

Spring Branch Independent School District Technology Plan

2011 - 2014

Duncan Klussmann

Superintendent

DISTRICT PROFILE

ESC Region 4
City, State Zip Houston, TX 770242803
Phone (713) 464-1511
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County District Number 101920

Number of Campuses	46
Total Student Enrollment	32949
District Size	25,000 - 49,999
Percent Econ. Disadvantaged	57.00%

Technology Expenditures	\$41,008,952.00
Technology budgets reported in plan by category	Teaching and Learning Budget \$8,920,602.00 Educator Preparation and Development Budget \$2,250,900.00 Leadership, Administration and Support Budget \$10,970,250.00 Infrastructure for Technology Budget \$18,867,200.00 Total: \$41,008,952.00
Technology Expenditure Per Pupil	\$1,244.62
Number of Campuses with Direct Connection to Internet	46
Percentage of Campuses with Direct Connection to Internet	100.00%
Number of Classrooms with Direct Connection to Internet	2219
Percentage of Classrooms with Direct Connection to Internet	100.00%
Computer/Student Ratio	4 student(s) for every computer
Computer/Teacher Ratio	1 teacher(s) for every computer
Number of campuses that need to complete the Texas Campus STaR Chart	46
Percentage of campuses that have completed the Texas Campus STaR Chart	100.00 %

Plan Introduction

Plan Last Edited 03/18/2011

Plan status:	approved
Years Included in the Plan:	2011 - 2014
Number of years covered by the plan:	3
Years Approved for the Plan:	2011 - 2014
Number of approved years:	3

Does the district file E-Rate? yes

The district had a "written" plan before E-Rate Form 470 was filed on 10/01,2010/2010.

Technology Planning Committee

Board Liaison Mary Grace Landrum
 Associate Superintendent for Curriculum and Instruction Dr. Jennifer Blaine
 Chief Information Officer Venu Rao
 Director of Educational Technology Sheri Alford
 Director, Social Studies (or representative) Amy Thibaut
 Director, Science (or representative) Joyce Olson
 Director, Math (or representative) Ann Worley
 Director, ELA (or representative) Diane Fanning
 Director, Special Education (or representative) Deborah Darmer
 Director, Advanced Studies (or representative) Dr. Lynette Breedlove
 Director, Bilingual/ESL (or representative) Vivian Pratts
 Director, Performing Arts (or representative) Rusty Hess
 Executive Director of Research & Accountability Keith Haffey
 Executive Director of Elementary Teaching and Learning (or representative) Cathie Robinson
 Executive Director of Secondary Teaching and Learning (or representative) Pam Butler
 Director of External Funding and Compliance Eloise Hambright-Brown
 Director of Guthrie Center Joe Kolenda
 Director of Applications Mark Maxwell
 Coordinator of Educational Technology Karen Justl
 Coordinator of Educational Technology Angela McNeil
 Customer Service Manager Ed Wilson
 Elementary Teacher Allison Birney
 Secondary Administrator Denis Blais
 Secondary Administrator Carol Bucek
 Elementary Teacher Linsey Chaffin
 Early Childhood Teacher Susan Coscio
 Elementary Teacher Sharon Crump
 High School Teacher Janice Cummins
 Elementary Teacher Alfredo Delgado
 Elementary Teacher Jill Fairchild
 Secondary Administrator Horacio Fernandez
 Elementary Teacher Maria Garcia
 Elementary Teacher Hector Garza
 Secondary Teacher Doris Gates
 Secondary Administrator Kathy Green
 Elementary Teacher April Guykens
 Elementary Librarian Karen Harrell
 Secondary Teacher Lee Haynes
 Elementary Teacher Ronald Hill
 Parent Julie Jaehne
 District Project Leader Stephen Johnston
 Elementary Teacher Carol Karna
 Elementary Teacher Beverly Keck
 Parent Diane Kendall
 Secondary Teacher Kristine Kenny
 Elementary Administrator Frederick Larry

Secondary Librarian Cheryl Laucher
Elementary Librarian Becky Lee
Elementary Teacher Noemi Lopez
Elementary Administrator Kathy Lee
District Technology Support Ben Liles
Elementary Teacher Noemi Lopez
Elementary Teacher Amy Markham
Elementary Teacher Walberto Martinez
Secondary Teacher Jim McNiel
Elementary Teacher Jenny Meyer
Elementary Librarian Mary Miner
Elementary Teacher Debbie Morgan
Elementary Librarian Molly Murphy
Secondary Teacher Margaret Painchaud
District Librarian Liz Philippi
Secondary Teacher Michael Radler
Elementary Teacher Enrique Ramon-Rivera
Elementary Librarian Arlene Reynolds
Elementary Teacher Andre Salas
Secondary Teacher Laura Smith
Secondary Administrator Cendie Stanford
Secondary Librarian Jessica Stockel
Elementary Librarian Deborah Stutsman
Parent Diane Swan
Secondary Teacher Rudolfo Torres
Elementary Teacher Hector Tovar
Early Childhood Teacher Francisco Villarreal
Secondary Teacher Michelle Wagner
Secondary Administrator Lisa Weir
Secondary Teacher Elizabeth Wilkes
Elementary Administrator La Verie Wise

Executive Summary

Technology is an important part of the educational experience of our students in Spring Branch ISD. The Spring Branch community passed a Bond in the fall of 2007 providing funds for several projects including \$39 million additional dollars for purchasing and maintaining technology over a 10 year period. Many of the Bond Projects outlined in our previous Technology Plan and are being or have been implemented. The 2011-2014 Technology Plan addresses future projects to be completed and plans for improving/maintaining currently implemented projects. However, one of the major components of the Spring Branch Technology plan is to continue to educate or staff on how to best use technology for planning and the enhancement of our student's educational experience.

Spring Branch is committed to providing a quality education for all students, which includes the use of advanced technology to improve the student academic achievement, technology literacy, critical thinking, and communication skills. Teachers and administrators will learn technology skills and applications to successfully integrate technology into the curriculum, to communicate, and to make data driven decisions.

The Spring Branch Independent School District Technology Plan supports the district vision for a learning environment that uses technology seamlessly with instruction. A "Portrait" of standards has been developed for both students and teachers. The Portrait of a Graduate presents a set of high expectations that reflects Spring Branch Independent School District's commitment to excellence, pre-kindergarten through graduation. It serves as a guide for creating a set of competencies in each curricular area and maintaining a coherent and dynamic curriculum.

In the area of technology, the Spring Branch graduates will:

- Use technology in a knowledgeable and ethical manner
- Utilize information systems in personal, scholastic, vocational, and professional contexts
- Adapt to the evolution of software and hardware
- Select appropriate tools and procedures to accomplish tasks
- Integrate technology in order to acquire 21 century skills, knowledge and advance learning

The Spring Branch teacher will

- Guide students to construct knowledge through experiences, discussions, and technology
- Use a variety of instructional strategies to make learning accessible to all students
- Emphasize real-world applications in their instructional practice
- Participate in professional development to refine instructional practices

Needs Assessment

Assessment Process:

During the 2005-2006 school year, Spring Branch Independent School District embarked on a strategic planning initiative to develop a District Five Year Educational Plan and a Long Range Facilities Plan to chart the future of SBISD. The last year of the plan is for the 2011 school year. Based on the information gathered from several committees and surveys, in March, 2006, the SBISD Board of Trustees approved eight goals that were used to guide the development of the Five Year Educational Plan. The District Technology Committee wrote this year's plan using the same eight goals as a guideline for technology initiatives. The eight goal statements of the

Five Year Educational Plan are listed below:

1. Student Performance - SBISD will be an exemplary school district with an enriched and relevant PK-12 curriculum that promotes creativity, critical thinking and achievement.
2. Student Performance – SBISD will be the premier college-focused district in the State of Texas and will prepare all students for success after high school graduation.
3. Student Performance - SBISD will ensure that all students have a strong foundation in ethics and character development.
4. Student Performance - SBISD will offer all students a wide range of school sponsored activities outside the classroom.
5. Safety - SBISD will have a pervasive culture of safety and respect.
6. People - SBISD, as the employer of choice, will recruit and retain the best people by rewarding excellence and providing opportunities for continual growth.
7. Community - Students, parents, and community will be active partners in students' education.
8. Operations - SBISD will use strategic plans to be fiscally responsible and efficiently use all resources – human, time and monetary – to support student achievement.

District Technology Committee:

A District Technology Committee meets three times a year to provide feedback on the district's technology programs. This committee also provides input for technology planning including this submitted technology plan. The committee consists of campus staff, district staff and parents.

Surveys:

Surveys are conducted each spring by the district to identify successes and needs in technology. Survey information from the years of 2009 and 2010 provided information on technology use from teachers, students, staff and parents. The student technology surveys focused on technology for instruction, completion of assignments, and presentations. Survey results for students, teachers and parents can be found in Attachment A.

In addition each year teachers complete the Teacher STaR chart. The STaR Chart is a self-assessment for the use of technology in four areas: technology integration (Teaching & Learning), professional development and preparation (Educator Preparation & Development), teacher perception of the district's technology leadership, vision, planning, support, and communication (Leadership, Administration, & Instructional Support), and teacher perception for classroom computers, Internet access, classroom technology, technical support, LAN and WAN (Infrastructure for Technology). The teacher average across the district for all four domains for 2009-10 is Developing Tech.

The 21st Century Learning Environment

The SBISD Department of Curriculum and Instruction envisions educational practices transformed by technology that accelerates, differentiates, deepens, and, most importantly, maximizes the learning experience of all students. We believe:

1. Core content drives the student use of technology in the classroom.
2. The technology device is a tool to support the learner as he/she makes sense of the curriculum and constructs his/her own learning.
3. Innovative teaching, including individualized and project/problem-based instruction, is more likely to achieve sustainable and scalable achievement gains.

Professional Development Plan

Curriculum and Instruction will transform current instructional practices to include 21st century pedagogy. The plan will scaffold and systemically embed professional development to provide ongoing support for teachers. We will:

- Create model classrooms where teachers can observe the instructional strategies in practice.
- Implement content professional development that promotes 21st Century literacy: critical thinking, communication and collaboration, information literacy, digital citizenship and innovation.
- Provide campus based pedagogical support through the SIS and campus based skill support through the librarian and student techs.
- Scaffold on-going 21st Century Literacy professional development and training through a variety of opportunities to meet the needs of all learners.

Existing funds allocated for professional development:

- \$7,720,000 8 year cost 2010-2018

ACTIVclassrooms:

Spring Branch ISD has created ACTIVclassrooms for classroom teacher in grades 1- 5 and in the core subject areas (Math, Language Arts, Social Studies, and Science) for secondary schools. The ACTIVclassroom includes an electronic white board, digital projector, set of activotes, multimedia carts, and a teacher laptop. The implementation is complete with over 1200 classrooms set up in year 2009. Teachers receiving ACTIVclassrooms are also required to attend training on the use of the ACTIVclassrooms. A flipchart repository has been established to provide teachers flipchart curriculum. Consequently, there is now approximately 800 flipcharts that have been uploaded to the repository that cover every core subject area and grade level.

There is a need to continually train teachers on how to use the ACTIVclassrooms to better utilize the technology available to them. In addition resources are updated including a repository for flipcharts.

Future goals for the repository:

- Organize all flipcharts by TEKS
- Have multiple flipcharts for every core subject area TEK
- Continue to use the repository has a “hub” of information for all ACTIVclassroom teachers in the district by adding to the tutorials and resource sections that are already there, and promoting the use of the repository’s forum to support teacher communication. Eventually all flipcharts will reside in the curriculum management system.

As a result of teacher feedback, Ed Tech trainers met and revised the content of the introductory training and completely restructured the advanced training. Introductory training will continue to be a six hour class; however, the advanced training will actually be called supplemental training with a variety of topics being covered in two-hour sessions. Teachers will be required to take three sessions equaling six hours of supplemental training.

Supplemental courses include the following topics targeting elementary and secondary audiences:

- Converting PowerPoints into Interactive Flipchart Lessons
- Teaching an Interactive Lesson without a Pre-Made Flipchart
- Using Interactive Websites with the ACTIVboard
- How to Create a More Interactive Flipchart
- Creating and Working with Containers in ACTIVstudio
- Inserting and Embedding Files and Links
- Layers, Stacking and Other Advanced Techniques in ACTIVstudio
- Using the Power Tools for Engaging and Interactive Lessons
- Converting Worksheets into More Interactive Flipchart Lessons
- Basic and Creative Uses of the ACTIVotes
- Using What You’ve Already Got to Create Interactive Flipchart Lessons
- Integrating Media Resources into Flipchart Curriculum
- Using District Adopted Resources in Flipchart Curriculum
- Student Assessment using ACTIVotes

Technology Pilots

Several pilots have been conducted within the last year to determine what technology should be purchased district wide for libraries and classrooms and also to gather best practices in using the technology. Library and classroom purchases will have begun in the spring of 2011 and completed by the spring of 2012.

Teacher Laptop Project:

In the spring of 2008 all teacher and campus administrator computers were replaced with new laptop stations. This project standardized teacher workstations district-wide and as a result lowered the number of service tickets entered for repair work. Teacher feedback on the project was very positive and plans to replace the laptops will need to be developed during the last year of this plan.

Wireless Network

Bond money provided funds for a comprehensive standardized wireless district wide network. This system allows the district to more efficiently control the usage of the wireless system providing a more secure network. Updates and monitoring of the system continues to insure the wireless network is continues to meet the demands of the district.

Existing Conditions:

District Technology:

- Data Center is housed in an off-site hardened data center
- Virtualized server environment
- WAN provides a 1 Gig connection
- District currently subscribes to a 200MB bandwidth Internet service. Bandwidth will be evaluated yearly to determine the need for increases in bandwidth
- District wide wireless system
- Supporting both PC and MAC environment (approximately 14,000 computers)
- VOIP phone system
- Written policies are in place on acceptable use of the Internet, World Wide Web content, and network management
- Multiple Administrative software systems
- District level access to Instructional applications and Atomic Learning for students, teachers, and parents
- File storage space is provided for Student folders
- District level curriculum management web site and professional development software
- District level Internet filtering system
- Event notification system for campus and emergency call outs to parents.
- Family Access is available for Parents and students to view their grades, schedules and other demographic information.

SBISD Schools:

- 1000 MB fiber backbone, Ethernet to the desktop
- Teacher computers connected to a minimum of a 10MB switch port
- All classrooms have a minimum of 2 data drops
- ACTIVboards located in all of the 4 core area classrooms
- All teachers have laptops and docking stations
- Standards for technology have been developed and implemented in the libraries
- Classroom Standards for technology are being finalized in (spring of 2011) implementation will be over the next year- 2011-12

Educational Technology Staffing: 3**Technology Services Staffing (64)**

Applications: 15

Systems: 16

Customer Service: 30

Bond Projects/Other: 3

Staff Development

Educational Technology provides training and staff development to support the district's educational plan and the long range plan for technology. Staff development focuses on the integration of technology throughout the curriculum, instruction, and assessment. All training and staff development supports the appropriate use of technology to enhance curriculum, teach 21st learning skills, problem and project-based learning, and the design and delivery of instruction.

Staff development is delivered in a variety of formats- online, blended, and face-to-face. Most staff development is delivered by district trainers but there are occasions when classroom teachers are recruited. Class size ranges from 12-20 participants. Staff development is offered on Saturdays (3-6 hours) and after school (2.5 - 3 hours). All sessions are evaluated by the participants. Evaluations are kept on file along with the sign-in sheets.

Skills' training is provided using web based support and training software. Training on new and emerging technologies is provided either through online tutorials, face to face, or a blend of both. Staff development on new technology initiatives in the district is offered year round at the training center and on campuses.

The department collaborates with the curriculum directors to integrate keyboarding into third grade curriculum, to sustain keyboarding skills in fourth and fifth grades curriculum, and to integrate technology application TEKS into grades PreK-8 curriculum.

Technology Needs:**Teaching and Learning**

- Provide a 21st century approach to teaching utilizing technology as a tool for learning
- Implement and maintain classroom and library technologies based on approved district standards
- Provide more online opportunities for student learning (Spring Branch Virtual School- blended and online courses)
- Utilize technology to build a collaborative learning community
- Integrate the use of other technologies for student learning
- Develop a method for evaluating student proficiencies

- Maintain ACTIVclassrooms- Provide a technology appropriate classroom for teaching and learning (interactive white boards, projectors, student response systems, computing devices)
- Increase the number of Resources available for ACTIVclassrooms (Flipcharts)
- Maintain a list of approved instructional software

Educator Preparation and Development

- Develop teacher professional competencies aligned to State Board for Educator Certification (SBEC) standards
- Develop a professional development program to embed technology into core curriculum areas
- Develop technology integration training for administrators
- Provide more online opportunities for staff learning
- Develop Web 2.0 staff development
- Continue to offer ACTIVclassroom training
- Develop ACTIVclassroom training for administrators

Leadership, Administration and Support Services

- Implement the use of an online curriculum management system
- Continue to evaluate and modify services to improve methods for technical support
- Perform an ongoing review of technology programs and systems
- Support and work with Administrators on how to support and evaluate technology for instruction
- Support the use of student and administrative software systems to increase learning in classrooms and efficiency with administrative functions

Infrastructure for Technology

- Provide quality technical support
- Optimize network organization to improve capabilities and efficiencies
- Improve support models for multiple technology platforms
- Maintain district wireless network
- Maintain firewall and filtering services to secure network and meet Federal requirements
- Maintain/Upgrade campus hardware- PA systems, Audio Systems, VOIP, etc.
- Increase bandwidth based on district needs
- Maintain a storage system to meet the district needs.
- Evaluate and Implement processes to better integrate administrative systems to increase functionality.
- Develop a district dashboard
- Continue to provide accessibility to students and staff to their online folders/files beyond the normal school day hours

Goals, Objectives, and Strategies

GOAL 1: Through an enriched and relevant curriculum provide opportunities for students to engage in learning that promotes the development of 21st century literacy skills such as critical thinking, creativity and collaboration leading to post secondary success.					
OBJECTIVE 1.1:					
Leverage the power of technology to provide personalized learning experiences that prepare students to be creative, innovative, active, and ethical participants in a globally networked society.					
<i>Budget Amount \$8,682,602.00</i>					
<i>LRPT category: Teaching and Learning</i>					
E-Rate Correlates: ER01, ER02					
NCLB Correlates: 01, 02, 03, 04a, 04b, 06, 07, 11, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.1.1:	Revise and create standards and learning objectives for all content areas that reflect 21st Century skills and the appropriate use of technology to improve learning. LEA LRPT Correlates: TL01, TL03, TL05, TL06, TL12	State: Original Status: In Progress	July 2011- June 2014	Director Educational Technology Curriculum Directors Teacher Leaders	Written Curriculum Curriculum flip-charts
1.1.2:	Design and deliver curriculum that engages students and promotes 21st century literacy so students gain the skills of a "prosumer" (producer/consumer) as illustrated through student products. Redesign curriculum to include the new technology applications TEKS. LEA LRPT Correlates: TL01, TL02, TL03, TL06, TL08	State: Original Status: Planned	July 2011 - June 2014	Director of Educational Technology Curriculum Directors	Written Curriculum
1.1.3:	Provide access to classroom-based devices so that students can access information on-demand and work collaboratively with peers, teachers, or experts. LEA LRPT Correlates: I04, TL08, TL09, TL10, TL12	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology	Record of training dates offered Sign-in sheets
1.1.4:	Maintain the ActivEducator model on each campus to support the design and delivery of effective flip-chart curriculum on a daily basis. Evaluate the need to expand the Activclassroom to other grade levels and curricular areas. LEA LRPT Correlates: EP08, EP09	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology	Approved budget Outside sources of funding
1.1.5:	Explore hardware and software emerging technologies for teaching and learning that engage and empower SBISD students in self-directed learning so they gain skills necessary to compete in a global networked society. LEA LRPT Correlates: I09, TL08, TL12, TL13	State: Original Status: In Progress	July 2011- June 2014	Director Educational Technology Content Directors	Training records Lesson plans User groups sign-in sheets
1.1.6:	Sustain the teacher laptop project: providing all teachers with a notebook and docking station.	State: Original	July 2011- June	Content Directors	District Curriculum Forum

	(Implemented spring of 2008) LEA LRPT Correlates: EP06, EP07, EP08, I04, I07, I09, TL13	Status: In Progress	2014	SIS Classroom Teachers	
1.1.7:	Software- Purchase new and needed upgrades for educational software supported by the district that promotes personalized learning experiences to improve learning. LEA LRPT Correlates: EP03, I07, I09, LAS15, TL05, TL07, TL13, TL14	State: Original Status: In Progress	July 2011- June 2014	Director of Special Education	Approved Software List Licensing
1.1.8:	Provide teachers and students access to state developed content management system that supports blended learning in all curricular areas and provides access to curriculum and course documents 24/7. Comments: Project implemented spring 2008-need to maintain LEA LRPT Correlates: EP08, TL04, TL13, TL16	State: Original Status: In Progress	July 2011- June 2014	Director Educational Technology Campus Principal	Teacher and student log in information
1.1.9:	Provide supplies and materials for Special Education Students to utilize technology for learning: communication devices, special keyboards, mouse extenders, switches etc. LEA LRPT Correlates: I04, I05, TL05, TL06, TL09	State: Original Status: In Progress	July 2011- June 2014	Director of Special Education	Purchased materials
OBJECTIVE 1.2:					
Use information and communication technologies to collaborate, construct knowledge and provide solutions to real-world problems. <i>Budget Amount \$0.00</i> <i>LRPT category: Teaching and Learning</i> E-Rate Correlates: ER01, ER02 NCLB Correlates: 01, 02, 03, 04a, 04b, 06, 07, 08					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.2.1:	Develop and implement a curriculum that increases active student participation and higher-level thinking through the use of technology tools and results in student projects. LEA LRPT Correlates: EP01, EP02, EP04, TL01, TL02	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology Curriculum Directors	Lesson Plans Curriculum utilizing technology
1.2.2:	Provide 21st century skills instruction and access to 21st century resources to all learners to work collaboratively with diverse communities across geographic and time zone boundaries to create global citizens. LEA LRPT Correlates: EP08, TL12, TL13	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology Curriculum Directors	Lesson Plans
1.2.3:	Use available integrated learning systems (ILS) and computer assisted instruction (CAI) in small groups to facilitate differentiated instruction.	State: Original Status: In	July 2011- June 2014	Director of Education Technology Curriculum Directors	Lesson plans Available systems/resources

	LEA LRPT Correlates: LAS15, TL03, TL04, TL07, TL09, TL13	Progress			
1.2.4:	Encourage the use of problem-project based learning providing students with 21 century tools and resources for solving real world problems. LEA LRPT Correlates: EP09, TL08, TL10	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology Curriculum Directors	Lesson plans Completed student projects
1.2.5:	Create learning objectives that provide opportunities for students to communicate effectively in a variety of formats for diverse audiences in all content areas. LEA LRPT Correlates: TL01, TL08, TL09, TL12	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology Curriculum Directors	Lesson plans Student products
1.2.6:	Develop a model that creates a system of campus based technology skill support (hardware and software) for students through the school library. LEA LRPT Correlates: EP01, EP02, EP05, LAS01, LAS03, TL08, TL11	State: Original Status: Planned	July 2011- June 2014	Director of Innovative Media and Resource Systems Director of Educational Technology Curriculum Directors	Model developed
OBJECTIVE 1.3:					
Leverage the power of technology in all academic areas to assess and modify instruction for the improvement of academic achievement.					
<i>Budget Amount \$0.00</i>					
<i>LRPT category: Teaching and Learning</i>					
E-Rate Correlates: ER01, ER02					
NCLB Correlates: 01, 02, 04a, 07, 08, 11, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.3.1:	Design, develop, and adopt assessments that give students, educators, and other stakeholders timely and actionable feedback about student learning to improve achievement and instructional practices. LEA LRPT Correlates: EP06, LAS08, TL04, TL07	State: Original Status: In Progress	July 2011- June 2014	Director Of Educational Technology Principals	Developed assessments
1.3.2:	Explore and pilot how gaming technology, simulations, collaboration environments, and virtual worlds can be used in assessments to engage and motivate learners and to assess complex skills and performances embedded in standards. LEA LRPT Correlates: TL05, TL10, TL12, TL13	State: Original Status: Planned	July 2011- June 2014	Director of Educational Technology Curriculum Directors	Pilot results
1.3.3:	Provide teachers and students access to state developed content management system that supports student electronic portfolios as an alternative method of assessment. LEA LRPT Correlates: EP08, TL04	State: Original Status: Planned	July 2011- June 2014	Director of Educational Technology	Student and teacher access to the content management system Assessment results
OBJECTIVE 1.4:					

Provide all learners with the opportunity to access curriculum and content in a blended and/or online learning environment.

Budget Amount \$238,000.00

LRPT category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 03, 04a, 05, 07, 08, 10, 12

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.4.1:	Offer expanded curricular and instructional opportunities to students via online and a variety of distance learning technologies. LEA LRPT Correlates: TL08, TL09, TL13	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology Curriculum Directors	Online courses available for students Student enrollment Course completion information
1.4.2:	Increase student and parent awareness of the Spring Branch Virtual High School and opportunities for receiving original and recovery credit online. LEA LRPT Correlates: LAS15, TL15	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology Curriculum Directors	Increased enrollment of students in online courses
1.4.3:	Through the use of district resources and in collaboration with Harris County Schools and Literacy Advance of Houston, continue to provide classes for parents and community members using online resources. LEA LRPT Correlates: TL15	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology	Enrollment numbers
1.4.4:	Implement a plan for before and after-hour access to school libraries to support access to online curriculum where access would otherwise be denied. LEA LRPT Correlates: TL11	State: Original Status: Planned	July 2011- June 2014	Director of Educational Technology Director of Media Services	After hours sign-in forms
1.4.5:	Support the virtual student by providing communication devices where access to a device is unavailable. LEA LRPT Correlates: I01, I03, I04, I05	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology	Student equipment check out records
1.4.6:	Increase the use of student and teacher blogs, wikis, and social networks in a safe environment. LEA LRPT Correlates: TL14, TL16	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology	records of student participation
1.4.7:	Maintain a secure student email/messaging system and file storage using Google Apps Education Edition for online access and virtual learning. LEA LRPT Correlates: I06, I09, LAS15, TL08, TL09	State: Original Status: In Progress	July 2011- June 2014	Manager of Systems Director of Educational Technology	Number of student email accounts being used

GOAL 2: Provide professional development to improve the quality of instruction and the design of curriculum that engages students and promotes 21st century literacy skills such as critical thinking, creativity and collaboration.

OBJECTIVE 2.1:

Support teams and individuals by connecting them to data, content, resource documents, and expertise to inspire more effective teaching for all learners.

Budget Amount \$1,389,300.00

LRPT category: Educator Preparation and Development

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 03, 04a, 04b, 06, 07, 11, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.1.1:	Plan opportunities for relevant and timely staff development in a variety of formats using campus, district and field experts. LEA LRPT Correlates: EP02, EP03, EP04, EP06, EP07, EP08, LAS03, LAS10	State: Original Status: In Progress	July 2011- June 2014	Content Directors Director Educational Technology	Developed professional development modules
2.1.2:	Develop and implement 21st century literacy skills trainings in a variety of formats to advance teacher skills. LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP09, LAS10	State: Original Status: In Progress	July 2011- June 2014	Director Educational Technology	Training sign in sheets Training Modules Lesson Plans
2.1.3:	Develop and implement model classrooms on each campus to provide models of 21st century teaching and learning. LEA LRPT Correlates: EP01, EP09, LAS10	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology Principals	Model classrooms established and used for demonstrations/teacher training
2.1.4:	Support content directors and library media services with the development of School Improvement Specialists and Librarians as campus liaisons for pedagogy and technology skill support. LEA LRPT Correlates: EP09, LAS05, LAS10	State: Original Status: In Progress	July 2011- June 2014	Director of Innovative Media and Resource Systems Director of Educational Technology Curriculum Directors	Training modules Sign in sheets
2.1.5:	Assist content directors with the redesign of curriculum to include 21st century literacy skills.(Including screen reading) LEA LRPT Correlates: LAS10, TL01, TL02, TL08	State: Original Status: In Progress	July 2011- June 2014	Director Educational Technology	Revised curriculum with technology included in activities
2.1.6:	Assist content directors with the implementation of small group instruction in classrooms to promote differentiation.	State: Original Status: In Progress	July 2011- June 2014	Director Educational Technology	Lesson plans Administrative Observations

	LEA LRPT Correlates: EP09, TL12, TL13				
2.1.7:	Assist content directors with the implementation of writing across the curriculum to increase student writing proficiencies as measured by TAKS, TELPAS, and writing portfolios LEA LRPT Correlates: EP09, TL07, TL12, TL13	State: Original Status: In Progress	July 2011-June 2014	Director of Educational Technology Curriculum Directors	Lesson Plans Student Portfolios with writing samples
2.1.8:	Support and train CTE and Technology Applications teachers using group, one-on-one, and online training resources. LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP06, EP07, EP08, EP09	State: Original Status: In Progress	July 2011-June 2014	Director of Educational Technology Curriculum Directors	Training resources Training sign-in sheets
2.1.9:	Develop and incorporate district expectations and standards for the 21st Century Teacher in the PDAS evaluation process. LEA LRPT Correlates: LAS12	State: Original Status: Planned	July 2011-June 2012	Executive Director of Human Resources Director of Educational Technology Curriculum Directors	PDAS Evaluation instrument in place.
OBJECTIVE 2.2:					
Develop new learning environments that use technology as a flexible tool where learning and assessment is collaborative, interactive and customized.					
<i>Budget Amount \$816,600.00</i>					
<i>LRPT category: Educator Preparation and Development</i>					
E-Rate Correlates: ER01, ER02					
NCLB Correlates: 01, 02, 04a, 04b, 07, 08, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.2.1:	Provide educators and administrators with preparation and professional learning experiences powered by technology that close the gap between students' and educators' fluencies with technology and promote and enable technology use in ways that improve learning, assessment, and instructional practices. LEA LRPT Correlates: EP05, EP08, I05	State: Original Status: In Progress	July 2011-June 2014	Director of Educational Technology	Training Sign in forms Student Scores
2.2.2:	Transform the preparation and professional learning of educators and education leaders by leveraging technology to create career-long personal learning networks within and across schools, pre-service preparation and in-service educational institutions, and professional organizations. LEA LRPT Correlates: EP05, EP06, EP08, I05, I06, LAS13	State: Original Status: Planned	July 2011-June 2014	Director of Educational Technology	Established learning networks

2.2.3:	Design, develop, and adopt technology-based content, resources, and online learning communities that create opportunities for educators to collaborate for more effective teaching, inspire and attract new people into the profession, and encourage our best educators to continue teaching. LEA LRPT Correlates: EP05, EP06, EP08, I05, LAS03, LAS13	State: Original Status: Planned	July 2011- June 2014	Director of Educational Technology	Teaching resources Teacher Surveys
2.2.4:	Campuses will designate one staff member to serve on the District Technology Committee. To build system capacity, this person is responsible for reporting back to the Campus Improvement Team. LEA LRPT Correlates: LAS01, LAS02	State: Original Status: Planned	July 2011- June 2014	Director of Educational Technology	Meeting agenda/notes Sign in forms
2.2.5:	Build the capacity of educators to use technology to improve assessment materials and processes for both formative and summative uses. LEA LRPT Correlates: LAS08, TL04, TL07	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology	Formative and summative assessment instruments
2.2.6:	Continue to develop a teaching force skilled in online instruction. LEA LRPT Correlates: EP06, EP08, LAS15, TL13	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology Curriculum Directors	Trained online teaching staff
2.2.7:	Continue to provide staff develop training for teachers to create online courses to be offered through TxVSN. LEA LRPT Correlates: EP06, EP08, LAS15, TL13	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology Curriculum Directors	Training sign-in sheets
OBJECTIVE 2.3:					
Ensure integration of appropriate technology throughout curriculum and instruction.					
<i>Budget Amount \$45,000.00</i>					
<i>LRPT category: Educator Preparation and Development</i>					
E-Rate Correlates: ER02					
NCLB Correlates: 01, 02, 03, 04a, 04b, 07, 08					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.3.1:	Model current technology in instructional and administrative practices PreK-12 LEA LRPT Correlates: EP09, LAS03, TL01, TL05, TL08, TL10, TL12	State: Original Status: Planned	July 2011- June 2014	Director of Educational Technology Curriculum Directors	Training sign-in forms Training modules
2.3.2:	Provide opportunities for teaching staff and campus and district level administrators to attend conferences focusing on 21st century literacy skills. LEA LRPT Correlates: LAS06	State: Original Status: Planned	July 2011- June 2014	Director of Educational Technology Curriculum Directors	Conference attendance

2.3.3:	Facilitate librarians to create learning opportunities for students and teachers to utilize digital resources in a 24/7 environment. LEA LRPT Correlates: EP04, EP09, LAS15, TL10, TL11, TL13	State: Original Status: In Progress	July 2011- June 2014	Director of Educational Technology Chief Information Officer	Records of technology being used outside of the normal school day Available resources
2.3.4:	Develop exemplary uses of current and future technologies in libraries. LEA LRPT Correlates: EP04, EP09, TL10	State: Original Status: Planned	July 2011- June 2014	Director of Educational Technology Director of Innovative Media and Resource Systems	Example of technology being used in the library

GOAL 3: Based upon analysis of data, develop a structured plan for the effective use of technology across the system.					
OBJECTIVE 3.1:					
Implement, budget for, and monitor the District Technology Plan for the use of technology to meet the needs of a changing workforce and economy.					
<i>Budget Amount \$0.00</i>					
<i>LRPT category: Leadership, Administration and Support</i>					
E-Rate Correlates: ER01, ER02					
NCLB Correlates: 01, 02, 04a, 04b, 06, 07, 08, 11, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.1.1:	Conduct an annual review of the district technology plan. LEA LRPT Correlates: LAS02, LAS04, LAS07	State: Original Status: In Progress	January 2011 and annually thereafter	Director Educational Technology Chief Information Officer	Meeting Agenda/Notes Updated Technology Plan
3.1.2:	Obtain approval of annual plan by the Superintendent and the Board of Trustees. LEA LRPT Correlates: LAS01, LAS02, LAS04	State: Original Status: Planned	March 2012 and annually thereafter	Chief Information Officer Director Educational Technology	Approved plan in the board minutes
3.1.3:	Administer a needs assessment survey and use assessment results to determine training and hardware/software performance so that teaching and learning can occur at each campus. LEA LRPT Correlates: LAS02	State: Original Status: Planned	July 2011- June 2014	Director Educational Technology	STaR Chart Completion District Survey Information
3.1.4:	Administer a needs assessment survey and use assessment results to determine training and hardware/software performance at the campus level so that staff can use technology to perform administrative duties. LEA LRPT Correlates: EP09, LAS02	State: Original Status: Planned	April 2012 and annually thereafter	Director of Educational Technology Principal	Campus budgets Minutes of campus technology committee meetings Membership and minutes of CIT, CIP
3.1.5:	Use data in decision making to develop strategic annual acquisition plans for new/replacement hardware/software and services (instructional and administrative). LEA LRPT Correlates: EP09, LAS02, LAS08	State: Original Status: In Progress	July 2011- June 2014	Chief Information Officer Director of Educational Technology	Teacher surveys
3.1.6:	Campus instructional leadership will use the data effectively and appropriately in decision making to include campus technology needs in their Campus Improvement Plan and to provide opportunities for relevant and timely staff development in a variety of formats. LEA LRPT Correlates: EP09, LAS01, LAS02, LAS08, LAS10	State: Original Status: In Progress	July 2011- June 2014	Director Educational Technology Chief Information Officer	Best practices lessons and videos documented in content management system

3.1.7:	Maintain a collaborative program with the Grant Management Office to publicize and support the preparation of grant proposals that target the effective use or integration of technology. LEA LRPT Correlates: I02, LAS02, LAS03, LAS08	State: Original Status: In Progress	July 2011– June 2014	Chief Information Officer Director of Educational Technology	Grant applications and awarded grants for funding technology projects
3.1.8:	Plan and develop effective alternative funding programs to support the purchase of technology. LEA LRPT Correlates: EP03, I02, LAS02	State: Original Status: In Progress	July 2011– June 2014	Chief Information Officer Director of Educational Technology	Systems in place and being used by campus staff for planning
3.1.9:	Continue to apply for appropriate E-Rate funding. LEA LRPT Correlates: I02, LAS04	State: Original Status: In Progress	July 2011– June 2014	Chief Information Officer Director of Applications	E-Rate records and reimbursement dollars
3.1.10:	Using Title funds, purchase additional technology in accordance with Federal rules. LEA LRPT Correlates: I02, I05, LAS02, LAS05	State: Original Status: Planned	July 2011– June 2014	Director of Federal Funding Chief Information Officer Director of Educational Technology	Records of Title Funding expenditures for technology
3.1.11:	Meet with other districts annually to gain information regarding best practices and lessons learned on the acquisition of technology. LEA LRPT Correlates: I02, LAS13	State: Original Status: Planned	July 2011– June 2014	Chief Information Officer Director of Educational Technology	Records of meetings
OBJECTIVE 3.2:					
Expect appropriate technology use throughout the teaching and learning process. (The district will provide measures for the safe and ethical use of technology for both students and adults.)					
<i>Budget Amount \$0.00</i>					
<i>LRPT category: Leadership, Administration and Support</i>					
E-Rate Correlates: ER02					
NCLB Correlates: 04b, 08, 11					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.2.1:	Develop an addendum to PDAS to serve as the instrument for evaluating the effective use of technology by administrators, teachers, school improvement specialists, and librarians. LEA LRPT Correlates: EP01, EP04, LAS12	State: Original Status: Planned	July 2011– June 2014	Director of Educational Technology	Domain 10 added to the evaluation process Teachers being evaluated on Domain 10
3.2.2:	Provide staff development over the PDAS addendum to leadership so that they know and understand how to lead their campus in the appropriate use of technology for teaching and learning.	State: Original Status: Planned	July 2011– June 2014	Director of Educational Technology	Training Module Training sign-in forms

	LEA LRPT Correlates: EP02, EP04, EP05, EP06, EP09, LAS03				
3.2.3:	Provide staff development over PDAS addendum to teachers so that they know and understand the District expectations for the use of technology in teaching and learning. LEA LRPT Correlates: EP01, EP02, EP04, EP05, EP06	State: Original Status: Planned	July 2011– June 2014	Director of Educational Technology	Training Modules Training sign-in forms
3.2.4:	Develop appropriate training for teachers and students regarding the student and employee Acceptable Use Policy and the student email Acceptable Use Policy. Communicate terms of the Student Acceptable Use Policy to parents. LEA LRPT Correlates: EP09, LAS03, LAS09, TL14	State: Original Status: Planned	July 2011– June 2014	Director of Educational Technology Executive Director of Human Resources	Developed Training modules for students and staff
3.2.5:	Ensure the Acceptable Use Policy is reviewed and signed annually by employees, students and parents. LEA LRPT Correlates: LAS09, TL14	State: Original Status: Planned	July 2011– June 2014	Director of Educational Technology Principals	Signed forms Meeting agendas
3.2.6:	Review annually our local policies and guidelines to keep abreast of the appropriate use of new practices and technologies incorporated into teaching and learning. LEA LRPT Correlates: I07, I09, TL08	State: Original Status: Planned	January - March 2012 and annually thereafter	Principals Director of Educational Technology	Meeting agendas

GOAL 4: Provide an environment to students, teachers, and the community that is conducive to the acquisition and development of 21st century literacy skills such as critical thinking, creativity and collaboration preparing learners for the globally networked society.

OBJECTIVE 4.1:

All students, teachers, and community members will have access to a broad and complete infrastructure for teaching and learning when and where needed.

Budget Amount \$1,004,500.00

LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03, 05, 08, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
4.1.1:	<p>Ensure that every student and teacher has access to at least one Internet device, software and resources for research, communication, multimedia content creation, and collaboration for use in and out of school.</p> <p>Comments: New classroom standards for hardware will be implemented the 2011-12 school year.</p> <p>LEA LRPT Correlates: I04, I05, I09, TL08, TL10</p>	<p>State: Original</p> <p>Status: Planned</p>	July 2011– June 2014	<p>Chief Information Officer Director of Educational Technology Principals</p>	The number of devices in relation to determined needs
4.1.2:	<p>Leverage open educational resources to promote innovative and creative opportunities for all learners and accelerate the development and adoption of new open technology-based learning tools and courses.</p> <p>LEA LRPT Correlates: I09, TL09, TL13</p>	<p>State: Original</p> <p>Status: Planned</p>	July 2011– June 2014	<p>Chief Information Officer Director of Educational Technology</p>	Available resources
4.1.3:	<p>Enable secure after hours access for teaching staff to all on-line curriculum.</p> <p>LEA LRPT Correlates: I03, I08, TL09, TL13, TL16</p>	<p>State: Original</p> <p>Status: Planned</p>	July 2011– June 2014	Manager of Systems	On-line curriculum through the Internet
4.1.4:	<p>Enable secure after hours access for staff and students to electronic data storage.</p> <p>LEA LRPT Correlates: I01, I05, I09, TL09, TL13, TL16</p>	<p>State: Original</p> <p>Status: Planned</p>	July 2011– June 2014	Manager of Systems	Staff and student folders available from anywhere on through the Internet
4.1.5:	<p>Provide just-in-time technical assistance to support teaching and learning.</p> <p>LEA LRPT Correlates: I01, I05, I08, I09, TL09</p>	<p>State: Original</p> <p>Status: Planned</p>	July 2011– June 2014	<p>Manager of Customer Support Manager of Systems</p>	Ticket records of calls/time to solve
4.1.6:	<p>Develop a plan for the acquisition of Apple Applications for classroom use.</p> <p>LEA LRPT Correlates: I04, I05, I09, TL08, TL09</p>	<p>State: Original</p> <p>Status: Planned</p>	July 2011– August 2011	<p>Chief Information Officer Director of Educational Technology</p>	Developed Plan Applications being purchased

4.1.7:	Maintain a database of technology resources for students and teachers to support teaching and learning. LEA LRPT Correlates: EP08, TL01, TL03, TL08, TL10, TL13, TL14, TL16	State: Original Status: Planned	July 2011- June 2014	Director of Educational Technology	Educational Resources stored electronically.
4.1.8:	Maintain approved software list. LEA LRPT Correlates: I05, I09, TL03, TL10	State: Original Status: Planned	July 2011- June 2014	Director of Educational Technology Director of Applications	Approved software list for instruction
4.1.9:	Provide measures to ensure all data is secure and accurate. LEA LRPT Correlates: I01, I05, I08, LAS11, LAS14	State: Original Status: Planned	July 2011- June 2014	Manager of Customer Support Manager of Systems	Plan for data security enacted
4.1.10:	Provide data standards to support interoperability and accessibility for all users. LEA LRPT Correlates: I01, I02, I03, I05, I09	State: Original Status: Planned	July 2011- June 2014	Manager of Customer Support Manager of Systems	Data standards developed and posted

GOAL 5: Ensure district applications and hardware meet specifications for effective communication for students, staff, parents and community members.					
OBJECTIVE 5.1:					
Provide effective communication systems for schools and departments.					
<i>Budget Amount \$1,864,500.00</i>					
<i>LRPT category: Infrastructure for Technology</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 03, 05, 06, 09, 12					
<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>	
5.1.1: Provide long-distance service to district phones. District will apply for E-Rate reimbursement using applicable discount rates. LEA LRPT Correlates: I01, I05, I08, LAS04	State: Original Status: In Progress	July 2011- June 2014	Chief Information Officer	Service Provider's monthly bills and E-Rate applications.	
5.1.2: The district uses Plexar services for its phone system. A limited number of Plexar lines will continue to be used for 911 call routing, faxing etc. LEA LRPT Correlates: I01, I08, LAS04	State: Original Status: In Progress	July 2011- June 2014	Chief Information Officer	Service in place	
5.1.3: Provide cellular phones and pagers to identified district staff for communication within the district and for parent contact. This may include Internet service plans for designated staff. District will apply for E-Rate reimbursement using applicable discount rates. LEA LRPT Correlates: I01, I08	State: Original Status: In Progress	July 2011 - June 2014	Chief Information Officer	Service in place Phone records E-Rate applications	
5.1.4: The district will maintain a call out system for school and district use for event notifications and emergency notifications. LEA LRPT Correlates: I01, I08, LAS05, LAS09, LAS11, TL15	State: Original Status: In Progress	July 2011 - June 2014	Chief Information Officer	Records of calls	
5.1.5: Communicate information for students, parents, staff and community members through district and school web sites. LEA LRPT Correlates: I01, I03, I06, I08, LAS09	State: Original Status: In Progress	July 2011- June 2014	Community Relations Officer District Web Coordinator	District and campus websites providing current information	
5.1.6: Maintain and update as needed the District VOIP system. Apply any applicable E-Rate reimbursements for maintenance and replacement hardware. LEA LRPT Correlates: I01, I06, I08	State: Original Status: In Progress	July 2011-2014	Chief Information Officer Manager of Systems	Maintenance Contract	
5.1.7: Annually review and update the standards for campus web site content and design. LEA LRPT Correlates: I08, LAS09, LAS11,	State: Original Status: In	July – August 2011 and annually thereafter	Director of Applications District Web Manager	Published standards for campus websites	

	TL16	Progress			
5.1.8:	Annually Review and update the standards for teacher web page content and design. LEA LRPT Correlates: I01, I08, LAS09, LAS11, TL16	State: Original Status: In Progress	August – September 2011 and annually thereafter	Campus Principal Campus Improvement Team	Published standards for teacher websites
5.1.9:	Maintain a parent portal allowing parents access to their child's grades, attendance and demographics. LEA LRPT Correlates: I08, LAS05, LAS11, TL15, TL16	State: Original Status: In Progress	July 2011-June 2014	Director of Applications Principals Teachers	Parent Portal in place Number of hits to site
5.1.10:	Maintain the visitor/volunteer tracking web based program to screen campus visitors/volunteers for campus safety and the tracking of volunteer hours. LEA LRPT Correlates: I03, LAS09, LAS13, TL15	State: Original Status: In Progress	July 2011 - June 2014	Director of Applications	System operating in schools

GOAL 6: SBISD will maintain and update the technology infrastructure to meet the instructional and administrative needs of the district.					
OBJECTIVE 6.1:					
Implement technologies to improve classroom and administrative effectiveness.					
<i>Budget Amount \$5,344,000.00</i>					
<i>LRPT category: Infrastructure for Technology</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 01, 03, 05, 06, 09, 11, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
6.1.1:	Solicit input from the District Technology Committee to develop and update technology strategies for the district. LEA LRPT Correlates: LAS01, LAS02, LAS04, LAS07, LAS13	State: Original Status: In Progress	July 2011 - June 2014	Chief Information Officer Director of Educational Technology	Meeting agendas
6.1.2:	Establish minimum technology standards for hardware, software, and peripherals. Update annually. LEA LRPT Correlates: I01, I04, I05, I09, LAS01, TL09, TL10	State: Original Status: Planned	Spring of 2011 and review annually thereafter	Chief Information Officer	Scheduled meetings Meeting Agendas
6.1.3:	Provide support and maintenance for ACTIVclassrooms.(core curriculum classrooms grade 1-12) LEA LRPT Correlates: I05, I06, I09, TL08	State: Original Status: In Progress	July 2011 - June 2014	Chief Information Officer Manager of Customer Service Dir. of Educ. Technology	Operating Activclassrooms
6.1.4:	Replace obsolete student computers and technology equipment using various funding sources- Bond/Local, Grants, State and Federal Funds. LEA LRPT Correlates: I02, I06, I07, I09, TL09, TL10	State: Original Status: In Progress	July 2011 - June 2014	Chief Information Officer Director of Special Education Director of Federal and External Funds	Records of technology equipment removed from the district Records of purchased technology
6.1.5:	Administer an annual survey to determine the effectiveness of technology implementation in the classroom. (Staff, Students and Parents) LEA LRPT Correlates: LAS01, LAS02, LAS03, LAS04, LAS07	State: Original Status: In Progress	Spring 2011 and annually thereafter.	Director of Educational Technology Chief Information Officer	Completed surveys
6.1.6:	Maintain and support library technologies to lead the way for research, media, creation, and innovation to support teaching and learning. LEA LRPT Correlates: I07, I09, TL09, TL10, TL11	State: Original Status: In Progress	July 2011 - June 14	Director of Technology Director of Innovative Media and Resource Systems	Technology hardware in libraries
6.1.7:	Review/implement as needed processes to approve blocking and unblocking of websites.	State: Original	August 2011 and annually	Chief Information Officer Director of	Written Process being used by district employees

	LEA LRPT Correlates: I01, LAS09, TL14	Status: Completed	thereafter	Innovative Media and Resource Systems Director of Educational Technology	
6.1.8:	Prepare and implement plan for ongoing replacement of substandard equipment. Revise plan annually during budget process. LEA LRPT Correlates: I01, I04, I05, I06, I07, I08, I09, TL09, TL10	State: Original Status: In Progress	November 2011 and annually thereafter	Chief Information Officer Manager of Help Desk and Desktop Support	Plan developed annually during budget process Superintendent and Board approval of plan
6.1.9:	Provide teachers with laptops for classroom instruction and administrative functions; providing a 1:1 ratio of laptops to teachers. LEA LRPT Correlates: EP08, I01, I04, I05, I08, TL09, TL16	State: Original Status: In Progress	July 2011 - June 2014	Chief Information Officer Manager of Support Services	Teacher assigned laptops in all teacher classrooms
6.1.10:	Provide technical support for multiple platforms LEA LRPT Correlates: I01, I05, I09, TL08, TL09, TL10	State: Original Status: Planned	July 2011 - June 2014	Manager of Systems Manager of Customer Support	Multiple platforms operating in the district.
6.1.11:	Continue to provide secure after hours access to SAN Folders for staff and students from locations in and outside of the district. LEA LRPT Correlates: I01, I02, I05, I09, TL09, TL13	State: Original Status: In Progress	July 2011 - June 2014	Chief Information Officer Manager of Systems	Access to student and staff folders through the Internet.
OBJECTIVE 6.2:					
Increase the functionality and integration of administrative systems to improve operational efficiency.					
<i>Budget Amount \$2,851,050.00</i>					
<i>LRPT category: Infrastructure for Technology</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 03, 05, 11, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
6.2.1:	Maintain District Email System. LEA LRPT Correlates: I01, I06, I08	State: Original Status: Completed	August 2013	Director of Applications Manager of Systems	Functioning Email System
6.2.2:	Maintain an online system for streamlining student registration process. LEA LRPT Correlates: I08, LAS11	State: Original Status: In Progress	June 2011 - 2014	Director of Applications Executive Director of School Administration and Personnel	Parents registering and verifying student information on line.
6.2.3:	Maintain a current inventory of administrative software systems and databases used in the district. LEA LRPT Correlates: LAS14	State: Original Status: In Progress	July 2011 - June 2014	Chief Information Officer Manager of Systems	List of administrative software systems and databases Data flow diagrams

6.2.4:	Ensure that all data is securely protected through the use of back-up tools and procedures by district staff. LEA LRPT Correlates: I01, LAS14	State: Original Status: In Progress	July 2011 - June 2014	Chief Information Officer Manager of Systems	Develop and implement a systemic database back-up plan
6.2.5:	Maintain secure site for district Network Operating Center as part of the District Disaster Prevention Plan. LEA LRPT Correlates: I01, I05, I06, I08, LAS14	State: Original Status: Planned	June 2011 - 2014	Chief Information Officer Manager of Systems	Operating NOC in secure location.
6.2.6:	Maintenance fees for current Student / Finance / HR / Payroll /Special Education System and other administrative systems. LEA LRPT Correlates: I09, LAS08	State: Original Status: In Progress	July 2011 - June 2014	Director of Applications Director of Special Education	Board approval Maintenance payments
6.2.7:	Maintain a district data management system (ID management). LEA LRPT Correlates: I01, I05	State: Original Status: Planned	July 2011- June 2012	Chief information Officer Manager of Systems	ID management system in place and operational
6.2.8:	Evaluate and if beneficial, move to a SIF (School Interoperability Framework) system for the improvement of district wide data management. LEA LRPT Correlates: I01, I05, I09	State: Original Status: Planned	July 2011 - 2014	Chief Information Officer Manage of Systems Director of Applications	Evaluation process documentation.
6.2.9:	Dashboard- develop and implement dashboard technology for viewing of district data. LEA LRPT Correlates: I08, LAS08, LAS11	State: Original Status: Planned	July 2011 - 2014	Director of Applications	Dashboard technology in use
6.2.10:	Maintain a system and a process to track software licenses and usage. LEA LRPT Correlates: LAS02	State: Revised Status: In Progress	July 2011 - 2014	Manager of Systems Director of Applications	System in place for tracking software licenses and usage.
6.2.11:	Maintain a system and a process to track software licenses and usage for software specific to diagnostic assessment and special education software. LEA LRPT Correlates: I05, LAS02, LAS05	State: Original Status: In Progress	July 2011 - 2014	Director of Special Education	System in place for tracking software licenses and usage.
OBJECTIVE 6.3:					
Maintain/Improve level and quality of service to campuses and departments for technology.					
<i>Budget Amount \$10,970,250.00</i>					
<i>LRPT category: Leadership, Administration and Support</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 03, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
6.3.1:	Review and revise Campus Technology Representative program to maximize communication with campuses regarding	State: Original	July 2011 - June 2014	Customer Service Manager	Meeting agendas and notes.

	technology updates/training and for campus input throughout the year. LEA LRPT Correlates: LAS01	Status: In Progress			
6.3.2:	Work with Library Services to improve campus technology support. LEA LRPT Correlates: EP03, EP09, LAS03, TL10, TL11	State: Original Status: In Progress	July 2011 - June 2014	Director of Innovative Media and Resource Systems Customer Service Manager	Meeting Agendas
6.3.3:	Review and revise structure of LAN techs including number and assignments to provide district wide technology support. Comments: Evaluation of the LAN Techs and their assignments is reviewed regular to adjust to district and campus needs. LEA LRPT Correlates: I09, LAS02	State: Original Status: In Progress	July 2011 - June 2014	Customer Service Manager	Organization Charts
6.3.4:	Annually review procedures and practices of the Help Desk and implement improvements to maximize effectiveness in addressing calls. LEA LRPT Correlates: I09, LAS02	State: Original Status: In Progress	July 2011 - June 2014	Customer Service Manager	New procedures and practices in place
6.3.5:	Develop and conduct an annual User Survey to evaluate customer satisfaction with technology support services. LEA LRPT Correlates: EP09, I05, LAS02	State: Original Status: In Progress	March 2011 and annually thereafter	Customer Service Manager	Completed surveys
6.3.6:	Use student interns for selected technology positions for End-User Support. LEA LRPT Correlates: I02, I05	State: Original Status: In Progress	July 2011 - June 2014	Manager of Customer Services	Internships approved and working Job descriptions developed
6.3.7:	Provide centralized support for network infrastructure, application servers, administrative/instructional hardware and software. LEA LRPT Correlates: I01, I05, I06, I08, I09, TL09, TL13, TL16	State: Original Status: In Progress	July 2011 - June 2014	Manager of Customer Support Manager of Systems Director of Educational Technology	Staffing in place to support centralized service practices
OBJECTIVE 6.4:					
Provide a reliable and secure technology infrastructure.					
<i>Budget Amount \$7,803,150.00</i>					
<i>LRPT category: Infrastructure for Technology</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 01, 05, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
6.4.1:	Implement/maintain a district system for hardware and software inventory. LEA LRPT Correlates: I07, I09	State: Original Status:	July 2011- July 2014	Manager of Systems	Completed inventories of hardware and software

		Planned			
6.4.2:	Implement/maintain tools for pro-active network management and trouble-shooting. Monitor system performance annually and update systems as necessary. LEA LRPT Correlates: I05, I08, I09, LAS14	State: Original Status: In Progress	July 2011 - June 2014	Manager of Systems	Tools for network management being used to monitor systems. Network performance reports.
6.4.3:	Maintain and upgrade as needed district file storage and backup systems to provide file storage space and reliable backups for students and district data. LEA LRPT Correlates: I01, LAS14	State: Original Status: In Progress	July 2011 - June 2014	Chief Information Officer Manager of Systems	Functional file storage and tape backup system Campus files moved to district file storage system
6.4.4:	Coordinate with the Department of Facilities to ensure technology considerations are addressed in all facilities improvements and new construction. LEA LRPT Correlates: I01, I03, I05, I06, I08, LAS02	State: Original Status: In Progress	July 2011 – June 2014	Chief Information Officer Assoc. Superintendent Operations	Meeting agendas/notes
6.4.5:	Maintain and update when needed the wireless network in all district buildings: This includes switches and network equipment, access points, cabling infrastructure, monitoring equipment, UPS devices, maintenance/warranty of wireless equipment, cellular wireless data services, etc. Apply for reimbursement through E-Rate if applicable. LEA LRPT Correlates: I01, I04, I06, I09, TL09, TL10	State: Original Status: In Progress	July 2011 - June 2014	Bond Project Manager Manager of Systems	Network documentation Installation Plans
6.4.6:	Optimize firewall and filtering services to meet Federal requirements and to protect our systems, data and student identities. LEA LRPT Correlates: I01, I06, I09, TL09, TL14	State: Original Status: In Progress	June- December 2011 and continually updated thereafter	Chief Information Officer Manager of Systems	Optimized system
6.4.7:	Investigate and develop/implement a plan to provide IPTV channel access. LEA LRPT Correlates: I01, I09	State: Original Status: In Progress	July 2011 - June 2014	Manager of Systems	Cable installs
6.4.8:	Periodically review network performance to maintain/improve optimum WAN and Internet performance across the district. The district will apply for E-rate reimbursement using applicable discount rates. LEA LRPT Correlates: I01, I03, I06, I08, I09, LAS09, LAS11, TL09	State: Original Status: In Progress	July 2011 and annually thereafter.	Chief Information Officer Manager of Systems	Network Reports
6.4.9:	Monitor and update WAN and Internet connectivity using all available services including new technologies as identified by an annual network needs analysis. The district will apply for E-rate reimbursement using applicable discount rates.	State: Original Status: In Progress	July 2011 - June 2014	Chief Information Officer Manager of Systems	Developed standards for the network Purchased services for WAN and Internet

	LEA LRPT Correlates: I01, I03, I05, I06, I08, I09, TL09				
6.4.10:	Implement/maintain a system (SERS) for hardware and software inventory. LEA LRPT Correlates: I05, I07	State: Original Status: Planned	July 2011 - July 2014	Special Education Director	Completed inventories of hardware and software
6.4.11:	Maintain and update district security systems- CCTV LEA LRPT Correlates:	State: Original Status: Planned	July 2013 - June 2014	Manager of Systems	Working CCTV systems
6.4.12:	Based on assessments of technology in cafeterias and auditoriums, develop and implement a plan for updating projectors and sound systems. LEA LRPT Correlates: I05, I08, I09	State: Original Status: Planned	July 2011 - June 2014	Manager of Systems	Functional equipment for presentations in cafeterias and auditoriums
6.4.13:	Maintain and update network equipment, software and monitoring tools to meet the technology needs of the district. LEA LRPT Correlates: I01, I03, I05, I06, I07, I08, I09	State: Original Status: In Progress	July 2011 - 2014	Chief Information Officer Manager of Systems	Operating Network
6.4.14:	Virtual Desktop Infrastructure; Investigate the benefits and cost of implementing a virtual desktop environment. If the findings are positive, plan and begin implementation. LEA LRPT Correlates: I04, I05, I09, TL09	State: Original Status: Planned	July 2011 - June 2013	Chief Information Officer Manager of Systems	Information gathered during the study Plan and implementation of VDI

Budget

Total amount of Title II, Part D formula funds received for the current year of this plan: \$0.00

Method of application for formula funds: Application via a Title II, Part D shared services arrangement or cooperative

Budget year 2011		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$776,450.00	Local Funds - 752,250 State Technology - 14,000 Title IIA - 37,200
Telecommunications & Internet Access	\$1,078,700.00	Local Funds - 325,950 eRate - 752,750 Bond - 3,702,856
Materials & Supplies	\$590,850.00	Local Funds - 17,350 State Technology - 481,000 CATE - 100,000 IDEA-B - 32,500 Bond - 25,000 Title IIA - 35,000
Equipment	\$5,263,284.00	Local Funds - 3,421,750 State Technology - 340,000 CATE - 225,000 IDEA-B - 20,000 Bond - 700,000 Title 1- 556,534
Maintenance	\$1,827,100.00	Local Funds - 1,807,100 IDEA-B - 20,000
Miscellaneous Expenses	\$3,838,500.00	Local Funds (includes salaries) - 3,838,000
Total	\$13,374,884.00	

Budget year 2012		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$776,450.00	Local Funds - 752,250 State Technology - 14,000 Title IIA - 37,200
Telecommunications & Internet Access	\$1,103,700.00	Local Funds - 325,950 eRate - 777,750
Materials & Supplies	\$815,850.00	Local Funds - 267,350 State Technology - 481,000 IDEA-B - 32,500 Title IIA - 35,000
Equipment	\$2,288,284.00	Local Funds - 1,021,750 State Technology - 340,000 CATE - 225,000 IDEA-B - 20,000 Bond - 125,000 Title - 556,534
Maintenance	\$1,843,750.00	Local Funds - 1,823,750 IDEA-B - 20,000
Miscellaneous Expenses	\$3,838,500.00	Local Funds (includes salaries) - 3,838,500

Total	\$10,666,534.00
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Budget year 2013		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$776,450.00	Local Funds - 725,250 State Technology - 14,000 Title IIA - 37,200
Telecommunications & Internet Access	\$1,103,700.00	Local Funds - 329,950 eRate - 777,750
Materials & Supplies	\$565,850.00	Local Funds - 17,350 State Technology - 481,000 IDEA-B - 32,500 Title IIA - 35,000
Equipment	\$8,613,284.00	Local Funds - 7,371,750 State Technology - 340,000 CATE - 225,000 IDEA-B - 20,000 Bond - 100,000 Title 1 - 556,534
Maintenance	\$2,069,750.00	Local Funds - 2,049,750 IDEA-B - 20,000
Miscellaneous Expenses	\$3,838,500.00	Local Funds (includes salaries) - 3,838,500
Total	\$16,967,534.00	

Evaluation

Evaluation Process:

Section 1 of 2: Evaluation Process

Section 1 of 2: Evaluation Process

Evaluation of the Spring Branch ISD technology plan is a systematic, ongoing process by Educational Technology and Technology Services. The plan is intended to be a living document that is subject to review and revision at all times.

The District Technology Committee consisting of campus staff, district staff, community members and parents will also review the plan and provide recommendations and guidance to the Spring Branch ISD Chief Information Officer and Director of Educational Technology, who will monitor and document progress on the plan.

Various surveys are completed each year by students, staff and parents to collect their input on how well technology is being used and the support they are receiving. This information is used for updating progress in meeting the objectives and strategies of the technology plan.

The purpose of the evaluation is to determine the impact of technology on the teaching and learning process for all students. This evaluation will drive any decisions and/or revisions made to the implementation of the plan. Progress on the implementation and changes in the Technology Plan will be communicated with all stakeholders.

Evaluation Method:

Section 2 of 2: Evaluation Methods

The District will examine the following indicators to provide detailed information of the plan's progress. These indicators include:

- Reports of registration and completion of formal staff development opportunities provided to teachers and staff
- Annual surveys of students, staff, and parents on technology use in the classroom
- Informal staff interviews conducted on each campus by technology staff
- Examples of student products indicating integration of technology into the curriculum
- Technology-rich lesson plans
- Documentation of community access to technology resources and information on the campuses and on the web site
- Annual inventory of hardware and software
- Technical support records for support and maintenance of technology
- SBEC standards assessment for educators and administrators
- Documentation of Technology Applications TEKS for students K-8

Appendix

Attachment item A:

Student, Teacher and Parent Survey Information

- PDF file:  <http://www.springbranchisd.com/techplan2011/AttachmentA.pdf>

Attachment item B:

Description of the ACTIVclassroom

- PDF file:  <http://www.springbranchisd.com/techplan2011/AttachmentB.pdf>

Attachment item C:

Acceptable Use Policy for Students

- PDF file:  <http://www.springbranchisd.com/techplan2011/AttachmentC.pdf>

Attachment item D:

Student Acceptable Use Signature Form

- PDF file:  <http://www.springbranchisd.com/techplan2011/AttachmnetD.pdf>

Attachment item E:

Acceptable Use Policy for Staff Members

- PDF file:  <http://www.springbranchisd.com/techplan2011/AttachmentE.pdf>

Attachment item F:

Approved Instructional Software List

- PDF file:  <http://www.springbranchisd.com/techplan2011/AttachmentF.pdf>

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