Technology for Higher Order Thinking Skills

Long-Range Technology Plan
2012-2015

Lackland Independent School District
2460 Kenly Ave, Bldg 8265
Lackland Air Force Base
San Antonio, Texas
Lackland Independent School District
Long-Range Technology Plan

County District Number: 015913
ESC Region 20

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District Technology Committee: 15 April 2012
2012-2015 Technology Plan
Texas Education Agency: Approved - 13 August 2012
Technology Plan Committee:

Special thanks go to the following people for their active participation and thoughtful contributions in the creating of this Technology Plan:

Dr. Burnie Roper - Superintendent
Rebecca Estrada - Executive Director for Finance
Gail Horn - Principal, Stacey Jr/Sr High School
Terry Leija - Principal, Lackland Elementary School
Dina Webb - Executive Director for Curriculum & Instruction
Janie Pickett - Librarian Coordinator, Lackland ISD Media Center
Kim Martin - Instructional Technologist
Lesley Denny - Instructional Technologist
Bob Warden - History Teacher, Stacey Jr/Sr High School
Thomas Rodgers - Science Teacher, Stacey Jr/Sr High School
Carol Cardenas - Teacher - Lackland Elementary School
Lori Black - Teacher - Lackland Elementary School
Richard Author, Senior Master Sergeant, Parent Representative

The campus level Site-Based Decision Making Committees also reviewed and included the District Technology Plan as part of their goals.

Acknowledgements

We appreciate the time and contributions of our teachers for their timely completion of the Texas Teacher STaR Chart and other feedback. Our other staff, administrators, parents, and students provided insightful feedback and questions along with timely reviews of this technology plan.
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Executive Summary

Integrating technology within our teaching, learning, and operational environments is an ongoing challenge that requires thoughtful planning and a long-term commitment at all levels throughout the district. This technology plan supports the mission of the Lackland Independent School District by establishing guidelines for technology initiatives over the next several years. Technology goals and strategies have been defined to address both the infrastructure and the human elements of our technology plan. Technology related staff development is focused to support our teachers and staff in attaining technical skills proficiency and effective technology implementation. Our focus on “providing all students educationally appropriate, readily accessible, high quality technology resources” addresses our concern that each student’s individual technology resource needs are addressed. Our technology focus to “facilitate each student’s development and use of higher order thinking skills” challenges all teachers to implement technology in their daily curriculum that will help to prepare each student at Lackland ISD to “succeed in the 21st Century” technological challenges. This technology plan will guide us to achieve the goals stated in the Texas Long-Range Plan for Technology 2020. Life-Cycle guidelines for technology resources, combined with both short-term (annual) and long-term technology projects will help guide funding priorities. An “Internet Safety Policy” is incorporated to clarify our implementation of the Children’s Internet Protections Act. Additionally, this plan includes a focus on Math, Science, and Technology Applications as a process to increase students’ mastery level. This builds on a 3-year Department of Defense Education Agency “Promoting Student Achievement at Schools Impacted by Military Forces Structure Changes” grant. Acceptable use guidelines for students and staff are provided to define our network users’ responsibilities for maintaining a positive electronic environment. The evaluation element will help assess our progress toward achieving our educational goals while keeping technology initiatives focused on improving the educational opportunities for our students. Walkthroughs will be incorporated as an individual technology assistance visit tool to help measure progress. Annual reviews of this plan will allow for timely updates and adjustments to reflect the changing nature of technology and its influence on educational methodologies.

Dr. Burnie L. Roper, Superintendent

Purpose

Lackland ISD prepared this Long-Range Technology Plan to articulate a common vision for technology in the district and to identify the strategies that will help provide all students educationally appropriate, readily accessible, high quality technology resources to facilitate each student’s development and use of higher order thinking skills needed to succeed in the 21st Century. We hold that technology is a set of resources that when effectively implemented will help improve the academic achievement, including the technology literacy, of all students; accommodate all students to reach more rigorous curriculum standards; help all students foster development of critical thinking skills that are essential for academic and
workplace success. Teachers are the technology facilitator in the classroom and when provided appropriate professional development, technology will help build the capacity of all teachers to implement technology effectively into curriculum and instruction.

Background

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

- A review of the literature to identify best practices.
- A survey of school site hardware and instructional media.
- A review of student feedback.
- A review of teacher and staff technology feedback.
- A survey of teachers and administrators via the Texas STaR Chart.
- Interviews with site and district administrators and representatives from the Lackland community.
- School site-based decision making meetings.
- Other district technology plans.
- ESC-12’s technology planning tools.

Parameters

This Long-Range Technology Plan is driven by the state curriculum standards and supports the educational mission and instructional goals of Lackland ISD and the No Child Left Behind Act of 2001. Specific attention is given to addressing student standards for technology as defined by the Technology Applications Texas Essential Knowledge and Skills (TA 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. These TA TEKS are used as guidelines for implementing technology into our daily 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 and implementation of technology into the curriculum for teachers, principals, administrators, and school library media personnel to further develop the effective use of technology in the classroom and library media center. This plan is consistent with the recommendations of the Texas Long-Range Plan for Technology 2020 in the areas of Teaching and Learning; Educator Preparation and Development; Leadership, Administration and Support; and Infrastructure. This technology plan also addresses the “e-rate” application guidelines and the goals for technology integration as presented in No Child Left Behind.

Vision Statement

All Lackland ISD students have ubiquitous access to information technology resources that are integrated into the daily curriculum which support development and use of higher order thinking skills. Teachers and administrators model effective use of electronic information
provided through a high quality, readily available telecommunication system. Our technology infrastructure serves as an integrated educational community resource to support connectivity for multi-modal instruction and other educational programs, library services that extend beyond the physical library resources and collaborative teaching/learning opportunities for students. Provide on-going technology staff development resources that extend beyond the physical meeting and training environments. All teachers and administrators are proficient users of technology. Teachers foster an intuitive implementation of technology as a set of tools that support active learning and operational efficiency such as student moderated e-mail. Communication via videoconferencing, the Internet, wireless networked devices, local area network, video broadcasts, and distributed telephone services are the norm for students, teachers, and administrators. Near real-time information about our school’s activities are provided via the Lackland ISD web site, E-newsletters, district app, social media, and other electronic resources. Our students embrace changes in technology as opportunities to continue their life-long learning.

Mission Statement

Our mission is to provide all students educationally appropriate, readily accessible, high quality technology resources to facilitate each student’s development and use of higher order thinking skills needed to succeed in the 21st Century. The goals, objectives, and implementation strategies incorporated in this plan provide guidelines for integrating technology in a meaningful process that will contribute to improving the quality of instruction for the benefit our students.

Demographics

Lackland ISD is a small PK – 12 Texas public school district bounded within Lackland Air Force Base military installation. Our student population is reflective of military families and the larger military community serving our country. See the following table for a numeric description of students attending Lackland ISD (1011-2012 PEIMS).

<table>
<thead>
<tr>
<th>District Accountability Rating</th>
<th>Recognized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Student Enrollment</td>
<td>1114</td>
</tr>
<tr>
<td>District Size (staff)</td>
<td>172</td>
</tr>
<tr>
<td>Percent Economically Disadvantaged</td>
<td>31.1</td>
</tr>
<tr>
<td>Total budget</td>
<td>$12,147,234</td>
</tr>
<tr>
<td>Number of campuses</td>
<td>2</td>
</tr>
<tr>
<td>Technology Expenditures</td>
<td>$825,028</td>
</tr>
<tr>
<td>Technology Expenditure Per Pupil</td>
<td>$763</td>
</tr>
<tr>
<td>Technology as Percentage of Budget</td>
<td>6.7</td>
</tr>
<tr>
<td>Campuses with Direct Connection to Internet</td>
<td>2</td>
</tr>
<tr>
<td>Campuses with Direct Internet Connection</td>
<td>100%</td>
</tr>
<tr>
<td>Classrooms with Direct Internet Connection</td>
<td>100%</td>
</tr>
<tr>
<td>Computer/Student Ratio</td>
<td>1.5 : 1</td>
</tr>
<tr>
<td>Computer/Teacher Ratio</td>
<td>1 : 1</td>
</tr>
<tr>
<td>Number of campuses completing the Texas Campus STaR Chart</td>
<td>2</td>
</tr>
<tr>
<td>Percent of campuses completing the Texas Campus STaR Chart</td>
<td>100%</td>
</tr>
</tbody>
</table>
General Introduction

Lackland ISD provides educational resources to all students residing within our school boundaries. Lackland ISD consists of two campuses, one primary school for PK through 6th grade and one secondary school for 7th through 12th grade students. Our students are military family dependents.

This technology review committee is a sub-committee of our district technology committee. Their task is to review our existing district technology plan for currency and to ensure it aligns with federal (E-Rate and No Child Left Behind) and state guidelines while most importantly reflecting our local goals, objectives, and strategies for implementing technology as a set of tools to support our student’s educational opportunities. This is an annual review that looks at progress on technology specific strategies. Both our Elementary School and Jr/Sr High School staff participate in this process. The recommendations (this plan) will be submitted to the campus and district site-based decision making committees for adoption in their plans. We post our technology plan on our district web site for public access and community participation.

Needs Assessment

This technology plan is based on several data sources as well as the individual expertise and experience of the technology review committee members. Texas STaR Chart assessment, equipment inventory, and PEIMS data were considered in the development of this plan. A summary analysis of these data sources can be found on our district web site as referenced in Appendix E. The annual needs assessment begins each fall as we prepare for submission of our E-Rate applications. Lackland ISD’s existing technology plan forms the basis for applying for discounts on existing telecommunication services, Internet services, and internal infrastructure while serving as a tool to project needs for the coming years. Research review of other projects is considered to ensure our programs and strategies are focused on successful and sound practices. Self-assessment tools serve as a guide for identifying technology related staff development throughout the year. Teacher and staff feedback was sampled as part of our technology committee’s role. Student input was considered via participation in technology clubs, student surveys, and other student discussions. Each campus and all teachers completed an on-line campus Texas STaR Chart as a tool to assess the current status of technology in the district and determine future needs. Local equipment inventories were analyzed to assess infrastructure, hardware, and software needs. Most importantly, students’ academic performance was considered as an indicator of opportunities to focus technology support or projects.

Current Infrastructure:
The following technology infrastructure is currently in place:
District-Wide

- Direct connection to the Internet via a 5MB fiber cable connected to Educational Service Center Region 20 as an Internet Service Provider along with additional band width provided directly by the data fiber cable provider.
- The district web service provides information and capacity for teachers’ data to be shared with our community and includes a web hosted service for providing direct teacher control of their web content via on-line web page management tools.
- Local Area Network (wired and wireless) provides switched services for e-mail, shared folders, and Internet access to all teacher and student workstations, laptops, or mobile devices.
- Written policies are in place on acceptable use of the Internet (see Appendix B and C), World Wide Web content, network management, and equipment donations (see school acceptably use guidelines at www.lacklandisd.net/technology.)
- Internet content filtering is in place to provide initial protection from inappropriate content as part of our efforts to meet the requirements of the CIPA.
- Most students have wireless access to the Internet and LAN resources through laptop computers and other mobile devices that support the classroom curriculum.
- A telephone system is in place to provide direct calling and voice mail for all teachers, administrators, and staff that facilitates communication with parents.
- Electronic grade automation and attendance connects teachers to the student records system and allows parents to have on-line access to their students’ data.
- A distributed TV system connects to all classrooms with live feed cable TV via local cable service provider (Time-Warner).
- Resources to support increased student participation such as Student Responders, ActivBoards (interactive whiteboard technology), laptops, digital cameras, and presentation document cameras are incorporated throughout the district.
- Facility resources such as the “Eye Max” in the Media Center foster small group presentations with multimedia resources.
- Scheduling software contributes to more effective use of facility resources and equipment.
- On-line maintenance reporting (Eduphoria Help Desk) is used to document and increase response time to technology related support requests.
- Staff development is being presented and tracked via a Moodle provider.
- Media center provides hardware, access to digital resources, and automation to on-line access to reference resources and traditional library resources.
- Use video resources to increased student, teacher, leadership, and community shared access.

LACKLAND Jr/Sr High School campus

- Direct connection to the Internet via a 5MB fiber cable connected to Educational Service Center Region 20 as an Internet Service Provider along with additional band width provided directly by the data fiber cable provider.
- Two or more Cat-5 10/100MB network drops are in every classroom.
Web hosted services provide students, teachers, and our community with electronic resources and school information.

Local Area Network provides switched Ethernet-to-the-desktop and wireless access for student and teacher workstations.

All workstations are provided with Microsoft Office or access to Google Apps for word processing, presentations, graphics, and spreadsheet use and other web 2.0 tools.

Computer science lab, business lab, learning resource center (STAR) lab, and Jr. HS computer lab are networked with access to file servers for specialized/network applications and shared student drive space.

Most classrooms have cable TV connections integrated into the LCD projection system via a teacher workstation or laptop and a VCR/DVD device.

The shared district media center provides traditional and electronic library resources. The media center has student workstations with a networked online card catalog, Internet access and connection to digital content. Additionally, the media has electronic checkout and tracking resources.

All students have network accounts and access to controlled e-mail accounts for 24X7 communications, if allowed by parents and approved by teacher(s).

Telephones service with voice-mail is provided to all classrooms for teacher access to facilitate parent communication.

A Moodle learning management system is being used by several teachers to provide up-to-date on-line educational resources for students and shared teacher resources for collaboration along with staff development resources.

Use of prescriptive on-line resources to help improve our students’ and teachers’ technology applications skills and knowledge.

Lackland Elementary Campus

Direct connection to the Internet via a 5MB fiber cable connected to Educational Service Center Region 20 as an Internet Service Provider along with additional bandwidth provided directly by the data fiber cable provider.

Web hosted service provides students, teachers, and community with electronic resources and school information.

Local Area Network provides switched Ethernet-to-the-desktop and wireless access for student and teacher workstations.

All workstations are provided with Microsoft Office or access to Google Apps for word processing, presentations, graphics, and spreadsheet use and other web 2.0 tools.

Two computer lab learning centers are networked with access to file servers for specialized/networked applications and shared student drive space.

A computer specialist manages the daily technology training provided within two student computer labs.

A Moodle learning management system is being used by several teachers to provide up-to-date on-line educational resources for students and shared teacher resources for collaboration along with staff development resources.
- All K through 6th grade classrooms have video projection via a LCD projector connected through teacher’s workstation and most classrooms have an interactive whiteboard (Promethean ActivBoard) and student responder system.
- The shared district media center provides traditional and electronic library resources. The media center has 34 student workstations with a networked online card catalog, Internet access, and connection to digital content. Additionally, the media has electronic checkout and tracking resources.
- Many students have moderated e-mail accounts for 24X7 communications.
- Telephones service with voice-mail is provided to all classrooms for teacher access to facilitate parent communication.

**Telecommunications Services:**

All students and staff members have access to the Internet through a direct connection (as cited above in the Statement of Existing Conditions). A local area network (LAN) is in place to provide Ethernet (10/100/1000MB) connectivity to all classrooms, staff areas, and wireless connectivity throughout each campus. Telephone service with voice-mail is provided to all classrooms and staff offices. A detailed network diagram is on file with the printed and electronic technology plan. Need to increase our capability to provide video services to students, teachers, and leadership to improve community communications.

**Inventory:**

The latest inventory of current technology resources available for student use in Lackland ISD as of May 2012 is provided in the chart below. Only current, non-obsolete (2008 generation processors at 2 MHz with at least 2GB RAM; network-capable) student computers are listed. The list does not include administrative computers or file servers.

<table>
<thead>
<tr>
<th>CAMPUS</th>
<th>NUMBER OF STUDENTS</th>
<th>TOTAL COMPUTERS</th>
<th>STUDENT TO COMPUTER RATIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lackland Elementary</td>
<td>814</td>
<td>481</td>
<td>2:1</td>
</tr>
<tr>
<td>Stacey Jr/Sr High School</td>
<td>300</td>
<td>370</td>
<td>1:1</td>
</tr>
<tr>
<td><strong>GRAND TOTALS</strong></td>
<td><strong>1114</strong></td>
<td><strong>851</strong></td>
<td><strong>1.5:1</strong></td>
</tr>
</tbody>
</table>

**Needs Summary:**

Several technology needs are identified based on the concerns of the technology committee members by using the data from the Texas Campus and Teacher STaR charts, staff assessments, and student feedback. Additional technology needs were derived from review of equipment inventories and infrastructure capabilities in terms of (Elementary/Jr&Sr High School) STaR Chart ratings.

- **Teaching and Learning** issues impact our student’s academic performance. Emphasis is placed using technology resources to engage students in higher order thinking skills...
that directly support the TEKS while meeting the goals of the Technology Application TEKS. Identified needs are translated into technology related strategies, projects, hardware and software along with technical support and resources. It is noteworthy that our students’ academic performance was “Exemplary” at the Elementary School and “Recognized” at the Stacey Jr/Sr High School. An emphasis has been placed on Math and Science student performance as reflected in the DoDEA grant. Improving student performance on the 8th Grade Technology Applications assessment is also identified as a priority as shown in the DoDEA grant. Math and Science classrooms could capitalize on access to Tablet PC and science related electronic probes to enhance student hands-on activities. A focus on using mobile devices such as the Apple iPad appears to have momentum with the connection to selected ‘apps’ and our curriculum. Providing feedback with teachers about their technology integration led to the creation of a walkthrough program and associated rubric. The connection between the Texas Teacher STaR Chart has been increase through the use of the ‘Advanced Tech’ level as the measure of expectation for technology integration.

- **Educator Preparation and Development** issues that impact our teachers’ capabilities and capacity to support our students’ academic achievements are tied to effective strategies. Technology support and staff development is coordinated with curriculum goals to ensure maximum return. Our technology staff development and training is focused on supporting the Science, Math, and Social Studies curriculum revisions. Technology professional development is planned in coordination with the campus leadership and facilitated through two full-time instructional technologists and other programs and resources. Technology related staff development is as an on-going process aimed at supporting teachers’ capability to provide all students educationally appropriate, readily accessible, high quality technology resources to facilitate each student’s development and use of higher order thinking skills necessary to succeed in the 21st Century. Technology related staff development is presented in conjunction with curriculum procedures such that it models the teaching practices of infusing technology into the subject content instead of teaching a “technology” class. Additional experience is needed to fully integrate the effective use of student responders into the daily curriculum. About 75% of our teachers are graduates of our Intel Teach to the Future project that directly supports integration of technology into the curriculum through technology skill development and instruction in project-based and inquiry-based methodologies. Moodle learning management system use is needed to track and record staff development and initiatives to incorporate its use in classroom activities. Curriculum tracking from within the Eduphoria program is complementing the other feature of this on-line resource.

- **Leadership, Administration and Support** issues that our teachers expressed is continued opportunities for staff development and time to enhance their professional technology level of expertise. Leadership in supporting effective technology implementation with a renewed emphasis on the Texas Teacher STaR Chart ‘advanced tech’ level as the expectation. All administrators are supporting various technology implementation strategies through funding resources and establishing the advanced tech level as the expectation.
- **Infrastructure** needs are reflected as continual actions to maintain capacity at a high level that supports student, teacher, and administrator expectations. Our technology department is focused on providing an infrastructure, technology resources, and technical support to facilitate effective operation of telecommunications, Internet, network, and end-item technology resources that will help provide all students educationally appropriate, readily accessible, high quality technology resources to facilitate each student’s development and use of higher order thinking skills necessary to succeed in the 21st Century. A ‘help desk’ feature from within the Eduphoria online resources is used to track technology support requests. A rubric was created to help identify the appropriate priority and point of contact for various technology support issues. Emphasis is needed in the area of video processing and distribution in support of enhanced community communications.

Our technology goals, objectives, and strategies are designed to support the technology needs identified in these areas. Our teachers are working towards the “Advance Tech” level as defined on the Texas Teacher STaR Chart. Access to technology resources and support is based on an open and inclusive atmosphere for equitable access for all students, teachers, and staff at Lackland ISD. See the objectives and goals for more details.

**Goals, Objectives/Strategies, Timeline, Person(s) Responsible**

We have developed goals that are observable and allow us to measure expectations for student and teacher use of technologies that correlate to the curriculum (TEKS) addressing the four areas of the Texas Long-Range Plan for Technology, 2020: 1) Teaching and Learning, 2) Educator Preparation and Development, 3) Administration and Support Services, 4) Infrastructure for Technology. Each goal has specific objectives that identify what is to be accomplished to meet the goals. Objectives are correlated to NCLB and E-Rate guidelines. A budget amount is allocated for each objective correlated to one of the four Long-Range Plan for Technology categories.

**Strategies** are identified for the goals as the specific activities that will be conducted to achieve the related objective. All strategies identify the person(s) responsible, timeline, and evidence that will be used to measure success. Strategies are also correlated to the, NCLB, and E-Rate guidelines.

**Timeline** identifies the period of time in which we plan to complete the goals. Each timeline provides an approximate date(s) for completion of each item; however, most of the goals are on-going activities that require continuous technology support.
Goal #1.a. ~ Teaching and Learning

Objective: Improve the academic achievement, including technology literacy, of all students

Budget amount:
LRPT Category: NL01, NL02, NL04, TL06
NCLB Correlates: N01, N02, N03, AND N04A
E-Rate Correlates:

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Responsibility</th>
<th>Timeline</th>
<th>Budget</th>
<th>Evaluation</th>
</tr>
</thead>
</table>
| 1. All students become proficient technology users as measured by the Technology Applications TEKS for their grade-level. | • Campus Principals – provide guidance and leadership.  
• Teachers – Provide instruction that integrates technology in the daily curriculum per grade-level technology implementation guidelines.  
• Instructional Technologist – Provide subject/grade-level implementation guidelines for all grade-levels and instructional support.  
• Director of Technology – support TA TEKS curriculum implementation. | 2012–2015 (on-going) | • $19,000 – 1 computer lab specialist  
• $22,664 – DoDEA grant for on-line prescriptive resources  
• $28,500 – DoD grant funds for supporting TA TEKS implementation.  
• $7,000 – Texas Technology Allotment for general supplies and software allocated per campus. | • Assess progress using on-line prescriptive resources.  
• Use TA TEKS on-line assessment results reported to TEA as part of STaR Chart.  
• Student performance data on-line via Easy-Tech (1–6).  
• Student Pre and Post 8th Grade Technology Skills assessment (on-line) |
## Goal #1.a. ~ Teaching and Learning

**Objective:** Improve the academic achievement, including technology literacy, of all students

**Budget amount:**
**LRPT Category:** NL01, NL02, NL04, TL06
**NCLB Correlates:** N01, N02, N03, AND N04A
**E-Rate Correlates:**

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Responsibility</th>
<th>Timeline</th>
<th>Budget</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Provide technology clubs that emphasize technology, math, science, and robotics.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Increase student expertise through hands-on use of technology resources.</td>
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<tr>
<td>- Develop leadership skills through club activities.</td>
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<td></td>
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<tr>
<td>- Foster developing a cadre of student technicians that can augment classroom technology implementation.</td>
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<tr>
<td>• Principals – budget and provide time and resources for club activities.</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>• Host Teacher – host the clubs with planned exploration and use of mobile devices.</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Director of Technology – support with technical assistance.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2012–2015 (on-going)</td>
<td>$5,103 – DOD grant for supplies and equipment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$1,200 – teacher stipend (campus funds)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of students participating</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual club evaluation conducted by the host teachers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual program assessment by the campus principals and director of technology</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Example:** SWAT

**LRPT Correlates:**
### Goal #1.a. ~ Teaching and Learning

**Objective:** Improve the academic achievement, including technology literacy, of all students

<table>
<thead>
<tr>
<th>Budget amount:</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRPT Category: NL01, NL02, NL04, TL06</td>
</tr>
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<tr>
<td>E-Rate Correlates:</td>
</tr>
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<th>Timeline</th>
<th>Budget</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Implement the technology components of the TEKS at the STAR Chart “Advanced” level.</td>
<td>• School Principals – Provide leadership and budget for curriculum and technology resources. &lt;br&gt; • Curriculum developer(s) – Design and incorporate technology implementation strategies into the curriculum &lt;br&gt; • Teachers – Integrate technology at the STaR chart Advanced level. &lt;br&gt; • Teachers – Complete 2 lessons/units/projects where students utilize technology at the STaR Chart Advanced level. &lt;br&gt; • Instructional Technologist – Support classroom technology implementation &lt;br&gt; • Director of Technology – Provide technology implementation support and leadership.</td>
<td>2012–2015 (on-going)</td>
<td>• $2800 – Local funds to sustain network access, student e-mail, and summer staff Development. &lt;br&gt; • $30,000 – DOD grant for classroom equipment. &lt;br&gt; • $32,000 – Local funds to maintain student classroom laptop computers.</td>
<td>• Teacher assessment. &lt;br&gt; • Annual program assessment by the campus principals and technology director. &lt;br&gt; • Annual TAKS test results &lt;br&gt; • Technology implementation assessment (STaR Chart) and review of staff development &lt;br&gt; • Forthought lesson plans &lt;br&gt; • Student Tech Use Surveys &lt;br&gt; • Walk-throughs</td>
</tr>
</tbody>
</table>

LRPT Correlates:
Goal #1.a. ~ Teaching and Learning
Objective: Improve the academic achievement, including technology literacy, of all students

Budget amount:
LRPT Category: NL01, NL02, NL04, TL06
NCLB Correlates: N01, N02, N03, AND N04A
E-Rate Correlates:

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<tbody>
<tr>
<td>4. Utilize student responders for formative assessments.</td>
<td>• Elementary School Principal – Provide leadership and budget resources</td>
<td>2012–2015 (on-going)</td>
<td>• $2,000 – local funds for teacher stipend and resources.</td>
<td>• Forethought lesson plans</td>
</tr>
<tr>
<td></td>
<td>• Instructional Technologists – Support technology component and instructional design of the club activities.</td>
<td></td>
<td></td>
<td>• Walkthroughs based on the individualized Technology Assistance Visit (iTAV) Rubric with a goal to achieve the advanced tech level</td>
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<td></td>
<td>• Host teacher – Serve as the technology club facilitator.</td>
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<td></td>
<td>• Director of Technology – Provide support and assessment.</td>
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</table>
Goal #1.a. ~ Teaching and Learning
Objective: Improve the academic achievement, including technology literacy, of all students

Budget amount:
LRPT Category: NL01, NL02, NL04, TL06
NCLB Correlates: N01, N02, N03, AND N04A
E-Rate Correlates:

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</table>
| 5. Provide all 8th – 12th grade students with 24X7 access to technology resources in support of curriculum (TEKS and TATEKS), instructional objectives, and teaching strategies. | • High School Principal – Provide leadership and budget resources  
• Instructional Technologists – Support technology component and instructional implementation of the activities.  
• Host teachers – Serve as the technology project facilitator.  
• Director of Technology – Provide support and assessment. | 2012–2015 (on-going) | • $3,500 – local funds for teacher stipends  
• $7,500 – local funds for student equipment maintenance and repair. | • Number of students participating  
• Annual project report prepared by the host teachers  
• Annual program assessment by the campus principal and director of technology. |
Goal #1.a. ~ Teaching and Learning  
Objective: Improve the academic achievement, including technology literacy, of all students  
Budget amount:  
LRPT Category: NL01, NL02, NL04, TL06  
NCLB Correlates: N01, N02, N03, AND N04A  
E-Rate Correlates:  

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<th>Evaluation</th>
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</table>
| 6. All students will experience high-level technology in all classrooms such as:  
  • Activboards  
  • Mobile Devices  
  • Student Responders  
  • Electronic probes  
  • Digital cameras and video  
  • Cloud based tools  
  • Digital content (software, apps, on-line content, e-books to include textbooks)  
  • Student collaborative communications (e-mail and other social media aligned to instructional goals)  
  • On-line testing resources  |  
  • Principals – Provide leadership and budget resources  
  • Instructional Technologists – Support technology component and instructional implementation of the activities.  
  • Host teachers – Serve as the technology project facilitator.  
  • Director of Technology – Provide support and leadership  | 2012–2015 (on-going) |  
  • $42,000 – local funds for Instructional technologist (2 @ 35%)  
  • $40,000 – Local funds for technology equipment and supplies.  |  
  • Student participation and feedback  
  • Teacher and staff feedback  
  • Annual assessment by the campus principal and director of technology.  |
Goal #1.b. ~ Teaching and Learning
Objective: Integrate technology (including software and electronically delivered learning materials) into curricula and instruction, and utilize a timeline for this integration.

Budget amount:
LRPT Category:
NCLB Correlates: N02, N11, AND N12
E-Rate Correlates:

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<th>Evaluation</th>
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</table>
| 1. Provide in-classroom instructional technology support for initiatives to integrate technology into daily curriculum at the STaR Chart Advanced level. | • Principals – Provide leadership and project assessment.  
• Instructional Technologists – Action agent to provide technology support  
• Teachers – Implement technology in to daily classroom curriculum  
• Director of Technology – Provide technical support and budget for resources. | 2012–2015 (on-going) | $12,000 – local funds for 10% of two Instructional Technologists (Staff Dev)  
$3,450 – local funds for data processing repairs.  
$4,500 – local funds for Network Analyst support (10%)  
$10,000 – local funds, Teacher Tech Grant for supplies  
$8,000 – Teacher Tech Grant (local funds) for equipment | Number of teachers implementing lessons at the STaR Chart ‘advanced’ level.  
Quality of technology implementation projects  
Annual assessment report to the Superintendent by the technology director.  
Campus Principal’s assessment of the project.  
Walk-throughs |
Goal #1.b. ~ Teaching and Learning
Objective: Integrate technology (including software and electronically delivered learning materials) into curricula and instruction, and utilize a timeline for this integration.

Budget amount:
LRPT Category:
NCLB Correlates: N02, N11, AND N12
E−Rate Correlates:

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<th>Evaluation</th>
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</table>
| 2. All teachers will implement technology at the STaR Chart ‘Advanced’ level | • Principals – Provide leadership and budget for resources  
• Instructional Technologists – Action agent to provide technology implementation support  
• Teachers – Implement technology in daily lessons  
• Director of Technology – Provide technical support and leadership | 2012−2015 (on-going) | • $2,000 – local campus funds for teacher substitutes  
• $6,000 – local funds for 5% of two Instructional Technologists (Staff Dev)  
• $7,000 – Tex Tech Allotment for equipment. | • Student participation and feedback  
• Review level of technology use as reflected in lesson plans  
• Quality of technology implementation projects  
• Annual Teacher STaR Chart data.  
• Annual assessment by the campus principal and director of technology. |

LRPT Correlates: EP09
Goal #1.b. ~ Teaching and Learning
Objective: Integrate technology (including software and electronically delivered learning materials) into curricula and instruction, and utilize a timeline for this integration.

Budget amount:
LRPT Category:
NCLB Correlates: N02, N11, AND N12
E-Rate Correlates:

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</table>
| 3. All teachers will routinely integrate on-line learning and teaching resources. | ▪ Principals – Provide leadership and budget for resources  
▪ Instructional Technologists – Action agent to provide technology implementation support  
▪ Teachers – Implement technology  
▪ Director of Technology – Provide technical support and leadership | 2012–2015 (on-going) | ▪ $2,400 – local funds for video bridging (ESC-20)  
▪ $3,600 – DoD grant funds for on-line resources such as Atomic Learning.  
▪ $3,000 – local funds for 5% of one Instructional Technologist. | ▪ Student participation and feedback  
▪ Review level of technology use as reflected in lesson plans  
▪ Quality of technology implementation projects  
▪ Annual Teacher STaR Chart data.  
▪ Annual assessment by the campus principal and director of technology. |
**Goal #2.a. ~ Educator Preparation and Development**

**Objective:** Improve the capability of all teachers to integrate technology effectively into curriculum and instruction

**Budget amount:**

**LRPT Category:**

**NCLB Correlates:** N04b, N07

**E-Rate Correlates:**

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</table>
| 1. All teachers work towards the ADVANCED level as defined in the Texas Teacher STaR Chart  
  - Complete Texas Teacher STaR Chart (annually)  
  - SBEC technology proficiency  
  - Professional staff development to include the use of Moodle for tracking and presenting. | Principals – Provide leadership and budget for resources  
  - Instructional Technologists – Action agent to provide technology implementation support  
  - Teachers – Develop a personal strategy for continual technological improvement  
  - Director of Technology – Provide technical support and leadership | 2012–2015 (on-going) | $1,000 – local funds to provide teacher access to staff development  
  $6,000 – local funds for 5% of two Instructional Technologists (Staff Dev) | Teacher technology "proficient" as reflected on the Texas Teacher STaR Chart.  
  Review level of technology use as reflected in lesson plans  
  Feedback from Instructional Technologist.  
  Annual assessment by the campus principal and director of technology. |
Goal #2.a. ~ Educator Preparation and Development
Objective: Improve the capability of all teachers to integrate technology effectively into curriculum and instruction
Budget amount:
LRPT Category:
NCLB Correlates: N04b, N07
E-Rate Correlates:

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</table>
| 2. Provide opportunities for all teachers to receive technology staff development.  
  • SBEC Technology Standards  
  • Integrate technology related knowledge and skill into all professional staff development.  
  • Review teacher needs for professional technology related staff development |  
  • Campus Principals – Direct and approve workshop or professional development attendance.  
  • Teachers – Plan for workshops or professional development that will enable proficiency of the SBEC technology standards.  
  • Instructional Technologists – provide or recommend sources for teachers to acquire technology related professional staff development.  
  • Director of Technology – support technology implementation with technical skills development opportunities | 2012-2015 (on-going) |  
  ▪ $7,000 – Texas Tech allotment to facilitate attendance at approved workshops and/or professional development.  
  ▪ $1,000 – local funds for teacher substitutes to allow attendance at staff development. |  
  ▪ Teacher technology “proficient” as reflected on the Texas Teacher STaR Chart.  
  ▪ Review level of technology use as reflected in lesson plans  
  ▪ Feedback from (iTAV) walkthroughs by the campus principal and director of technology. |
**Goal #2.a. ~ Educator Preparation and Development**

**Objective:** Improve the capability of all teachers to integrate technology effectively into curriculum and instruction

**Budget amount:**

**LRPT Category:**

**NCLB Correlates:** N04b, N07

**E-Rate Correlates:**

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</table>
| 3. Provide all teachers with professional development opportunities and support in implementing grade level appropriate technology at the “Advanced” STaR Chart level.  
  - Use exemplars  
  - Model technology implementation lessons  
  - Provide peer-to-peer and sharing opportunities such as a Moodle.  
  LRPT Correlates: | ✓ Campus Principals – provide directions for implementing technology projects and assess the quality.  
  ✓ Teachers – Document level of technology implementation in lesson plans  
  ✓ Instructional Technologists – provide instructional support as requested by teachers, grade-levels, or principals.  
  ✓ Director of Technology – provide training and support as requested. | 2012–2015 (on-going) | ✓ $42,000 – local funds for (35%) Instructional Technologists to support staff development.  
  ✓ Time for teachers to plan and develop technology infusion projects.  
  ✓ $1,000 – local funds for substitute teachers | ✓ Review level of technology use as reflected in lesson plans  
  ✓ Feedback from Instructional Technologist (instructional support and iTAVs).  
  ✓ Annual assessment by the campus principal and director of technology. |
Goal #2.b ~ Educator Preparation and Development

Objective: Provide training to identify and promote curricula and teaching strategies that integrate technology effectively into curricula and instruction, based on a review of relevant research and leading to improvements in student academic achievement.

Budget amount:
LRPT Category:
NCLB Correlates: N02, N08
E-Rate Correlates:

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</table>
| 1. Provide opportunities for all teachers to participate in technology integration professional staff development.  
  • Scheduled professional staff development  
  • Technology cohorts | • Campus Principals – encourage and support teachers participating in technology intensive training.  
  • Individual Teachers – Attend and produce instructional products per course requirements.  
  • Director of Technology – Arrange for technology integrated staff development, budget for equipment and stipends, and assist with curriculum coordination. | 2012-2015 (on-going) | • $4,450 – DoD grant funds for Intel teach program. | • % completing each class  
  • End of course evaluation by teachers  
  • End of course assessment by the facilitators.  
  • Annual assessment by the campus principal and director of technology. |
Goal #2.b ~ Educator Preparation and Development
Objective: Provide training to identify and promote curricula and teaching strategies that integrate technology effectively into curricula and instruction, based on a review of relevant research and leading to improvements in student academic achievement.
Budget amount:
LRPT Category:
NCLB Correlates: N02, N08
E-Rate Correlates:

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</table>
| 2. Provide technology related professional staff development for all teachers and staff through cooperative arrangements.  
   - On-line resources  
   - Use Moodle course management for tracking and presenting on-line staff development |  
   - Director of Technology – Request budget item  
   - Campus Principals – gatekeeper for approval of teacher attendance | 2012–2015 (on-going) |  
   - $1,400/yr local funds for membership in the ESC–20 technology integration coop. |  
   - Review annual participation  
   - Annual assessment by the campus principal and director of technology. |

LRPT Correlates:

Goal #2.c. ~ Educator Preparation and Development
Objective: Provide ongoing, sustained professional development for: teachers, principals, administrators, and school library media personnel to further the effective use of technology in the classroom and the library media center.
Budget amount:
LRPT Category:
NCLB Correlates: N06, N08, AND N09
E-Rate Correlates:
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<tbody>
<tr>
<td>1. Maintain on-going access to technology leadership training.</td>
<td>♦ Superintendent – gatekeeper for administrative staff participation. ♦ Campus Principals – gatekeeper for teacher participation. ♦ Technology director – request budget</td>
<td>2012–2015 (on-going)</td>
<td>♦ $1500 – local funds for media center resources such as data-bases and digital content</td>
<td>♦ Director of Technology will review annual participation.</td>
</tr>
<tr>
<td>2. Provide on-line resources that support development of effective uses of technology in the classroom and library media center</td>
<td>♦ Instructional technologist – develop a list of on-line resources that support effective practices and support implementation of on-line resources for the Elementary computer labs. ♦ Campus Principals – Model expectations for effective use of technology. ♦ Media Center Librarian – Recommend, purchase, and support on-line resources. ♦ Director of technology – ensure on-line access is available.</td>
<td>2012–2015 (on-going)</td>
<td>♦ $4,500 – local funds for 10% of Network Analysts support. ♦ $1,200 – local funds for on-line media services ♦ Easy-Tech on-line software is provided as a Texas text book resource.</td>
<td>♦ % completing ♦ End of course evaluation by teachers ♦ Teacher STaR Chart data ♦ Annual assessment by the campus principal and director of technology.</td>
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<td>LRPT Correlates:</td>
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Goal #3.a.~ Leadership, Administration and Support
Objective: Provide supporting resources, such as services, software, other electronically delivered learning materials, and print resources, that will be acquired to ensure successful and effective uses of technology.

Budget amount:
LRPT Category:
NCLB Correlates: N01
E-Rate Correlates:

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</table>
| 1. Provide support for all teachers to become proficient technology users at the STaR Chart Advanced level.  
- In-classroom Instructional Technologist support  
- Technical and instruction support for classroom resources  
- Staff development, training, coaching, and mentoring. |  
- Supervisors – Ensure all staff members plan for and obtain technology related staff development/training as part of their professional staff development  
- Director of Technology – provide training opportunities and electronic resource for technology related staff development and training.  
- Instructional Technologists – Provide staff development opportunities to support teacher’s technology needs. | 2012–2015 (on-going) |  
- $8,000 – local funds for staff development support (10% Tech Dir) |  
- Annual assessment of staff participation and mastery. |
Goal #3.a.~ Leadership, Administration and Support

Objective: Provide supporting resources, such as services, software, other electronically delivered learning materials, and print resources, that will be acquired to ensure successful and effective uses of technology.

Budget amount:
LRPT Category:
NCLB Correlates: N01
E-Rate Correlates:

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</table>
| 2. Maintain teacher and administrative access to printed, copied, and shared digital resources through increased digital processes. | ♦ Director of Technology – provide alternative digital paper processing options  
♦ Teachers and staff – learn to use digital processing resources  
♦ Business Manager – support operation of the business functions of the TxEIS software. | 2012–2015 (on-going) | ♦ $38,800 – local funds to support copying into more digital process.  
♦ $20,000 – local funds for acquisition of district-wide software programs for management of student and fiscal data (TxEIS).  
♦ $10,000 – local funds for classroom ink (per campus)  
♦ $8,000 – local funds for administrative support (10%Tech Dir) | ♦ User satisfaction via the annual teacher technology survey  
♦ Compare expense of copying to digital process on an annual per copy basis.  
♦ Annual assessment of ESC–20 products and support by Business Manager and Director of Technology. |
| LRPT Correlates:                                                         |                                                                               |                |                                                                        |                                                                                               |
| 3. Provide all support staff with technology related job skills development opportunities. | ♦ Business Manager – Provide leadership, budget, and annual training goals.  
♦ Director of Technology – develop training opportunities and method for tracking progress.  
♦ Instructional Technologists – Facilitate training opportunities. | 2012–2015 (on-going) | ♦ $6,000 – local funds for 5% of instructional technologists. | ♦ Establish a baseline for training requirements  
♦ Annual assessment to measure progress such as number training sessions, training critiques, and supervisory feedback. |
Goal #3.a. ~ Leadership, Administration and Support
Objective: Provide supporting resources, such as services, software, other electronically delivered learning materials, and print resources, that will be acquired to ensure successful and effective uses of technology.

Budget amount:
LRPT Category:
NCLB Correlates: N01
E-Rate Correlates:

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</table>
| 4. Provide electronic communication resources.  
  - E-mail (students)  
  - E-mail (teachers and staff)  
  - Social Media publishing | • Director of Technology – budget for student e-mail and develop training opportunities  
  • Instructional Technologists – Manage student e-mail accounts and facilitate training. | 2012-2015 (on-going) | ▪ $1,600 – local funds for student e-mail  
  ▪ $3,000 – local funds for 5% of 1 instructional technologist  
  ▪ $2,400 – local funds for E-mail archive service | ▪ Collect student feedback on e-mail.  
  ▪ Annual assessment of staff and teacher e-mail service. |
Goal #3.b. ~ Leadership, Administration and Support  
Objective: Use technology effectively to promote parental involvement and increase communications with parents.  

Budget amount:  
LRPT Category:  
NCLB Correlates: N09  
E-Rate Correlates:  

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</table>
| 1. Increase community communications by providing electronic information from all teachers, campuses, and departments through a user maintained web site. | ♦ Director of Technology – provide access via a web-enable set of tools that allow teachers and staff to maintain their own web content.  
♦ Principals – provide direction to require all teachers and campus functions to maintain a current set of data to better communicate with students, parents, and community.  
♦ Instructional Technologist – provide instructional support, templates, and staff development to prepare all teachers, administrators, and staff with functional skills to maintain a current web | 2012–2015 (on-going) | ♦ $2,500 – local funds for web tools. <E-Rate>  
♦ $1500 – local funds (stipend) for web page design and technical support  
♦ $6,000 – local funds for maintenance. | ♦ Director of technology will provide annual report to the District Superintendent on the district web page community services. |
Goal #3.b. ~ Leadership, Administration and Support
Objective: Use technology effectively to promote parental involvement and increase communications with parents.
Budget amount:

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<tr>
<td>2. Maintain existing community communications through a telephone system that provides access to and from all classrooms with teacher controlled voice-mail.</td>
<td>• Principals – Provide direction on the use of voice-mail as a tool to provide communication between teachers and parents. • Director of Technology – Maintain the telephone system to provide effective voice communications for all teachers and staff</td>
<td>2012–2015 (on-going)</td>
<td>• $9,000 – local funds for telephone system maintenance • $17,000 – local funds for local telephone service. • $3,000 – local funds for long distance telephone service. • $12,500 – local funds for administrative support – (10% Technology Director and 10% Network Analyst).</td>
<td>Director of Technology – Assess the satisfaction of the telephone systems through annual user review.</td>
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<td>LRPT Correlates:</td>
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<tr>
<td>3. Maintain Internet Services to provide a web presence to support community communications between students, parents, and teachers and staff.</td>
<td>• Administrators – provide content for district web site to promote timely information sharing with our community • District – maintain the weekly e-news letter • Director of technology – maintain the e-mail system to include archival service.</td>
<td>2012–2015 (on-going)</td>
<td>• $12,450 – local funds for time and effort to provide content for district functions (Dir Tech 10% and Network analyst 10%).</td>
<td>Administrator should assess the effectiveness and serviceability of functional content shared with electronic community. • Director of Technology – Assess the satisfaction with e-mail via the annually.</td>
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</table>
Goal #3.b. ~ Leadership, Administration and Support  
Objective: Use technology effectively to promote parental involvement and increase communications with parents.

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</table>
| 4. Provide parents the opportunity to have on-line access to their students’ grade data. | • Principals – provide guidance for classroom data entry  
• Teachers – keep grade and attendance data current  
• Director of Technology – provide system for automated attendance and grade reporting. | 2012–2015 (on-going) | • $2,000 – local funds for grade automation software.  
• $4,500 – local funds for 10% Network Analyst technical support. | Technology director will provide an annual assessment of usage and parent satisfaction to the superintendent (July). |

| 5. Provide a weekly electronic newsletter distributed via e-mail to support communication between students, parents, and teachers and staff. | • Director of Technology provides network support and electronic publishing.  
• Newsletter editor – provides data gathering and article publishing. | 2012–2015 (on-going) | • $1,500 – local funds for editor stipend for weekly e-news design and development | Annual technology report by the director of technology.  
− Administrator feedback.  
− Annual editor feedback.. |
### Goal #3.b. ~ Leadership, Administration and Support
**Objective:** Use technology effectively to promote parental involvement and increase communications with parents.
**Budget amount:**
**LRPT Category:**
**NCLB Correlates:** N09
**E-Rate Correlates:**

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<tr>
<td>6. Provide connection with parents through video broadcast • Student events such as graduation • Include student involvement in production</td>
<td>• Director of Technology provides budget and technical support. • Teacher support for activities.</td>
<td>2012–2015 (on-going)</td>
<td>• $2,000 – local funds for supplies. • $15,000 – DoDEA grant for equipment/supplies/service s.</td>
<td>• Annual assessment of productions.</td>
</tr>
</tbody>
</table>

### Goal #3.c. ~ Leadership, Administration and Support
**Objective:** Provide access to adult literacy programs delivered by the district or in collaboration with adult literacy service providers.
**Budget amount:**
**LRPT Category:**
**NCLB Correlates:** N10
**E-Rate Correlates:**
## Goal #3.c. ~ Leadership, Administration and Support

**Objective:** Provide access to adult literacy programs delivered by the district or in collaboration with adult literacy service providers.

**Budget amount:**

**LRPT Category:**

**NCLB Correlates:** N10

**E-Rate Correlates:**

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<tbody>
<tr>
<td>1. Library media services review community needs and interest for adult literacy services.</td>
<td>Librarian – Research the community needs or interest in adult literacy</td>
<td>2012–2015 (ongoing)</td>
<td>$2,961 from local funds for time and effort from Media Center librarians (3%).</td>
<td>Media Center lead librarian will provide an annual report to the District Superintendent on the community needs or interest in adult literacy services by December each year.</td>
</tr>
</tbody>
</table>

## Goal #4.a. ~ Infrastructure

**Objective:** Ensure that all students and teachers have increased access to technology.

**Budget amount:**

**LRPT Category:**

**NCLB Correlates:** N03

**E-Rate Correlates:**
**Goal #4.a. ~ Infrastructure**

**Objective:** Ensure that all students and teachers have increased access to technology.

**Budget amount:**
**LRPT Category:**
**NCLB Correlates:** N03
**E-Rate Correlates:**

<table>
<thead>
<tr>
<th>Strategy</th>
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<th>Evaluation</th>
</tr>
</thead>
</table>
| 1. Provide efficient technical support to all district technology users. | * Director of Technology – Supervise technology support technician. Provide a web-based (Help Desk) for tracking source.  
* Technician – Provide timely response to Help Desk requested technology support services. | 2012–2015 (on-going) | • $39,000 – local funds – 100% full-time computer technician.  
• $800 – local funds for software cost to be shared with physical plant maintenance function (Eduphoria Help Desk) | • Director of Technology – Track satisfaction of teachers and staff concerning timeliness of technician support on annual teacher technology report (July). |
| LRPT Correlates: | | | | |
| 2. Provide access to networked electronic resources, the Internet, and connectivity to ISP through efficient use of bandwidth and wireless connectivity for all students and staff. | * Director of Technology – apply for E-rate discount, manage installation, and coordinate with ISP to ensure efficient configuration. | 2012–2015 (on-going) | • $8,400 – local funds for 4.5MB bandwidth connectivity  
• $12,000 – local funds for Internet bandwidth.  
• $12,500 – local funds for management and technical support (10% Tech Dir and 10% Network Analyst) | • Director of Technology – assess user satisfaction and report to the superintendent (July). |
Goal #4.a. ~ Infrastructure
Objective: Ensure that all students and teachers have increased access to technology.

Budget amount:
LRPT Category:
NCLB Correlates: N03
E-Rate Correlates:

<table>
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</table>
| 3. Maintain high quality network operation through efficient backup and recovery, SPAM blocking, and virus protection. | ✓ Director of Technology – Review applications for SPAM blocking, and virus protection and data backup & recovery.  
✓ Principals – provide leadership in use of network resources | 2012–2015 (on-going) | $8,400 – local funds for backup protection, anti-virus, and SPAM blocking.  
$3,000 – local funds for network consultant support  
$2,000 – local funds for network equipment maintenance.  
$4,500 – local funds for Network Analyst support | ✓ Director of Technology – Assess the user satisfaction with filter, virus protection, and SPAM blocking and report to the superintendent (July). |
| 4. Improve access to shared network resources to improve the effectiveness of students and teachers using digital resources. | ✓ Director of Technology – Review the network configuration of shared folders to devise the most effective file sharing between teachers and students while protecting the students’ privacy as much as possible.  
✓ Director of Technology – Provide staff development on the methods available for teachers to share digital data between themselves and students | 2012–2015 (on-going) | $12,450 – local funds for time and effort from the technology department to maintain the local area network (10% Tech Dir and 10% Network Analyst). | ✓ Director of Technology – Assess the satisfaction with shared folders and report to the superintendent (July). |
# Long-Range Technology Plan

## Lackland Independent School District

### Goal #4.a. ~ Infrastructure

**Objective:** Ensure that all students and teachers have increased access to technology.

**Budget amount:**
**LRPT Category:**
**NCLB Correlates: N03**
**E-Rate Correlates:**

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<tbody>
<tr>
<td>5. Provide additional infrastructure and technology resources to support new or renovated facilities.</td>
<td>• Director of Technology – Provide design, purchase, and installation management of technology equipment.</td>
<td>2012–2015 (on-going)</td>
<td>Pending approval of Auditorium &amp; Classroom project (2014 completion).</td>
<td>• Project assessment based on facility building plan with report to Superintendent.</td>
</tr>
<tr>
<td>6. Maintain hardware (workstations, laptops, tablet PC, mobile devices, printers, servers, switches, etc.) in efficient operational configuration.</td>
<td>• Director of technology – Maintain hardware for efficient and effective operation. – budget for upgrades and maintenance.</td>
<td>2012–2015 (on-going)</td>
<td>• $75,000 – local funds for hardware support and upgrades based on annual review of the district equipment replacement or upgrade schedule. • $24,000 – local funds for administrative support – (30% Tech Dir)</td>
<td>• Director of technology – annual assessment of hardware inventory. • Technology Committee annual review.</td>
</tr>
<tr>
<td>7. Maintain software with current configuration and license.</td>
<td>• Director of technology – Monitor software for currency. – Budget for upgrades and licenses.</td>
<td>2012–2015 (on-going)</td>
<td>$7,500 – local funds for software maintenance and upgrades. $4500 – local funds for Network Analyst support (10% Analyst) $8,000 – local funds for management (10% Tech Dir)</td>
<td>• Director of technology – annual assessment of software inventory.</td>
</tr>
</tbody>
</table>
Goal #4.a. ~ Infrastructure
Objective: Ensure that all students and teachers have increased access to technology.

Budget amount:
LRPT Category:
NCLB Correlates: N03
E-Rate Correlates:

<table>
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<tr>
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</table>
| 8. Maintain video distribution to all classrooms and enhance video capture, storage, and distribution | • Director of Technology – Manage the operational status of the video distribution systems. Support efforts to broadcast data (information) within our video system.  
• $2,400 – local funds for video bridging at ESC-20 to support videoconferencing.  
• $5,000 – local funds for video support and repair (equipment & supplies).  
• $4,500 – local funds for Network Analyst (10%) | • Annual technology report to include teacher feedback on quality of service (July). |

Goal #4.b. ~ Infrastructure
Objective: Enforce a policy of Internet safety that includes measures to block or filter content for both minors and adults to certain visual depictions.

Budget amount:
LRPT Category:
NCLB Correlates: N05
E-Rate Correlates:
<table>
<thead>
<tr>
<th>Strategy</th>
<th>Responsibility</th>
<th>Timeline</th>
<th>Budget</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Maintain a written guidance concerning the appropriate uses of</td>
<td>✷ Superintendent – Approve a Internet access guidelines for teachers and staff</td>
<td>2012–2015 (on-going)</td>
<td>✷ $8,000 – local funds for time and effort to support technology operations (10% Tech Director).</td>
<td>✷ Director of technology will report (annual July) on teacher and student satisfaction.&lt;br&gt;.include other feedback from teachers and students throughout the year.&lt;br&gt;- Update guidelines as needed</td>
</tr>
<tr>
<td>• Electronic network resources</td>
<td>✷ Superintendent – Approve Internet access guidelines for students.</td>
<td></td>
<td>✷ $8,000 – local funds for time and effort to support technology operations (10% Tech Director).</td>
<td></td>
</tr>
<tr>
<td>• Wireless access</td>
<td>✷ Director of technology – Facilitate the development of Student Internet access guidelines.</td>
<td></td>
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<tr>
<td>• E-mail</td>
<td>✷ Director of Technology – facilitate development of Teacher and staff Internet access guidelines.</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>• Internet Access</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Acceptable Use Guidelines (Staff and Student)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LRPT Correlates:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>◆ Superintendent – Approve a Internet access guidelines for teachers and staff</td>
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<td></td>
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<tr>
<td>◆ Superintendent – Approve Internet access guidelines for students.</td>
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<tr>
<td>◆ Director of technology – Facilitate the development of Student Internet access guidelines.</td>
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</tr>
<tr>
<td>2. Provide Internet filtering that supports the goals of the Children’s Internet Protection Act guidelines.</td>
<td>✷ Superintendent – approve Internet safety via filtering as reasonable precaution for Internet content safety.</td>
<td>2012–2015 (on-going)</td>
<td>✷ $7,000 – local funds for Internet filtering. &lt;br&gt; $4,500 – local funds for time and effort to install, configure, and monitor Internet filtering (10% Network Analyst).</td>
<td>✷ Director of Technology – Report on user satisfaction with Internet filtering (July).&lt;br&gt; Director of Technology – Report on functional operation of the Internet filtering solution (July).</td>
</tr>
<tr>
<td>LRPT Correlates:</td>
<td>✷ Director of Technology – Select appropriate Internet filter solution and monitor for functional operation.</td>
<td></td>
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</tr>
</tbody>
</table>
Sustainability and Supporting Resources

Lackland ISD is committed to sustaining and improving the use of technology to increase the academic performance of all students. Beyond the state technology allotment, the district has contributed local funds in the past for technology enhancements and will continue to do so in the future. The technology staff is also active in working to ensure that all technology equipment functions well and to seek additional funding sources for equipment, services, software, and other electronically delivered learning materials and print resources that will ensure successful and effective uses of technology.

Lackland ISD is also committed to continuing to maintain the quantity and quality of computer devices for students and staff as part of meeting the TEA target equipment ratios. These resources will be purchased out of local and other available funds and will be purchased in quantities to obtain the best value for the district. This will help us to achieve cost savings due to volume bidding and discounts. The school district also participating in the E-rate program and has applies for an annual discounts qualified district-wide telecommunications and Internet access services. These discount funds are typically used to support local “teacher technology grants” to encourage implementation of technology within the classroom curriculum.

Analysis of network and classroom technology resources has resulted in a planned replacement program to maintain the current configuration of technology resources. Local funds and other funding sources are identified for the long-term goal of maintaining current infrastructure and technology resources. This Infrastructure and technology replacement plan is now included as appendix F.

Budget

The budget must include estimated costs with available and potential funding sources for all areas addressed in the plan.

**Budget Detail - 2012-2013 (Year 1)**

<table>
<thead>
<tr>
<th>Budget Area</th>
<th>Costs</th>
<th>Funding Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staff Development</td>
<td>234,050.00</td>
<td>Local, grants, and Texas Technology Allotment.</td>
</tr>
<tr>
<td>Telecommunications and Internet Access</td>
<td>61,300.00</td>
<td>Local</td>
</tr>
<tr>
<td>Materials and Supplies</td>
<td>162,267.00</td>
<td>Local &amp; Grants, Texas Technology Allotment</td>
</tr>
<tr>
<td>Equipment</td>
<td>220,500.00</td>
<td>Local &amp; Grants</td>
</tr>
<tr>
<td>Maintenance</td>
<td>1283,450.00</td>
<td>Local</td>
</tr>
<tr>
<td>Miscellaneous Expenses</td>
<td>23,461.00</td>
<td>Local &amp; Grants</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$825,028.00</strong></td>
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Budget Detail - 2013-2014 (Year 2 - estimated on level budgeting)

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Budget Detail - 2014-2015 (Year 3 - estimated on level budgeting)

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Evaluation –

The Lackland ISD technology programs are evaluated for effectiveness and efficiency against established goals, objective, and strategies as defined in this district technology plan. This technology plan is referenced on a recurring basis for budgeting purposes and for project goal during staff development and project implementations. The technology plan is reviewed annually by the district technology committee and with the site-based improvement decision committees to ensure the strategies of the technology plan’s objectives are focused on the educational mission. The technology strategies include criteria to help define how we will measure progress and ultimate attainment of each goal. Our evaluations are established to be on-going activities to help guide us in our quest to achieve our academic and technical technology goals. Each strategy is evaluated based on implementation target timelines and support of the educational or administrative initiative it is funded to support.

This evaluation will include:

- Monitor progress toward the specific strategy and make mid-course corrections in response to new developments and opportunities as they arise.
- Individuals are assigned responsibility for each strategy that includes assessment or evaluation.
- Expected results and success indicators for each goal has expected results as part of the strategies.
- We use both qualitative and quantitative measures; processes and procedures for ongoing evaluation of strategies.
- We use of the Campus STaR Chart for each campus in the district as one tool for measuring progress.
- Generally, our process and accountability measures that evaluate the extent to which activities in the plan are effective include to:
  - Assess our level of integrating technology into curricula and instruction, using the LoTi scale as a measuring device.
  - Enable students to reach challenging State academic standards.
  - Acquire, deploy, and maintain technologies and telecommunication services
  - Meet timelines for implementation
  - Use the evaluation from the DoDEA grant to help gauge progress

The technology plan is posted on our web site for community and staff access.

Evaluation of the Technology Plan will be a systematic on-going process. All aspects of the Plan will be evaluated formally each year.

The Director of Technology will be responsible for convening the Technology Plan Committee for the on-going evaluation of this plan. The intention of the evaluation will be to make decisions on the impact that technology has on the learning process for all students. An annual Technology Status Report will be provided by the Director of Technology to the Superintendent by the last day of July.

Lackland ISD’s STaR Chart results for each campus will be used to help Lackland ISD assess its progress toward meeting the goals of the Long Range Plan for Technology. We see additional benefit for the teachers’ participation in completing the STaR Chart individually.
Other methods used for evaluation will include:

• Integrating technology into curriculum and instruction
  1. Teacher self-assessment (SBEC Technology Applications standards – Review the results of the staff’s self-assessment as a measure of their technical expertise and use of technology in the classroom, to determine future professional development needs.
  2. Level of Technology Implementation assessment – Review the staff conducted LoTi assessment each year in regards to their implementation of technology in the classroom.

• Increasing the ability of teacher to teach:
  1. Records of staff member participation in technology training monitored by sign-in sheets and teacher professional development records.
  2. Monitoring and documentation of community access to technology resources and information on the campuses and on the web site.

• Enabling students to meet challenging state academic standards
  1. Review annual TAKS results
  2. Student's access to technology resources and implementation levels as reported by teachers
  3. Annual student measurement of the 8th grade TA TEKS via on-line tools. Report results as part of the annual STaR Chart process.

• Acquiring and deploying technology and telecommunications services
  1. Yearly inventory of technology hardware and software.
  2. Support and maintenance of technology as documented by technical support records.
  3. Annual technology survey (students and staff) to measure general trends for technology needs and progress.
  4. Applying for E-Rate discounts to help fund the local Teacher Technology Grants.

• Meeting timelines for implementation
  1. On-going progress of specific projects to allow for adjustments in method and process to ensure the strategy is on-target.
  2. Annual assess of entire technology program.

Acceptable Use Guidelines – See on-line copy at www.lacklandisd.net/technology/techplan