

Texas e-Plan: Technology Planning System - Report Options  
NEWTON ISD Technology Plan for E-Rate Year 16  
2013 - 2016

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SUPERINTENDENT  
DISTRICT PROFILE  
ESC Region: 5  
City, State Zip: NEWTON, TX 75966  
Phone: (409) 379-8137  
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Number of Campuses: 3  
Total Student Enrollment: 1145  
District Size: 1,000 - 1,599  
Percent Econ. Disadvantaged: 72.00%

Technology Expenditures: \$2,507,132.00  
- Teaching and Learning Budget: \$1,572,054.00  
- Educator Preparation and Development Budget: \$287,214.00  
- Leadership, Administration and Support Budget: \$59,292.00  
- Infrastructure for Technology Budget: \$588,572.00

#### PLAN INTRODUCTION

Plan Last Edited: 06/21/2012

#### Technology Planning Committee:

Lydia Bean, Catherine Buffington, Marrion Collins, Bethany Davis, Kristi Holloway, Maya Issac, Mike Terry, Christopher Meche, Amanda Moss, Carolyn Perdue, Judy Holleman, Lois Price, Sarah Richardson, Mary Sue Tebbs, Gabelle Todd, Sherry Tracy, Lenola Tutt, Kathleen Wade, Lisa Wall, Barbara Westbrook, Amy Worsham

#### EXECUTIVE SUMMARY

The Newton Independent School District Technology Plan strives to blend federal and state technology mandates with the vision of this community. The NISD technology task force, made up of parents, community representatives, NISD staff and students, has been established to explore the latest technological trends and define ways to prepare the students of Newton ISD to interact in the information age. Creation of strategies for implementing technology into the curriculum is guided by:

\*\*\*The Long Range Plan for Technology 2006-2020, A Report to the 80th Legislature from the State Board of Education. Texas Education Agency.

\*\*\*Texas Essential Knowledge and Skills for Technology Applications. Texas Education Agency.

\*\*\*The International Society for Technology in Education Foundation Standards.

Vision Statement: Through the dynamic use of technology, the curriculum developed by the Newton Independent School District will expand the learning process to prepare students and adults to become life-long learners, and compete on an equal basis in an ever-expanding world of advanced technology.

#### NEEDS ASSESSMENT

Assessment Process: The District used inventory records, teacher and student surveys, feedback from the Technology Task Force and the District Site-Based Decision Making Committee, and reports on bandwidth to determine needs for this

plan.

Existing Conditions:

Existing Conditions.

## I. Libraries

Number of Libraries: 3(one on each campus)

Number of Libraries Automated: 3/100%

Number of Student Accessible Workstations with Internet Access in the Library:

22 (4--NES, 12--NMS, 6--NHS)

## II. Computer Intensity—Classroom Computers

### A. Ratio of Teachers to Instructional Use Computers

Number of computers: 70 (31--NES, 27--NMS, 12--NHS)Number of teachers: 110

(48--NES, 27--NMS, 35--NHS)Ratio/Computers to teachers: 1:1.5 (1:1.6--NES,

1:1--NMS, 1:3--NHS)

### B. Ratio of Students to Instructional Use Computers

Number of computers: 694 (170--NES, 350--NMS, 174--NHS)

Number of students: 1145 (595--NES, 255--NMS, 295--NHS)

Ratio/Computers to students: 1:1.78 (1:3.5--NES, 1:1--NMS, 1:1.7--NHS)

Average number of computers per classroom: 2

## III. Content—Accountability and Use of Resources

Seldom=1 to 3 times per month

Frequently=4-10 times per month

Consistently= 11+ times per month

A. Availability of drills and practice--consistently

B. Availability of applications for creation--consistently

C. Availability of simulation software--seldom

D. Availability of research resources--consistently

E. Availability of on-line curricula and communication--consistently

## Infrastructure--

The district uses a star topography in its Local Area Network. Upgrades during recent years have connected all campuses via fiber. All external connections between buildings are also fiber. Connections within buildings are made via standard Base 10 ethernet. There is at least one drop in each classroom.

Connections are made to the servers in each building through hubs and switches.

Internet connectivity is provided to the district through two shared T-1 lines with SETTEN (the Southeast Texas Telecommunications Education Network), a regional partnership to develop instructional services. One line is free to the district through a grant from the Sabine Pass Consortium, a partnership of four districts. The other is discounted through SETTEN.

## Technology Needs:

### 1. Teaching and Learning

a. Students are offered fewer academic electives because the small, rural district has few personnel with specialized expertise and certifications. The district is part of a Region 5 Education Service Center/Lamar University collaborative that helps to secure resources and equipment for distance learning. The District has also applied for the TxVSN (Texas Virtual School Network) but has not begun offering classes. Currently, there are four connections available for distance learning (2-way video): 2 at Newton High School (used almost continuously for Spanish classes), 1 at Newton Elementary and 1 at Newton Middle (used on a requested basis). Bandwidth studies show that the district connectivity is at full capacity; there is a need to subscribe to two additional T-1 lines.

b. The Newton Middle School, through participation in an immersion pilot has made significant gains in their technology acquisition goals, acquiring a laptop computer for every student and teacher. The grant cycle has now ended and the District has committed to a three-year replacement cycle on these computers. Newton Elementary School and Newton High School have computers in classrooms but many are older machines in need of upgrading; the computers have inadequate memory, limited storage capacity, and slow processor speeds.

c. A majority of students in this rural district do not attend college. There is a need to prepare students to enter the work force immediately following grade 12.

d. Many educators do not have computers at home.

## 2. Educator Preparation and Development.

a. Due to staff turnover and evolving technologies, staff development is a continuous process. There is a need to access professional development using a variety of modalities and through multiple access models.

b. There is very limited networked classroom integration at all campuses. There is a need to replicate models for integrating learning, teaching, and technology.

## 3. Administrative

a. Funding is limited; new models and strategies for budgeting and finding additional resources are still being explored.

b. The district collaborates with the Region 5 Education Service Center to support student data gathering procedures: scheduling, attendance, and grade reporting. There is a need to continue training to remain in sync with state mandates regarding accounting procedures.

## 4. Infrastructure and Equipment.

a. The district has established local area networks on three campuses. All classrooms do have Internet-ready student or teacher workstations. Internet connectivity via T-1 is now available to all classrooms and libraries but inadequate computers prevent its use in every classroom. There is a need to provide more workstations to these classrooms.

b. There is a need to provide more peripheral devices to all classrooms in order to expand the use of the existing workstations. Networkable printers are needed,

as well as multimedia projectors, scanners, and other digital input devices.

c. Due to the volume of computers and videoconferencing capabilities on all campuses, there is a need to increase the number of T-1 lines from 2 to 4.

## GOALS, OBJECTIVES, AND STRATEGIES

Goal 1: To provide students with the appropriate skills and knowledge to achieve academic success and to become productive members of society.

Objective 1.1: Develop strategies to meet Performance Descriptions for students in the core curriculum TEKS and increase students' technology proficiencies (as written in the Technology Applications TEKS).

Budget for this objective: \$90,000.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01 02 03 04a 07 08 11 12

Strategy 1.1.1: Provide student (grades K-12) access to online curricular resources utilizing multimedia and integrated software applications.

State: Revised

Status: In Progress

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: Campus Technology Liaisons; Classroom teachers

Evidence: Lesson Plans; portfolio assessments

Comments: Free Internet resources

LRPT Correlates: TL01, TL03, TL05, TL08, TL09, TL12, TL13

Strategy 1.1.2: Continue to offer courses of study (BCIS, Web-design classes, Desktop publishing, etc.) to High School students (grades 9-12) Keyboarding to Middle Schoolers

State: Revised

Status: In Progress

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: High School counselor; teachers

Evidence: Course catalogs; student records

Comments: Personnel--(Local academic funds)

LRPT Correlates: TL01, TL02, TL05, TL06

Strategy 1.1.3: Utilize technology-based tools for research in classrooms

State: Original

Status: In Progress

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: Classroom teachers

Evidence: Lesson plans, student portfolio assessments, projects shared with community at Open House

Comments:

LRPT Correlates: TL05, TL07, TL13

Strategy 1.1.4: Utilize TEKS-based intervention software and/or online resources(A+LS, Study Island, Read 180, ASCEND and Voyager math) where appropriate

State: Revised

Status: Completed

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: Classroom Teachers

Evidence: Student reports generated through software

Comments: Software and maintenance agreements

LRPT Correlates: TL05, TL07, TL09, TL12, TL13

Strategy 1.1.5: Utilize project-based learning models that incorporate the use of technology (multimedia presentations and integrated software applications) in classrooms

State: Original

Status: In Progress

Timeline: Fall 2010-Spring 2013 (Begun Fall 2002)

Person(s) Responsible: All teachers

Evidence: Projects developed by participants and shared via the website or CD

Comments:

LRPT Correlates: TL01, TL03, TL05, TL06, TL08

Strategy 1.1.6: Utilize rubrics to assess student technology proficiencies on project-based learning activities or productivity assessments

State: Original

Status: Planned

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: Classroom Teachers

Evidence: Lesson plans, Grade books

Comments:

LRPT Correlates: TL06

Strategy 1.1.7: Implement Classroom Connect in grades K-8 (adopted materials for Technology Applications) and utilize assessments to monitor student progress toward technology proficiency (component included regarding personal safety)

State: Original

Status: Planned

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: Computer lab teachers and classroom teachers.

Evidence: Lesson plan, user logs

Comments:

LRPT Correlates: TL03, TL04, TL05, TL14

Strategy 1.1.8: Use digital diagnostic tools for formative evaluation to monitor progress toward the mastery of instructional objectives (TPRI, TMDS, TSDS, PASeries, DMAC, and CSCOPE)

State: Original

Status: Planned

Timeline: Progress monitoring as needed.

Person(s) Responsible: Campus testing coordinators, campus specialists, classroom teachers.

Evidence: Disaggregated results of testing report.

Comments:

LRPT Correlates: TL04

Objective 1.2: Ensure accessibility by all students to technology-based instruction and to adaptive/assistive devices, as appropriate.

Budget for this objective: \$1,091,457.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01 02 03 04a 07 08 11 12

Strategy 1.2.1: Purchase assistive technology devices as needed for students

with handicapping conditions. Types of devices shall include but not be limited to: touch screens, special mouse pads, specialized keyboards

State: Original

Status: In Progress

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: Special Education Coordinator

Evidence: Purchase orders, inventories

Comments: (Special Ed Funds)

LRPT Correlates: TL01, TL05, TL08, TL09, TL12, TL13

Strategy 1.2.2: Provide an Assistive Technology Specialist to identify students with needs, research and acquire assistive technology devices to meet the student's needs, and offer training to teachers and students regarding use of the devices

State: Original

Status: Completed

Timeline: Fall 2010-Spring 2013 (Begun 2002-03 school year)

Person(s) Responsible: Special Education Coordinator

Evidence: Invoices for special devices; IEP's; staff development records

Comments:

LRPT Correlates: TL01, TL05, TL08, TL09, TL12, TL13

Objective 1.3: Use student performance data that are provided and managed electronically in instructional planning.

Budget for this objective: \$55,170.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01 02 03 04a 07 08 11 12

Strategy 1.3.1: Utilize Accelerated Reader at Elementary and Middle School grade levels (K-8). (upgrade in 2007-08 to web-based version to increase access)

State: Original

Status: In Progress

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: Librarians

Evidence: Student reports generated through software

Comments: \$500 (Local library budgets)

LRPT Correlates: TL05, TL12

Strategy 1.3.2: Use STAR reading level tests for student placement in the AR program

State: Original

Status: In Progress

Timeline: Annually (Fall)

Person(s) Responsible: Librarians, classroom teachers

Evidence: Student reports generated through software

Comments: (Local library budgets)

LRPT Correlates: TL07

Strategy 1.3.3: Utilize DMAC and the TAKS Analysis Program (reporting software provided through Regions 5 & 7 ESC) on all grade levels to plan for interventions in core curriculum areas

State: Original

Status: In Progress

Timeline: Annually

Person(s) Responsible: Campus administrators and classroom teachers

Evidence: Lesson plans

Comments:

LRPT Correlates: LAS02, LAS08, TL07

Strategy 1.3.4: Utilize TEA website for current state information related to district data and state standards.

State: Original

Status: In Progress

Timeline: Ongoing

Person(s) Responsible: Administrators, Teachers

Evidence: Availability of data for decision-making; AEIS reports, etc.

Comments: Free access

LRPT Correlates: EP06, LAS02, TL07

Objective 1.4: Use distance learning and distributed learning for expanding curricular offerings and meeting the needs of all students

Budget for this objective: \$60,000.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01 02 03 04a 07 08 11 12

Strategy 1.4.1: Offer courses from colleges and universities for students, teachers, and administrators via the Region 5 Distance Learning Connection (dual-credit courses)

State: Original

Status: Planned

Timeline: Each semester

Person(s) Responsible: Course facilitators; H.S. registrar

Evidence: Course offering catalog

Comments: Tuition fees paid by students, salary for facilitator=\$8,000

LRPT Correlates: LAS05, LAS15, TL01, TL08, TL09, TL12, TL13

Strategy 1.4.2: Provide two-way interactive video classrooms and equipment for distance learning classrooms (2 systems at ES and MS; two systems at HS)

State: Original

Status: Completed

Timeline: Fall 2010-Spring 2013 (SETTEN agreement with Region 5 ESC is reviewed annually)

Person(s) Responsible: Network Administrator, Supt., Board of Trustees

Evidence: Inventory of equipment in Distance Learning Lab

Comments:

LRPT Correlates: TL01, TL08, TL09, TL12, TL13

Strategy 1.4.3: Provide programming which enhances teaching and learning: video field trips to distant academic and cultural sites

State: Original

Status: Planned

Timeline: As available

Person(s) Responsible: Librarians

Evidence: Lesson plans

Comments: No cost/PBS

LRPT Correlates: TL01, TL08, TL09, TL12, TL13

Strategy 1.4.4: Increase accessibility to instruction for all students, i.e., homebound and physically challenged students

State: Original

Status: In Progress

Timeline: Within school calendar

Person(s) Responsible: Counselors, special education teachers, Co-Op

Evidence: Individual Education Plans (IEPs)

Comments:

LRPT Correlates: TL01, TL08, TL09, TL12, TL13

Strategy 1.4.5: Increase access through a technology lending initiative to devices that enable students to access digital resources for learning (eTextbooks, online resources, etc.).

State: Revised

Status: Planned

Timeline: June 2012-June 2012

Person(s) Responsible: Curriculum Director

Evidence: Plan, purchase orders, lesson plans

Comments:

LRPT Correlates: I01, I04

Objective 1.5: Provide access by staff and students to the best available electronic information resources in classrooms, libraries, and other appropriate sites

Budget for this objective: \$275,427.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01 02 03 04a 07 08 11 12

Strategy 1.5.1: Continue to subscribe to SETTEN (currently--two regionally leased T-1 lines; will need to expand and add two more) for high-speed Internet access provided by SW Bell through Region 5 (managed by Region 5)

State: Original

Status: In Progress

Timeline: SETTEN agreement renewed annually in late spring or summer.

Person(s) Responsible: Network administrator

Evidence: Invoice

Comments: No cost to local district, paid by Sabine Pass Technology Consortium (Of funding changes, cost to district will be \$20,000 annually)

LRPT Correlates: TL10, TL11

Strategy 1.5.2: Subscribe to Gale/library databases through Region 13 ESC for electronic information resources

State: Original

Status: In Progress

Timeline: Each Fall

Person(s) Responsible: Librarians

Evidence: Invoice for subscription

Comments:

LRPT Correlates: TL10, TL11

Strategy 1.5.3: Maintain automated libraries at each campus; update servers on 3-year rotation

State: Original

Status: In Progress

Timeline: Fall 2010-Spring 2013 (update library servers on 3-year rotation schedule, ES--Fall 2010; HS--Fall 2011; MS--Fall 2012)

Person(s) Responsible: Librarians and Network administrator

Evidence: Database of MARC records



Comments: Library funds  
LRPT Correlates: TL10, TL11

Strategy 1.5.4: Utilize United Streaming and Annenberg for Video-on- Demand resources  
State: Original  
Status: In Progress  
Timeline: Annual renewal of databases through Region 5 ESC  
Person(s) Responsible: Librarians, classroom teachers  
Evidence: Lesson plans  
Comments:  
LRPT Correlates: TL10, TL11

Objective 1.6: Communicate with parents regarding student academic achievement and attendance (online portal)  
Budget for this objective: \$0.00  
LRPT Category: Teaching and Learning  
E-Rate Correlates: ER01  
NCLB Correlates: 01 02 03 04a 09 11 12

Strategy 1.6.1: Use web hosting to provide calendar information, general district/campus information, accountability information, class syllabus with student assignments to parents  
State: Original  
Status: Planned  
Timeline: Aug 2010 through May 2013  
Person(s) Responsible: Assistant Superintendent  
Evidence: logs from web host  
Comments:  
LRPT Correlates: LAS09, TL15, TL16

Strategy 1.6.2: Provide email to teachers to communicate with parents and other community shareholders; publish staff rosters on campus websites  
State: Original  
Status: Planned  
Timeline: Annual agreements renewed in August of each year.  
Person(s) Responsible: Asst. Superintendent  
Evidence: E-mail usage logs  
Comments:  
LRPT Correlates: TL15, TL16

Strategy 1.6.3: Provide online grades and attendance records to parents  
State: Original  
Status: Planned  
Timeline: Annually; teacher updates to be made on a daily basis  
Person(s) Responsible: PEIMS Coordinator  
Evidence: User logs  
Comments:  
LRPT Correlates: LAS11, TL15, TL16

Goal 2: To provide incentives, expertise, resources, and human support to teachers to develop their technology skills

Objective 2.1: Increase educators' effectiveness in using technology and provide incentives for the use of new effective models, tools, and resources for

teaching and learning

Budget for this objective: \$169,900.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 03 04a 04b 05 06

Strategy 2.1.1: Provide each campus with instructional technology liaisons in order to support educators as they develop technology skills and implement technology in the classrooms

State: Original

Status: Completed

Timeline: Fall 2010-Spring 2013 (campus technology support personnel contracts reviewed annually, summer budget considerations)

Person(s) Responsible: Technology Director and Principals

Evidence: Personnel agreements; stipends

Comments:

LRPT Correlates: EP09

Strategy 2.1.2: Provide facilitator(s) to conduct technical training for professional development of staff

State: Original

Status: Planned

Timeline: As needed

Person(s) Responsible: Technology Director, Principals

Evidence: Facilitators' expectations/agreement

Comments:

LRPT Correlates: EP01, EP04, EP08

Strategy 2.1.3: Provide opportunities for teachers to participate in learning labs or study groups, where they will learn how to implement project-based learning using technology; teachers may receive software, peripheral devices

State: Original

Status: Planned

Timeline: Ongoing (begun Fall 2002)

Person(s) Responsible: Technology Director, facilitators, principals

Evidence: Portfolios developed by participants

Comments:

LRPT Correlates: EP08

Strategy 2.1.4: Provide opportunities for district personnel to attend the annual Texas Computer Education Association conference to see models of best practices for technology integration

State: Original

Status: Planned

Timeline: Annually (February)

Person(s) Responsible: Technology Director, Principal

Evidence: Invoices, TCEA program

Comments:

LRPT Correlates: EP06

Strategy 2.1.5: Provide technology staff development (local and within region) to all staff members as requested according to campus needs

State: Original

Status: Planned

Timeline: Fall 2010-Spring 2013 (needs reviewed annually, usually in February/March, when staff development plan is generated for each campus)

Person(s) Responsible: Principals, Technology Director

Evidence: Sign-in sheets, handouts

Comments:

LRPT Correlates: EP01, EP02, EP04, EP08, LAS06

Strategy 2.1.6: Provide staff development to K-12 teachers in using technology-based curriculum and assessments (Fast ForWord, Compass, TPRI, CSCOPE, Voyager math, ASCEND math) as part of Response-to-Intervention universal screenings and progress monitoring

State: Original

Status: In Progress

Timeline: Summer 2010--Spring 2013

Person(s) Responsible: Reading Coach, NES; Asst. Supt.

Evidence: Sign-in sheets and reports generated from software

Comments:

LRPT Correlates: EP01, EP03, EP04, EP08

Strategy 2.1.7: Assistive Technology Specialist will offer training to teachers regarding use of assistive technology devices

State: Original

Status: Planned

Timeline: Fall 2010--Spring 2013 (as requested, devices previewed at each campus annually)

Person(s) Responsible: Sp. Ed. Director and Assistive Technology Specialist

Evidence: Sign-in sheets and IEPs

Comments:

LRPT Correlates: EP01

Strategy 2.1.8: Encourage educator participation in the Master Technology Teacher program by offering stipends and/or tuition paid by the District.

State: Revised

Status: In Progress

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: Campus Principals

Evidence: Certification Records

Comments:

LRPT Correlates: EP02, EP07

Objective 2.2: Incorporate teacher technology use into the teacher appraisal system, where appropriate

Budget for this objective: \$50,314.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 01 04a 04b 05 06 11 12

Strategy 2.2.1: Encourage administrators to evaluate technology use of teachers on the PDAS instrument and utilize handheld computers to record information for administrative walkthroughs

State: Original

Status: In Progress

Timeline: Summer 2010-Administrator professional development, annually in summer. Implement strategies August 2010-May 2013

Person(s) Responsible: Superintendent, Assistant Superintendent, and Principals

Evidence: PDAS records and database for walkthrough protocols

Comments:

LRPT Correlates: EP03, EP05, LAS12

Strategy 2.2.2: Document progress of educator technology proficiencies in basic skills (TA TEKS, K-5);through annual submission of Texas Teacher STaR Charts.

State: Original

Status: Planned

Timeline: Annually each spring

Person(s) Responsible: Campus Staff Development Facilitators; Technology

Director

Evidence: Participant portfolios

Comments:

LRPT Correlates: EP05

Objective 2.3: Provide training in data examination and analysis through technology to support sound decision-making

Budget for this objective: \$67,000.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 04b

Strategy 2.3.1: Provide opportunities for District administrators to participate in staff development that will: 1) facilitate their recognition of best technology practices and 2)develop their own technology skills according to SBEC standards

State: Original

Status: Planned

Timeline: Annual summer staff development (begun summer 2006); Implement strategies learned, Fall 2010-Spring 2013

Person(s) Responsible: Supt., Asst. Supt., Principals

Evidence: Administrator portfolios or agendas from sessions

Comments:

LRPT Correlates: EP03, EP04

Strategy 2.3.2: Provide training on the use of the DMAC program through the Region 7 Education Service Center in order to disaggregate TAKS data

State: Original

Status: Completed

Timeline: Annually, data provided by NCS Pearson with test results.

Person(s) Responsible: Campus principals; Region 5 representative

Evidence: Handouts from training

Comments:

LRPT Correlates: EP03

Strategy 2.3.3: Provide paraprofessionals with training to support the state mandated accounting systems

State: Original

Status: Planned

Timeline: As needed

Person(s) Responsible: Principals, Region V ESC

Evidence: Certificates of participation

Comments:

LRPT Correlates: EP03

Goal 3: To provide technology tools and professional development to administrative and support staff for data gathering, analysis, and distribution

Objective 3.1: Integrate planning for technology into all classroom, campus, and district planning

Budget for this objective: \$46,279.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01

NCLB Correlates: 02 06

Strategy 3.1.1: Schedule time for Site-Based Decision Making Teams to plan with Technology Support Personnel for inclusion of technology into Campus Improvement Plans; assure that tech plan is written or updated annually by December 31 to apply for e-rate; document progress on Star charts and assure that tech activities support student achievement (NCLB)

State: Original

Status: Planned

Timeline: Fall 2010-Spring 2013 (meetings must occur at least annually)

Person(s) Responsible: Campus principals, campus technology liaisons

Evidence: Campus Improvement Plans

Comments:

LRPT Correlates: I03, LAS01, LAS02, LAS03, LAS04, LAS05, LAS07

Strategy 3.1.2: Report periodically to the Board of Trustees to gain their input in planning for technology within the district

State: Original

Status: In Progress

Timeline: As needed (Board meets monthly.)

Person(s) Responsible: Asst. Supt.

Evidence: Board meeting agenda and minutes

Comments:

LRPT Correlates: LAS01, LAS04

Objective 3.2: Integrate technology into instructional management and administration

Budget for this objective: \$13,013.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01 ER02

NCLB Correlates: 02 05 06 11

Strategy 3.2.1: Maintain an administrative intranet for all accounting systems within the district (PEIMS) including instructional accounting such as attendance and grading.

State: Original

Status: Planned

Timeline: Fall 2010-Spring 2013 (upgrades as available)

Person(s) Responsible: Network administrator; RSCCC Support Services

Evidence: Timely accounting reports for attendance, finance, student records, discipline, etc.

Comments:

LRPT Correlates: LAS10

Strategy 3.2.2: Digitize district and campus forms for ready access by all staff members

State: Original

Status: Planned

Timeline: Fall 2010-Spring 2013 (ongoing)

Person(s) Responsible: Principals, Campus Technology Liaisons

Evidence: Files on servers

Comments:

LRPT Correlates:

Strategy 3.2.3: Use digital cameras to document campus events

State: Original

Status: Planned

Timeline: ongoing

Person(s) Responsible: All administrators and teachers

Evidence: Event portfolios and/or campus newsletters

Comments:

LRPT Correlates:

Objective 3.3: Expand community access to school information through technology

Budget for this objective: \$0.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01

NCLB Correlates: 09 10

Strategy 3.3.1: Publish district website to share information with the community

(Examples: accountability reports, Board agenda and briefs, calendars, technology plan, cafeteria and staff information, posting of vacancies)--Maintain portals for parents to access information on student grades and attendance.

State: Original

Status: Completed

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: Technology Director, campus webmasters

Evidence: Published website ([www.newtonisd.net](http://www.newtonisd.net))

Comments:

LRPT Correlates: LAS09

Strategy 3.3.2: Provide staff members with e-mail accounts for communication with parents and community shareholders

State: Original

Status: Completed

Timeline: Fall 2010-Spring 2013 (ongoing)

Person(s) Responsible: Network administrator

Evidence: E-mail account roster

Comments:

LRPT Correlates: LAS09

Objective 3.4: Establish policies to encourage expanded use of school facilities

Budget for this objective: \$0.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01 ER02

NCLB Correlates: 05 06 09 10

Strategy 3.4.1: Allow school facilities to be used for evening distance learning classes for staff, students, and community

State: Original

Status: Planned

Timeline: As requested

Person(s) Responsible: Supt., Board of Trustees

Evidence: Lab facilitator logs

Comments:

LRPT Correlates: LAS09, LAS13

Strategy 3.4.2: Allow use of computer labs for summer workshop training for staff

State: Original

Status: Planned

Timeline: as requested

Person(s) Responsible: Supt., Board of Trustees

Evidence: Registration and sign-in sheets

Comments:

LRPT Correlates: LAS09, LAS13

Strategy 3.4.3: Participate in state TCEA and Regional Conferences and allow facilities to be used for workshops

State: Original

Status: Planned

Timeline: as requested

Person(s) Responsible: Supt., Board of Trustees

Evidence: Registration and sign-in sheets

Comments:

LRPT Correlates: LAS13

Objective 3.5: Coordinate school-community resources for technology and identify and communicate the best technology practices to the community

Budget for this objective: \$0.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01 ER02

NCLB Correlates: 05 06 09 10

Strategy 3.5.1: Maintain learning center for parents and other adults for information resource sharing and to expand learning opportunities

State: Original

Status: Completed

Timeline: Fall 2010--Spring 2013

Person(s) Responsible: Technology Director, Parent Involvement Coordinator

Evidence: Sign-in sheets from resource center

Comments:

LRPT Correlates: LAS13

Strategy 3.5.2: Provide online resources to students, parents, and community (databases subscribed to via Region 5, some allow for community access)

State: Original

Status: Planned

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: Principals and librarians

Evidence: Letters sent home to parents that provide access information

Comments:

LRPT Correlates: LAS09

Strategy 3.5.3: Partner with community and business entities to assure recovery of district resources in the event of an emergency (web hosting/offsite, data backups onsite and offsite, emergency communication established through web-based system offsite and toll-free line routed to district official offsite, serve on county Emergency Response Team to coordinate re-establishment of all resources)

State: Original

Status: Planned

Timeline: Ongoing, Emergency Operation Plan updated annually.

Person(s) Responsible: Tech Director

Evidence: Backups

Comments:

LRPT Correlates: LAS13, LAS14

Goal 4: To establish an infrastructure for technology that focuses on the technological aspects (hardware and software) and the human infrastructure

Objective 4.1: Investigate multiple financial arrangements for securing and recycling workstations and other technologies

Budget for this objective: \$0.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03 05 06

Strategy 4.1.1: Utilize state bid procedures to acquire equipment as applicable by law

State: Original

Status: In Progress

Timeline: Fall 2010-Spring 2013; as funds are made available

Person(s) Responsible: Business Manager and Technology Director

Evidence: Filed bid packets and/or bid lists

Comments: Time and effort of district personnel

LRPT Correlates: I02

Strategy 4.1.2: Join consortiums/partnerships in order to secure equipment at bulk rate discounts

State: Original

Status: Completed

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: Superintendent, Asst. Supt.

Evidence: Consortia rosters; Bid lists for partnering entities

Comments:

LRPT Correlates: I02

Strategy 4.1.3: Employ technology support personnel to seek best pricing on equipment and supplies, identify alternate funding sources, and apply for grants

State: Original

Status: Completed

Timeline: Fall 2010-Spring 2013 (letters of reasonable assurance given to non-contract personnel each spring)

Person(s) Responsible: Technology Director

Evidence: Contract

Comments:

LRPT Correlates: I02

Objective 4.2: Acquire equipment (workstations, servers, and equipment upgrades) to meet state Long Range Plan for Technology goals

Budget for this objective: \$346,713.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 02 03 05 06

Strategy 4.2.1: Re-evaluate equipment targets annually to adjust quantities to



purchase for student workstations (consider student enrollment increases and decreases)--goal of 100-150 workstations for students per year (moving toward 1:1 student-to-workstation ratio)

State: Original

Status: In Progress

Timeline: Annually in spring.

Person(s) Responsible: Technology Director, principals

Evidence: Invoices

Comments:

LRPT Correlates: I01, I04

Strategy 4.2.2: Re-evaluate equipment targets annually to adjust quantities to purchase for teacher workstations--goal of 20-30 workstations for teachers per year (moving toward 1:1 teacher-to-workstation ratio)

State: Original

Status: Planned

Timeline: Annually in Spring.

Person(s) Responsible: Technology Director, Principals

Evidence: Invoices

Comments:

LRPT Correlates: I04

Strategy 4.2.3: Replace workstations on a 3-5 year rotation; based on needs within the classrooms and minimum specifications adopted by the district regarding workstation purchases

State: Original

Status: Planned

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: Technology Director

Evidence: Invoices

Comments:

LRPT Correlates: I01, I04, I07

Strategy 4.2.4: Provide for upgrades to network and servers and investigate expansion of Intranet for telecommunications (research feasibility of adding PBX system)

State: Original

Status: Planned

Timeline: Needs evaluated continuously; servers replaced on 3-year rotation

Person(s) Responsible: Technology Director, Technician

Evidence: Invoices

Comments:

LRPT Correlates: I01

Objective 4.3: Ensure accessibility for disabled students and staff to appropriately configured workstation in libraries, school offices, and in other work areas

Budget for this objective: \$0.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03

Strategy 4.3.1: Meet with architects on new building projects to ensure handicap accessibility

State: Original

Status: Planned

Timeline: As needed  
Person(s) Responsible: Technology Director, Superintendent  
Evidence: Blueprints for new construction  
Comments:  
LRPT Correlates: I05

Strategy 4.3.2: Meet ADA requirements for access to technology  
State: Original  
Status: Planned  
Timeline: ongoing  
Person(s) Responsible: Principals  
Evidence: reports from ADA inspectors  
Comments:  
LRPT Correlates: I05

Objective 4.4: Seek external funding for the technology infrastructure  
Budget for this objective: \$0.00  
LRPT Category: Infrastructure for Technology  
E-Rate Correlates: ER01  
NCLB Correlates: 06

Strategy 4.4.1: Apply for and utilize the federal Education-Rate for discounts on telecommunications services and internal connections (Basic phone lines, fax lines, Centrex systems and long distance)and Internet connectivity (subscribe to SETTEN and an independent vendor for web hosting/electronic mail)  
State: Original  
Status: In Progress  
Timeline: Fall 2010-Spring 2013 (Fall--file 470; Jan/Feb--file 471; File 486--as required; file BEAR forms quarterly or every 6 months or request discounts applied to bills)  
Person(s) Responsible: E-Rate Coordinator  
Evidence: E-rate applications on file  
Comments:  
LRPT Correlates: I02

Strategy 4.4.2: Continue to apply for technology grants (competitive and non-competitive) to build infrastructure; sources to apply include but are not limited to TEA, Beaumont Foundation, other corporate sponsors  
State: Original  
Status: Planned  
Timeline: As grants are released or solicited  
Person(s) Responsible: Technology Director  
Evidence: Filed RFA  
Comments:  
LRPT Correlates: I02

Strategy 4.4.3: Subscribe to listservs and magazines that publish grant source lists  
State: Original  
Status: Planned  
Timeline: Fall 2010-Spring 2013  
Person(s) Responsible: Technology Director  
Evidence: Invoices  
Comments:  
LRPT Correlates: I02

Objective 4.5: Commit to participate in the comprehensive state technology system

Budget for this objective: \$0.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03 05 06

Strategy 4.5.1: Partner with the Region 5 Education Service Center to support the state technology system

State: Original

Status: In Progress

Timeline: Fall 2010-Spring 2013, agreements reviewed annually in spring.

Person(s) Responsible: Technology Director

Evidence: Co-op agreements

Comments:

LRPT Correlates: I06

Strategy 4.5.2: Continue to provide Internet access to directors for submission of state reports

State: Original

Status: In Progress

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: Technology Director; Director of Food Services, Federal programs director; Special Education Director; Textbook Coordinator

Evidence: Timely submission of reports

Comments: Time and effort/within contract time

LRPT Correlates: I06

Strategy 4.5.3: Contribute PEIMS data to the state accounting system

State: Original

Status: In Progress

Timeline: Fall 2010-Spring 2013 (Snapshot date, October; other submission dates as required)

Person(s) Responsible: PEIMS Coordinator

Evidence: Annual "snapshot" report

Comments:

LRPT Correlates: I06

Objective 4.6: Maintain or retain expertise for installing and supporting an appropriate technology infrastructure

Budget for this objective: \$241,859.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03 05 06 12

Strategy 4.6.1: Employ 2 district Network Technicians to maintain wiring and configuration of servers and workstations

State: Original

Status: Completed

Timeline: Fall 2010-Spring 2013

Person(s) Responsible: Technology Director

Evidence: Contract

Comments:

LRPT Correlates: I01, I08, I09

Strategy 4.6.2: Conduct annual needs assessments and update Local Area Network

diagrams

State: Original

Status: In Progress

Timeline: Spring 2011, Spring 2012, Spring 2013

Person(s) Responsible: Technology Director and Network administrator

Evidence: Printed Needs Assessment report and LAN diagrams

Comments: within contract time of Network administrator

LRPT Correlates: I01, I08, I09

Strategy 4.6.3: Maintain filtering system that protects students and staff in compliance with CIPA (see appendix for Board Policy on Electronic Communication and Data Management)--subscription maintained by Region 5 ESC

State: Original

Status: Completed

Timeline: Ongoing

Person(s) Responsible: Technology Director, Technician

Evidence: invoice for annual maintenance agreements

Comments:

LRPT Correlates: I01, I08, I09

## BUDGET

Total amount of Title II, Part D formula funds received for the current year of this plan: \$5,671.00

Method of application for formula funds: Local Application

Budget for year 2013

- Telecom cost: \$90,571.00

- Telecom source: 6,385 (Local funds)

36,186 (E-rate)

48,000 (Sabine Pass)

- Materials cost: \$89,000.00

- Materials source: 9,000 (Local funds)

- Equipment cost: \$489,082.00

- Equipment source: 28,706 (Rural and Low Income Schools Program)

28390 (State Tech. Allot)

4,471 (Title II, Part D)

5,593 (Title II, D, ARRA)

40,625 (Local)

136,453 (Title I, ARRA)

80,000 (IDEA, ARRA)

40,000 (Stabilization, ARRA)

- Maintenance cost: \$107,953.00

- Maintenance source: 89,953 (Local funds)

18,000 (Sabine Pass)

- Staff development cost: \$45,438.00

- Staff development source: \$4050 (local)

\$10000 (Sabine Pass Technology Consortium)

3,000 (State Technology Allotment)

1,200 (Title II, D--Formula Entitlement)

1.324 (Rural Low Income Schools Program)

15.864 (Title I)

- Miscellaneous cost: \$0.00

- Miscellaneous source: 57,478 (Local)

90,000 (IDEA, ARRA)

- Total: \$822,044.00

Budget for year 2014

- Telecom cost: \$131,571.00

- Telecom source: 16,150 (Local funds)

62,850 (E-rate)

12,000 (Sabine Pass)

- Materials cost: \$89,000.00

- Materials source: 5,000 (Local funds)

- Equipment cost: \$489,082.00

- Equipment source: 21,000 (Rural and Low Income Schools Program)

20,000 (State Tech. Allot)

10,000 (TIP)

- Maintenance cost: \$107,953.00

- Maintenance source: 79,000 (Local funds)

5,000 (Title I)

5,000 (State Technology Allotment)

16,840 (Sabine Pass)

- Staff development cost: \$45,438.00

- Staff development source: 51,600 (local)

3,500 (Sabine Pass Technology Consortium)

11,698 (State Technology Allotment)

1,900 (Title II, D--Formula Entitlement)

18,000 (Title II, D--TIP)

5,000 (Reading First)

9,000 (Rural Low Income Schools Program)

4,000 (Title I)

- Miscellaneous cost: \$0.00

- Miscellaneous source: 30,000 (Local funds)

- Total: 863,044.00

Budget for year 2015

- Telecom cost: \$90,571.00

- Telecom source: 10,000 (Local funds)

28,000 (E-rate)

12,000 (Sabine Pass)

- Materials cost: \$89,000.00

- Materials source: 5,000 (Local funds)

- Equipment cost: \$489,082.00

- Equipment source: 21,000 (Rural and Low Income Schools Program)

20,000 (State Tech. Allot)

10,000 (TIP)

- Maintenance cost: \$107,953.00

- Maintenance source: 79,000 (Local funds)

5,000 (Title I)

5,000 (State Technology Allotment)

16,840 (Sabine Pass)

- Staff development cost: \$45,438.00
- Staff development source: 51,600 (local)  
3,500 (Sabine Pass Technology Consortium)  
11,698 (State Technology Allotment)  
1,900 (Title II, D--Formula Entitlement)  
18,000 (Title II, D--TIP)  
5,000 (Reading First)  
9,000 (Rural Low Income Schools Program)  
4,000 (Title I)
- Miscellaneous cost: \$0.00
- Miscellaneous source: 30,000 (Local funds)
- Total: 822,044.00

## EVALUATION

### Evaluation Process:

1. Evaluation criteria are related to goals stated in the local Technology Plan.

The connectivity objectives for this proposal are to coordinate with the state and region to establish a comprehensive technology system that makes possible the communication among students and educators, data distribution and analysis, and just-in-time professional development. An evaluation diagram has been included in the appendix to show how each of the components listed in items a through h are interconnected.

a. Increased local knowledge about the availability and uses of information technology and telecommunications infrastructure:

- Video tapes and CD vignettes documenting exemplary models of instructional technology models across the nation
- Planned demonstration for students, parents, teachers, administrators and community members to connect with colleges and universities or other schools via the distance learning link at the high school
- Annual Technology Night Events for each campus

b. Local planning and community involvement related to telecommunication infrastructure development:

- Continuation of Newton Independent School District Technology Task Force consisting of students, parents, teachers, community members and school administrators
- Representation from Region V Education Service Center in technology initiative planning meetings

c. Technology projects that are integrated into existing organizational or community-wide technology plans:

- Collaboration with the Region V ESC Multi-media Cooperative, focusing on technology integration
- Implementation of the Foundation Program and Integration Institute, establishing a vertical team of teachers throughout the district that will allow teachers and students to collaborate on technology integration activities
- Teacher participation in area and regional technology fairs and conferences

d. Evidence of collaboration among entities using telecommunications technologies:

- Local Telephone Service
- collaboration with other school districts in the area via the Southeast Texas

Telecommunications Education Network or SETTEN(a regional partnership to develop instructional services through a shared T-1 connection)

- Dr. Paula Nichols, Lamar University, and Jim Baxter, Region V Education Service Center (regional collaboration for distance learning resources)

e. Evidence of communications among different stakeholders within the community:

Newton Independent School District Technology Task force meetings attended by—city and county representatives, community newspaper representatives, area business leaders, parents and students

f. Evidence that district technology projects are sustainable:

- Technology facilitators established on each campus to support technology curriculum integration and technical trouble shooting
- District provisions for staff members to attend training sessions related to infrastructure support and maintenance
- District network administrator hired to provide network support

g. Evidence that project activities contribute to improved availability and quality of service:

- Students connected via telecommunications to classrooms across the globe
- Faculty members and administrators connected to other educators and resources via telecommunications

h. Evidence that project activities contribute to improved student academic performance:

- Improved problem solving strategies
- Higher level thinking activities to challenge students
- Improved self esteem of the learner due to successful cognitive activities

Evaluation Method:

The Texas Center for Education Technology, a Texas Education Agency Initiative, has recommended that evaluation should be based on multi-faceted data collection strategies:

- site visits,
- structured interviews with participants,
- observations of staff planning and training sessions,
- questionnaires and survey instruments.

These strategies will be used to collect information for the Task Force to use to evaluate the plan. The Assistant Superintendent (also, Technology Director) is responsible for collecting the data and will be assisted by campus principals, staff development facilitators, campus technology liaisons, and the District technician.

The Technology Task Force, will plan, evaluate, and report progress to the district administration and Board of Trustees.

These strategies will be incorporated into the four areas delineated by the Long-Range Plan for Technology, 1996-2010 (refer to the indicators as listed in the activities section of this plan).

The Task Force will review this technology plan using the five specific goals listed in the activities. These goals are:

1. To provide students with the appropriate skills and knowledge to achieve academic success and to become productive members of society.
2. To provide incentives, expertise, resources, and human support to teachers to develop their technology skills.
3. To provide equitable access to quality, standards-based professional development.
4. Provide technology tools and professional development to administrative and support staff for data gathering, analysis, and distribution.
5. Establish an infrastructure for technology that focuses on the technological aspects (hardware and software) and the human infrastructure.

A rubric will be used to score each goal on a five point scale.

The campuses in the district will also use the Texas STAR Chart, developed by TEA, to evaluate effective technology implementation.

#### APPENDIX

Attachment item A:

This diagram shows how the pieces of the evaluation relate to the Technology Task Force's work.

PDF file:

[http://newton.tx.schoolwebpages.com/education/sctemp/fb5f6e5572be6d73b8b6245528af17e4/1272642393/TechPlan\\_Evaluation.pdf](http://newton.tx.schoolwebpages.com/education/sctemp/fb5f6e5572be6d73b8b6245528af17e4/1272642393/TechPlan_Evaluation.pdf)

Attachment item B:

This is a logical diagram of the Local Area Network.

PDF file:

[http://newton.tx.schoolwebpages.com/education/sctemp/fb5f6e5572be6d73b8b6245528af17e4/1272642438/NISD\\_LAN\\_Diagram.pdf](http://newton.tx.schoolwebpages.com/education/sctemp/fb5f6e5572be6d73b8b6245528af17e4/1272642438/NISD_LAN_Diagram.pdf)

Attachment item C:

Board Policy CQ. Electronic Communication and Data Management.

Web site:

[http://www.tasb.org/policy/pol/private/176902/pol.cfm?DisplayPage=CQ\(LOCAL\).html&QueryText=INTERNET](http://www.tasb.org/policy/pol/private/176902/pol.cfm?DisplayPage=CQ(LOCAL).html&QueryText=INTERNET)