
- Peripheral equipment such as digital/video cameras, scanners, data projectors, document cameras and science probeware are available for teacher check out.
- Gradebook, an application of ITCCS, is used for grades, attendance, progress reports and report cards
- Wireless laptops available for checkout at each campus.
- Wireless access in some places in the building.
- All elementary schools have at least one networked computer lab
- Each campus has a Technology Aide.

Technology Needs:

Technology Needs:

New Braunfels ISD desires to raise the bar for all teachers to fully integrate technology into the curriculum. The goal is to provide opportunities for each student to actively participate in their learning through the use of new instructional technology devices, that will ultimately lead to a restructuring of classroom parameters. In order to obtain such a standard we must:

Maintain district curriculum frameworks aligning technology TEKS for each grade level/core curriculum area.

Provide additional opportunities through Staff Development classes, both face-to-face and online, that enable teachers to learn how to integrate technology into their curriculum with an emphasis on student-centered learning with project-based activities or collaborative projects.

Provide additional classroom technology such as: mounted classroom projector, interactive devices, mobile learning devices, and/or computers, in addition to future promising technologies.

Continue infrastructure maintenance agreements for network hardware which provide connectivity on district owned fiber and telecommunication systems.

Upgrade Wireless infrastructure across the district in order to fully support additional classroom technologies.

Evaluate the potential upgrade for video/head-end delivery system district-wide.

Goals, Objectives, and Strategies

GOAL 1: Enhance teaching and learning through the use of technology.					
OBJECTIVE 1.1:					
<p>The district will aim towards having all students attain technology proficiency and academic excellence.</p> <p><i>Budget Amount \$93,500.00</i> <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 01, 02, 04a, 11</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.1.1:	Implement Technology Benchmark assessments in 5th and 8th grades to monitor technology proficiency. LEA LRPT Correlates: I09, TL04, TL06	State: Original Status: Planned	2010-2013	Technology Integration Specialist, Curriculum Department, Teachers	Implementation of benchmarks and campus achievement results
1.1.2:	Provide a Scope and Sequence of K - 2, 3 -5, and 6 - 8 technology expectations aligned with the TEKS. LEA LRPT Correlates: TL01, TL06	State: Original Status: Planned	2010-2013	Technology Curriculum Integration Specialists, Teachers	Document created and posted online.
1.1.3:	Align Technology TEKS into K - 12 grades, and core curriculum subject areas. LEA LRPT Correlates: TL01	State: Original Status: Planned	2010-2013	Curriculum Specialists, Teachers, Technology Curriculum Integration Specialists, and the District Curriculum Specialists	Documents created and posted in Curriculum Frameworks.
1.1.4:	Encourage and support teachers to implement TEKS through innovative programs that focus on student centered learning. LEA LRPT Correlates: TL01	State: Original Status: Planned	2011-2013	Technology Curriculum Integration Specialists, Technology Department, Administrators, Teachers	Curriculum Support Services, Workshop Agendas, Campus In-Service Agenda
1.1.5:	NBISD will continue to offer Technology Application credit courses to high school students. LEA LRPT Correlates: TL01, TL02, TL03	State: Original Status: Planned	2010-2013	Technology Curriculum Integration Specialists, Curriculum Department, Teachers, Administration	Course schedule, Student Choice Sheet, Enrollment numbers
OBJECTIVE 1.2:					
All students will have access to and use relevant instructional resources and services.					

Budget Amount \$322,500.00
 LRPT category: Teaching and Learning

E-Rate Correlates: ER01
 NCLB Correlates: 06, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.2.1:	Provide video streaming services to classrooms with a full complement of instructional media. This service is being delivered via Discovery Streaming. Each year the service will be evaluated. LEA LRPT Correlates: TL08, TL09, TL10	State: Original Status: Planned	2010-2013	Technology Department, Library Media Specialists	Usage Reports
1.2.2:	Provide a state supported online technology textbook environment, which ensures our learners have access to the basic foundation of the technology TEKS. LEA LRPT Correlates: TL03	State: Original Status: Planned	2010-2013	Technology Curriculum Integration Specialists, Curriculum Department, Teachers	Systems report
1.2.3:	Provide credit recovery and remedial software to students that allows them to succeed academically and at a consistent rate. LEA LRPT Correlates: TL09, TL12	State: Original Status: Planned	2010-2013	Technology Curriculum Integration Specialists, Curriculum Department, Intervention Specialists, Teachers	Print reports from A+ system

OBJECTIVE 1.3:

All students will use information technologies to collaborate, communicate, and create solutions to relevant real world problems.

Budget Amount \$47,850.00
 LRPT category: Teaching and Learning

E-Rate Correlates:
 NCLB Correlates: 01, 03, 06, 08

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.3.1:	Evaluate and plan to implement a district wide student email collaborative, which will allow communication for 6 - 12 grade students. LEA LRPT Correlates: I01, TL09, TL12, TL13, TL16	State: Original Status: Planned	2011-2013	Technology Department	Usage Reports, Roster uploads
1.3.2:	Utilize innovative strategies such as distance learning, online courseware, and digital content services to deliver rigorous instruction to meet the diverse and personal learning needs of all students. LEA LRPT Correlates: TL07, TL12	State: Original Status: Planned	2011-2013	Technology Curriculum Integration Specialists, Technology Department, District Curriculum Specialists, Teachers	Usage reports, video conference scheduling, online course enrollment

1.3.3:	Equip students with the skills to ensure understanding of best practices of digital safety and social networking, ethical behavior in regards to information technology and intellectual property. LEA LRPT Correlates: TL08, TL14	State: Original Status: Planned	2010- 2013	Technology Curriculum Integration Specialists, Teachers	Developed Program, Program implementation documentation
1.3.4:	Offer a Student Summer Tech Academy for students that focuses on the acquisition of 21st century skills. LEA LRPT Correlates: TL15	State: Original Status: Planned	2011- 2013	Technology Curriculum Integration Specialists	Agendas, Summer Student Activity Calendar
1.3.5:	Learners will be provided with training to best use quality research practices in all content areas. (IIM, etc.) LEA LRPT Correlates: EP01, EP08, TL05	State: Original Status: Planned	2010- 2013	Technology Curriculum Integration Specialists, New Teacher Academy Leader, Library Media Specialists	New Teacher training plans, ULC Calendar & Roster

GOAL 2: Educator Preparation, Leadership, and Development**OBJECTIVE 2.1:**

All teachers will be provided with the opportunity for professional growth.

Budget Amount \$630,362.69

LRPT category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 01, 03, 04b

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.1.1:	Instructional staff is required to take a yearly online course covering the Acceptable Use Procedures and any technology upgrades. LEA LRPT Correlates: EP03	State: Original Status: Planned	2011-2013	Technology Department, Director of Human Resources and Student Services	Developed course, completion records
2.1.2:	Teachers will be required to complete three hours of technology professional development throughout each school year. LEA LRPT Correlates: EP04	State: Original Status: Planned	2011-2013	Technology Curriculum Integration Specialists, Technology Department	ULC Calendar and Roster
2.1.3:	Teachers will be able to participate in a technology scholarship program in order to obtain new technologies and emerging 21st century skills. LEA LRPT Correlates: LAS01	State: Original Status: Planned	2010-2013	Technology Curriculum Integration Specialists, Technology Department	Program in place and awarding grants, attendance records of participants at professional development
2.1.4:	NBISD will spend at least 30% of Technology Allotment and Title II Part D funds on professional development. LEA LRPT Correlates: LAS06	State: Original Status: Planned	2010-2013	Technology Department	Budget, expenditures report

OBJECTIVE 2.2:

All instructional staff will implement technology TEKS into 20% of their lesson.

Budget Amount \$45,000.00

LRPT category: Educator Preparation and Development

E-Rate Correlates: ER01

NCLB Correlates: 07, 11

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.2.1:	The district will offer staff development that focuses on technology integration into all subject areas. LEA LRPT Correlates: EP01, TL08	State: Original Status: Planned	2010-2013	Technology Curriculum Integration Specialists, District Curriculum	Professional development records, program agendas

				Specialists	
2.2.2:	The district will offer specialized online courses to meet the changing needs of educators. LEA LRPT Correlates: EP04, EP08	State: Original Status: Planned	2010-2013	Technology Curriculum Integration Specialists, Technology Department	ULC Calendar and Roster
2.2.3:	The district will offer one to one personalized trainings with grade levels / subject area teachers that align with local, state, and federal standards. LEA LRPT Correlates: EP01, EP02, EP08	State: Original Status: Planned	2010-2013	Technology Curriculum Integration Specialists, Technology Department	Written lessons, planning agendas and calendars
2.2.4:	Teachers have access to technology resources and support through campus libraries. LEA LRPT Correlates: TL11	State: Original Status: Planned	2010-2013	Technology Department, Campus Administrators, Library Media Specialists	Campus library inventory
2.2.5:	Develop teacher professional observation protocols for technology that administrators can use to determine level of proficiency on teacher observation summaries. LEA LRPT Correlates: LAS12	State: Original Status: Planned	2010-2013	Superintendent, Director of Human Resources and Student Services, Assistant Superintendent of Curriculum and Accountability, Principals, Technology Curriculum Integration Specialists	Teacher evaluation form, appraisal system

OBJECTIVE 2.3:

Instructional staff will participate in collaborative environments in order to evolve into a 21st century teacher.

Budget Amount \$16,000.00

LRPT category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 04b, 07, 08

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.3.1:	NBISD will plan and implement a distance learning infrastructure to meet the growing demands of professional development. Comments: LEA LRPT Correlates: EP01, EP04, EP06	State: Original Status: Planned	2010-2013	Technology Department	Certificate of completion from courses
2.3.2:	NBISD will plan and implement an online collaborative environment for teachers to share instructional resources and strategies. LEA LRPT Correlates: EP08, EP09	State: Original Status: Planned	2010-2013	Technology Curriculum Integration Specialists, Technology Department	Online postings

2.3.3:	NBISD will plan to integrate a model for classroom technology with a Master Technology Teacher showcasing best practices in a 21st century environment. These “master teachers” will be supported and evaluated throughout the year. LEA LRPT Correlates: EP05, EP07	State: Original Status: Planned	2010- 2013	Technology Curriculum Integration Specialists, Technology Department	Application process, Evaluation rubrics
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GOAL 3: Leadership, Administration and Support Services					
OBJECTIVE 3.1:					
<p>NBISD will develop a system of quality communication with parents, students and the community and collaboration with parents, students and the community.</p> <p><i>Budget Amount \$75,000.00</i> <i>LRPT category: Leadership, Administration and Support</i></p> <p>E-Rate Correlates: ER01 NCLB Correlates: 04a, 09, 10</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.1.1:	<p>All teachers will create, maintain and update classroom webpages which reflect the ongoing instructional projects and events. These online centers will provide communication and collaboration between the parents, students, teacher and community.</p> <p>LEA LRPT Correlates: LAS10, LAS11, LAS15, TL13, TL15, TL16</p>	<p>State: Original</p> <p>Status: Planned</p>	2010-2013	Technology Department, Campus Administrators	Online updates, School Center usage reports
3.1.2:	<p>The District Technology Committee will develop a public district wide technology exhibit where exemplary trends and practices will be demonstrated by students and teachers.</p> <p>LEA LRPT Correlates: LAS07, LAS10, LAS15, TL12, TL15</p>	<p>State: Original</p> <p>Status: Planned</p>	2010-2013	Technology Curriculum Integration Specialists, Technology Department, District Technology Committee	Meeting agendas, Flyer for event
3.1.3:	<p>NBISD will create, maintain and update a district website which serves as a portal of information for students, parents, district personnel and the community. The website will also include campus websites, employment information, and services for adult continuing educational opportunities.</p> <p>LEA LRPT Correlates: I03, I08, LAS13</p>	<p>State: Original</p> <p>Status: In Progress</p>	2010-2013	Technology Department, Public Information Office, Campus Administrators	Visual online updates
3.1.4:	<p>NBISD will seek opportunities to collaborate on parent education/adult literacy opportunities through community education and West Side Community Center.</p> <p>LEA LRPT Correlates: I02, I03, LAS13, TL09</p>	<p>State: Original</p> <p>Status: Planned</p>	2010-2013	NBISD Community Education, Communities in Schools	Agenda, Activities planned and completed
3.1.5:	<p>NBISD will create a District Technology Committee comprising of staff, parents, and the community. This committee will collaborate to analyze and prioritize the technology needs of the district.</p> <p>LEA LRPT Correlates: LAS02, LAS07, LAS13</p>	<p>State: Original</p> <p>Status: Planned</p>	2010-2013	Technology Department, Campus Administrators	Agendas and minutes from meetings
OBJECTIVE 3.2:					
<p>All campuses will use will utilize technology as a tool to access and maintain student records on a district wide networking system.</p> <p><i>Budget Amount \$36,000.00</i></p>					

LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER02
NCLB Correlates: 04b, 08, 11

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.2.1:	All staff will update student records using an intranet database system with support, which allows for analyzation of student's performance and future academic growth. This system is currently being delivered using FileMaker Pro. Service will be evaluated on a yearly basis. LEA LRPT Correlates: LAS08, TL04, TL07	State: Original Status: Planned	2010-2013	Technology Department, Campus Administrators, Teachers	District wide management system in place, database updates
3.2.2:	All campuses will track and analyze student performance on state and local benchmarks. This process will be accomplished using an online database which maintains student testing information. Analyzed data will be used to make decisions regarding student growth and performance. LEA LRPT Correlates: LAS08, TL04, TL07	State: Original Status: Planned	2010-2013	Curriculum Department, Campus Administrators	Purchase orders, usage reports
3.2.3:	All teachers will maintain student grades by utilizing an online gradebook, which parents and students can access online. This process will be evaluated and updated as needed. LEA LRPT Correlates: LAS07, LAS11, TL04	State: Original Status: Planned	2010-2013	Technology Department, District Testing Coordinator, Teachers, Campus Administrators	TxGradebook entries, Report Cards, Progress Reports

OBJECTIVE 3.3:

Staff will utilize electronic productivity tools to meet the needs of a changing work force and global economy.

Budget Amount \$45,000.00

LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01
NCLB Correlates: 09, 12

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.3.1:	All staff will utilize electronic processes to communicate student progression, including email, library information, grades, newsletters, and emergency information. LEA LRPT Correlates: LAS09, LAS13	State: Original Status: Planned	2010-2013	District personnel, Technology Department	Teacher email history, website updates
3.3.2:	Electronic workflows and signatures will be implemented into department/campus paper environments. This includes teacher appraisals, work orders, employee information, and other requested forms. The district has made scanners available to all campuses and employees. LEA LRPT Correlates: LAS10	State: Original Status: Planned	2010-2013	District personnel, Technology Departmen	Current PDF forms posted online, Email histor
3.3.3:	All campuses will utilize and maintain a library and textbook automation system, with technology upgrades and support.	State: Original Status:	2010-2013	District personnel, Technology Department,	Library systems report

	LEA LRPT Correlates: LAS05, LAS10, TL10	Planned	Library Media Specialists	
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GOAL 4: Infrastructure for Technology					
OBJECTIVE 4.1:					
Equip all current campuses with the technologies to meet the needs of growth and emerging trends.					
<i>Budget Amount \$2,049,333.00</i>					
<i>LRPT category: Infrastructure for Technology</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 05, 06, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.1.1:	Ensure that all campuses have a dynamic technology environment in every classroom which includes a mounted ceiling projector and a powerful teacher computer workstation. This environment will provide a foundation for technology and professional development growth. LEA LRPT Correlates: I01, I09, LAS03	State: Original Status: Planned	2010-2011	Technology Department	Purchase orders, and physical equipment in classrooms
4.1.2:	Ensure that all campuses have up-to-date and accessible computer labs to accommodate campus technology needs. LEA LRPT Correlates: I01, I05	State: Original Status: Planned	2010-2013	Technology Department	Purchase orders, physical equipment in labs
4.1.3:	Plan and implement a new wireless system to accommodate the expansions of mobile technology. LEA LRPT Correlates: I01, I02, LAS01	State: Original Status: Planned	2010-2013	Technology Department	Purchase orders, updates to MDF/IDFs
4.1.4:	Plan and implement a video delivery system that utilizes the foundation of technology that is already in place in the classroom. LEA LRPT Correlates: I01, I09, LAS01	State: Original Status: Planned	2012-2013	Technology Department	Purchase orders, updates to MDF/IDFs
OBJECTIVE 4.2:					
Develop and maintain a versatile infrastructure that meets the needs of the students, staff and district.					
<i>Budget Amount \$2,575,250.00</i>					
<i>LRPT category: Infrastructure for Technology</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 05, 06, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.2.1:	Meet a schedule for computer supplement and replacement cycle of 7 years. LEA LRPT Correlates: I07	State: Original Status: Planned	2011-2013	Technology Department	Written plan and purchase order
4.2.2:	Continue to study the initiatives and developments in Texas one to one computing. Plan for eventual implementation into New Braunfels ISD.	State: Original	2010-2013	Technology and Curriculum Departments	Publications, Site visits, Reports to DTC

	LEA LRPT Correlates: I04	Status: Planned			
4.2.3:	Support an infrastructure that will meet the growing needs of staff and students. This includes maintaining servers, printers, network equipment, telecommunications, internet connectivity, electronic databases, and all core devices. LEA LRPT Correlates: I01, I03, I05, I06	State: Original Status: Planned	2010- 2013	Technology Department	Review and research technology needs to maintain safe/secure network
4.2.4:	Keep technology department well informed to meet the ever-changing demands of network design, backup and recovery plans, security and repair. LEA LRPT Correlates: LAS14	State: Original Status: Planned	2010- 2013	Technology Department, NBISD Community Education	Certification of staff, job description updates
4.2.5:	Maintain current level of campus and district level support staff and seek to provide additional support personnel as recommended by TEA. LEA LRPT Correlates: EP09	State: Original Status: Planned	2010- 2013	Director of Technology, Superintendent, Board of Trustees	Number of staff for Technology department/campus tech aides

OBJECTIVE 4.3:

Ensure all new schools are equipped with the technology to fulfill the goals of NBISD.

Budget Amount \$540,000.00

LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03, 04b, 12

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.3.1:	Install additional telecommunication, network cabling infrastructure for campuses for internal and external access (LAN and WAN) LEA LRPT Correlates: I01, I06, I09	State: Original Status: Planned	2012- 2013	Technology Department	Construction planning and collaboration, scope of work documents
4.3.2:	Plan the purchasing, placement, and distribution of infrastructure at new campuses including servers and routers. Review past school openings and issues and develop best practice for opening a new building. LEA LRPT Correlates: I02, LAS01, LAS02, LAS04, LAS05	State: Original Status: Planned	2012- 2013	Technology Department	Minutes from new campus staff meetings, purchase records
4.3.3:	Work with new school staff and administration to plan for technology expectations and implementation before opening. LEA LRPT Correlates: I02, LAS01, LAS02	State: Original Status: Planned	2012- 2013	Technology Department and Campus Administrators	New campus technology plans

Budget

Total amount of Title II, Part D formula funds received for the current year of this plan: \$1,800.00

Method of application for formula funds: Local Application

Budget year 2010		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$97,011.63	Local 5.65% State 92.49% Title IID 1.86%
Telecommunications & Internet Access	\$80,083.34	Local 100% (includes eRate)
Materials & Supplies	\$56,250.00	Local 100%
Equipment	\$1,584,766.67	Local 96.2% State 3.8%
Maintenance	\$613,700.00	Local 89.9% State 10.1%
Miscellaneous Expenses	\$0.00	
Total	\$2,431,811.64	

Budget year 2011		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$95,520.90	Local - 6.1% State - 93.9%
Telecommunications & Internet Access	\$346,749.83	Local 100% (eRate included)
Materials & Supplies	\$56,250.00	Local - 100%
Equipment	\$661,766.67	Local - 90.89% State - 9.11%
Maintenance	\$614,200.00	Local - 89.9% State - 10.1%
Miscellaneous Expenses	\$0.00	
Total	\$1,774,487.40	

Budget year 2012		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$95,520.90	Local - 6.1% State - 93.9%
Telecommunications & Internet Access	\$861,749.83	Local 100% (eRate included)
Materials & Supplies	\$56,250.00	Local - 100%
Equipment	\$641,775.92	Local - 90.6% State - 9.4%

6/20/2010

NEW BRAUNFELS ISD Technology Plan:...

Maintenance	\$614,200.00	Local - 89.9% State - 10.1%
Miscellaneous Expenses	\$0.00	
Total	\$2,269,496.65	

Evaluation

Evaluation Process:

Evaluation of the Technology Plan will be a systematic ongoing process. All aspects of the Plan will be evaluated formally once each year by the District Technology Committee. The intention of the evaluation will be to make decisions on the impact the technology has on the learning process for all students. A report will be given to the Superintendent and the Board of Trustees after each formal evaluation occurs. The Director of Technology currently updates the school board yearly in public board meetings on the progress made toward the goals of this plan.

Evaluation Method:

New Braunfels ISD's STaR Chart results for each campus will be used to help assess its progress toward meeting the goals of the Long Range Plan for Technology.

Other methods used for evaluation will include:

- The use of the Texas Teacher STaR Chart as required by the state of Texas.
- Records of staff member participation in technology training monitored by sign-in sheets and teacher professional development records using the Unicorn Learning Community professional development management system.
- Integration of training into the classroom as measured by lesson plans and number and type of technology, distance, and collaborative and telecollaborative learning projects, and the number of teachers who are awarded TIER III technologies.
- Monitoring and documentation of community access to technology resources and information on the campuses and on the web site.
- Surveys of teachers, principals, and students.
- Yearly inventory of hardware and software.
- Support and maintenance of technology as documented by technical support records using our Service Database System.
- Student achievement reporting.

Appendix

Attachment item B:

Student and Teacher Acceptable Use

- Web site: [http://www.tasb.org/policy/pol/private/046901/pol.cfm?DisplayPage=CQ\(LOCAL\).html&QueryText=ACCEPTABLE%20USE](http://www.tasb.org/policy/pol/private/046901/pol.cfm?DisplayPage=CQ(LOCAL).html&QueryText=ACCEPTABLE%20USE)

NEW BRAUNFELS ISD 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.