

FORT BEND ISD
Technology Plan

2004 – 2007

DR. BETTY BAITLAND
SUPERINTENDENT

DISTRICT PROFILE

ESC Region	4
Address	16431 Lexington Blvd
City, State Zip	Sugar Land, TX 77479-2308
Phone	(281) 634-1000
Fax	(281) 634-1700
County District Number	79907

Number of Campuses	59
Total Student Enrollment	59,489
District Size	50,000 and over
Percent Econ. Disadvantaged	23.64%

Number of Campuses with Direct Connection to Internet	59	
Percentage of Campuses with Direct Connection to Internet	100.00%	
Number of Classrooms with Direct Connection to Internet	3325	
Percentage of Classrooms with Direct Connection to Internet	100.00%	
Computer/Student Ratio	10 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	56	
Percentage of campuses that have completed the Texas Campus STaR Chart	100.00 %	

PLAN INTRODUCTION

:

EXECUTIVE SUMMARY

The Fort Bend ISD Technology Plan is a three-year plan encompassing the school years 2004-2005, 2005-2006, and 2006-2007. Taken together, the four goals presented in the Technology Plan reflect an approach to integrate technology into all aspects of district activity—instructional, staff development, and data reporting/utilization, while providing a technology infrastructure that becomes more seamless with each passing year.

The FBISD Technology Plan supports the goals of the district Strategic Plan and directly reflects the Strategic Plan's technology goal that is based on recommendations in the Texas Long-Range Plan for Technology 1996-2010. The district Technology Plan also complies with E-Rate Grant Application Guidelines and the No-Child-Left-Behind funding requirements, with 100% of its Title II Part D funding being spent on staff development.

The FBISD Technology Plan reflects the recent financial history of the district: In November of 2003 the FBISD community passed a \$299,950,000 bond, of which \$26 million was allocated for technology. Part of the pre-bond vote process included research into district needs as preparation for the various information sessions held in the community and with the Citizen's Bond Advisory Committee. These findings presented before the bond vote were later expanded upon in collaborative information-gathering sessions conducted with several district groups to further assess needs and provide consensus-building prior to completion of the Technology Plan.

Briefly, the FBISD Technology Plan addresses

- o Technology integration into instruction (developing/implementing the framework for integration into the core curriculum by grade level K-8, assessing the results, piloting technology (library) stations, expanding offering of Chapter 126 Technology Applications courses for high school, continuing to evaluate and update CATE programs, and providing access to a full range of library media resources).
- o Staff development programs that will provide training in integration of K-8 Technology Applications TEKS into grade level core curriculum, provide for tracking of this training component, and provide for communicating this process to district personnel.
- o Data quality and utilization through implementation of improved PEIMS standards/training for campus and administrative personnel and through increased training in and refining of data reporting/availability.
- o A supportive infrastructure with a program for periodic updating of workstations and network components and for addressing emerging technologies, disaster recovery, security issues, and continuous training for technical staff.

The Technology Plan—though reflecting a three-year time period—has been designed with the understanding that evaluating, monitoring, and adjusting the plan periodically as deemed necessary is an integral component of the planning process and of the plan document itself. The D.I.G.I.T. (Design Input Group for Information Technology) Committee—composed of high/middle/elementary school principals, Curriculum Department staff, technology staff, Area Superintendents, and community members—will monitor the Technology Plan on an annual basis and make recommendations based on changing district needs and/or changing (emerging) technology opportunities.

TECHNOLOGY COMMITTEE MEMBERS

D.I.G.I.T. (Design Input Group for Information Technology) Committee Members

Irma Cobos, Principal, Meadows Elementary
Lamar Coleman, Director, Career & Technology
Gary Crowell, Area Superintendent, Area III
Eugene Dupont, Principal, Burton Elementary
Vicki Johnston, Principal, Fort Settlement Middle School
Linda Kalantar, Principal, Goodman Elementary
Talesa Kidd, Principal, George Bush High School
Barbara Kulpinsky, Principal, Highlands Elementary
Isaac Malbrough, Principal, McAuliffe Middle School
Lynn Marshall, Principal, Dulles High School
Linda Marsters, Principal, Sugar Mill Elementary
Sharon McGlaun, Director, Curriculum
Mike McKie, Principal, Clements High School
Faye McNeil, Principal, Briargate Elementary
Lynette Meyer, Director, Educational Technology
Dr. Charlie Michel, Principal, Dulles Middle School
Pat Paquin, Principal, Hightower High School
Linda Paschal, Associate Superintendent, Technology
Becky Pruett, Coordinator, Library and Media Services
Linda Ruckman, Principal, Sienna Crossing Elementary
Maureen Saenz, Principal, Settlers Way Elementary
Ann Sandoval, Director, Curriculum
Sonia Stabinsky, Director, Computing Services
Sara Thurman, Principal, Walker Station Elementary
Dr. Susan Wey, Area Superintendent, Area II
Doug Wilkinson, Director, Network & Technical Services

Technology Planning Support

George Crawford, Technology Planning Consultant, XNET
Chris Tucker, Technology Planning Consultant, XNET

NEEDS ASSESSMENT

Assessment Process: Assessment was conducted by reviewing existing documents of past studies and by initiating studies with subsequent review of the recommendations provided by this process. Reviewed documents came from both external and internal studies/sources.

External sources that have provided invaluable guidance in district planning include the Texas Long-Range Plan for Technology 1996-2010 and The Texas School Technology and Readiness (STaR) Chart. The district has utilized the self-assessment component of the STaR Chart to gain a realistic picture of district needs.

External documents which have provided recommendations specifically for FBISD (and guidance) include:

- The Curriculum Audit
- The Texas School Performance Review (TSPR)
- The Region IV PEIMS Review
- The XNET Email Component Assessment Review
- The Infrastructure Associates Electrical Study
- The Simplex Grinnell Cabling Assessment.

Documents generated internally by the district for purposes of planning have also assessed needs. These include:

- * Internal audit of PEIMS processes (with resulting reports)
- * Planning/information documents for Citizen's Bond Advisory Committee with resulting committee members' recommendation input
- * District-wide input from principals, librarians, Instructional Technology Specialists, Associate/Area Superintendents, and community members to formulate The Strategic Plan Review document (technology plan) issues—these being verbal interactive discussion sessions conducted by an outside consulting source.

Needs assessment will continue on an annual basis by the Design Input Group for Information Technology (DIGIT) Committee based on new needs, new priorities, and/or new (emerging) technologies.

Existing Conditions:

The district currently has 9 high schools, 11 middle schools, and 36 elementary schools with a combined student enrollment of approximately 60,000 and is growing rapidly. In addition—to address a variety of vocational interests as well as special learning needs—the district has a Technical Education Center, the M.R. Wood Alternative Education Center, and the Progressive High School as well as several technology academy programs. Nine new campuses are budgeted for and planned to be completed within the next five years. The district's 37th elementary school is scheduled to open in the Fall of 2004.

Telecommunications

The Administration Building is the secure central site for district servers and the consolidation point for all WAN connectivity. Each server is backed up regularly and connected to a UPS. The district has approximately 230 servers running Windows NT and Windows 2000. All district classrooms and offices are connected to the WAN and the Internet.

The WAN connectivity is managed through a trio of large Cisco data switches. All Fort Bend campuses are connected to the Administration Building by high speed fiber lines. Each location is currently running at 1 GB full duplex. Each site is connected via T1's in standby mode as backup connectivity. The district is prepared to install a second 1 GB connection to a specific location when needed by user and system demands. The district is currently upgrading each of the MDF/IDF connections to provide 1 GB connectivity between wiring closets.

Hardware / Software

There are approximately 16,000 Compaq computers in the district. All computers are delivered with software images preloaded that include MicroSoft Office and Norton Anti Virus.

Each classroom has one television connected to a computer or access to a data projector for multimedia applications, internet display, and software introduction and use. All secondary schools have distributed video systems and have student-developed/led morning announcement programs. About half of district elementary campuses also have this announcement capability.

Common elementary software in the district includes MicroSoft Office, Accelerated Reader, Kidspiration, Inspiration, Hyperstudio, and various typing programs. Common middle school software includes MicroSoft Office, Inspiration, and Publisher. Software at the high schools includes MicroSoft Office, Geometry Sketchpad, Pasco Science Probes, and various assisted learning software programs.

The student management system is SASIxp. The district financial system is CIMS.

Instructional

The district has developed an online curriculum and conducts regular district assessments in most subject areas. Data is provided on the student assessments for design and improvement of programs and for focusing on students needing special assistance or at risk. Campus support for instructional technology is provided by one Instructional Technology Specialist for every secondary campus and one for every two elementary campuses. One hundred percent of the district's allocation for Title IID is budgeted for technology staff development.

Technology Division Structure

The district Technology Division is headed by a Cabinet Level Associate Superintendent for Technology. Most departments within the Technology Division are headed by a director. These departments include Computing Services, Network Services, Library Media Services (Coordinator), Educational Technology, and Career & Technology Education.

Technology Needs:

This technology plan addresses (to the degree that budgetary considerations make it practical) the technology needs of the district. Stated generally, the district has a need for

- Creating documents for integrating Technology Applications TEKS K-12 into existing core curriculum and assessing the results
- Integrating library resources more completely into the lesson process
- Providing meaningful staff development to all district personnel, based on job requirements/demands
- Refining the processes and technology for accurate PEIMS reporting and data utilization
- Implementing a purchasing cycle for district instructional computers, servers, and related hardware
- Addressing electrical issues before they affect technology upgrades
- Improving connectivity.

GOALS, OBJECTIVES, AND STRATEGIES

Goal 1: TEACHING & LEARNING - All students will receive instruction that incorporates technology into the learning process.

Objective 1.1: Establish and utilize a framework to integrate the Technology Applications TEKS K-8 benchmarks into the curriculum.

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01 02 03 04a 07

Strategies		Timeline	Person(s) Responsible	Evidence
1.1.1	Develop course outlines with discrete technology objectives (derived from the Technology Applications TEKS) for each grade level, K-8, and include (a)Posting of grade-level Technology Applications documents to the web for the district-required one year review process (b)Adjusting on-line grade-level Technology Applications documents based on feedback (administrator, teacher and Instructional Technology Specialists) (c)Submitting on-line grade-level Technology Applications curriculum for approval following completion of the one-year review process. LRPT Correlates: AS01 TL01 TL02 TL06 TL07 TL08	2004-05 2005-06	Director of Educational Technology Instructional Technology Staff	Grade-level Technology Applications K-8 documents are posted online Technology Applications curriculum approved after review process
1.1.2	Correlate grade-level Technology Applications TEKS documents (created in 1.1.1 above) to align with core curriculum content by (a)Designating grade level/subject committees composed of teachers, ITS's, Teacher Specialists (b)Developing and posting grade level/subject documents (c)Providing for annual update of resource and integrated lesson plans (d)Collaborating—initially and ongoing—with core content area coordinators on ways to integrate technology-enriched lessons into the on-line curriculum documents. LRPT Correlates: TL02 TL06 TL07 TL08	2005-06 2006-07	Director of Educational Technology Instructional Technology Staff Instructional Staff	Grade-level/subject documents with integrated technology TEKS are published online Staff development to communicate the documents is scheduled and completed
1.1.3	Select Technology Applications materials: (a)Organize adoption committee (b)Review products for Technology Applications materials selection (c)Submit adoption selection. LRPT Correlates: TL02 TL07 TL08 TL09	2004-05 2005-06	Director of Educational Technology Instructional Tech Staff District Instructional Technology Specialists	Product selected and adopted

Objective 1.2: Begin the process to assess the effectiveness of the Technology Applications TEKS integration K-8.

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01 11

Strategies		Timeline	Person(s) Responsible	Evidence
1.2.1	Develop the plan for delivering the assessments grades 2, 5, 8. LRPT Correlates: TL14	2004-05	Director of Educational Technology Instructional Technology Staff	The developed plan
1.2.2	Develop the assessment documents/instruments for grades 2, 5, 8. LRPT Correlates: TL14	2005-06	Director of Educational Technology Instructional Technology Staff	The assessment documents / instruments
1.2.3	Pilot the administering of the assessments in grades 2, 5, 8. LRPT Correlates: TL12	2006-07	Director of Educational Technology Instructional Technology Staff	Assessments piloted on designated campuses
1.2.4	Evaluate both student progress and the assessments themselves from district input and STaR Chart self-assessment information LRPT Correlates: TL12 TL14 TL15	Summer & Fall 2007	Director of Educational Technology Instructional Technology Staff	District surveys Results of assessments (and/or assessment experience) STaR Chart Self Assessment

Objective 1.3: Evaluate a project-based learning station pilot in several elementary libraries (pilot implemented in 2003-2004; stations include technology).

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01
NCLB Correlates: 01 03 04a

Strategies		Timeline	Person(s) Responsible	Evidence
1.3.1	Develop a tool to evaluate implementation successes of the project-based learning station pilots underway at selected elementary schools. LRPT Correlates: TL05 TL06 TL07 TL08 TL20	2004-05 2005-06	Coordinator of Library Services Director of Educational Technology	Report that summarizes pilot evaluation
1.3.2	Extend the program to all 36 elementary campuses if the pilot is successful. LRPT Correlates: TL05 TL06 TL07 TL08 TL10 TL20	2006-07	Director of Educational Technology Coordinator of Library Services	Pilot (now "program") is in all district elementary school libraries

Objective 1.4: Insure high school campuses offer the minimum of 4 Technology Applications (Chapter 126) courses to students each year and have the opportunity to expand these offerings to more of the Chapter 126 courses.

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01
NCLB Correlates: 01

Strategies		Timeline	Person(s) Responsible	Evidence
1.4.1	Provide curriculum documents for teachers to use in teaching Technology Applications Chapter 126 courses to include the following steps: (a)Develop course outlines/curriculum documents as necessary to insure minimum of 4 courses per campus (b)Publish online the 4 course curricula for use/input/revision (c)Submit on-line curricula for board approval following completion of the one-year review process (d)Follow the same process as above—a,b,c—for the remaining Chapter 126 Technology Applications courses. LRPT Correlates: TL02 TL20	2004-05 2005-06 2006-07	Director of Educational Technology District Technology Staff High School Technology Applications Teachers	High School Technology Applications documents are posted online Products for High School Technology Applications courses are selected and adopted
1.4.2	Provide curriculum materials for teachers to use in teaching Technology Applications Chapter 126 courses: Review available products and submit adoption selection. LRPT Correlates: TL02 TL09	2004-05	Director of Educational Technology High School Tech Appls Teachers	Products for high school Technology Applications courses are selected and adopted-in use

Objective 1.5: Maintain, implement, and evaluate annually technology courses that prepare students for the competitive job market and post secondary education.

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01
NCLB Correlates: 01 02 03

Strategies		Timeline	Person(s) Responsible	Evidence
1.5.1	<p>Career and Technology Education will conduct annual evaluations of all CATE programs (completed in March and judged in accordance with the curriculum currently available on-line for secondary education classes).</p> <p>LRPT Correlates: AS02 TL08 TL09</p>	2004-05 2005-06 2006-07	<p>Director of Career & Technology Education</p> <p>CATE Staff CATE Teachers</p>	<p>The completed evaluations (annually)</p>
1.5.2	<p>Career and Technology Education will continually expand opportunities for professionally endorsed licensing and industry certification for students who meet the criteria as established by recognized state and federal agencies or recognized industry certifications.</p> <p><u>Comments:</u> Certification opportunities include the following: (a) Agriculture: Students can be certified in Hunter Education and Boater Safety through Texas Parks and Wildlife; Private Pesticide Applicator License; Certified Welder Program; and Extension Service Master Gardener Certification. (b) Business Education: Students can become Microsoft Office Specialist Certified. This certification is recognized on the college level for credit. Some colleges require the certification before entrance into a Business Program. (c) Family and Consumer Science: Students are eligible for Child Development Association; Educational Aide Certification I; Lodging Management Program Certification II; Pro-Start; and Serve Safe. (d) Technology Education: 3d Studio Max & AutoDesk certification (e) Marketing Education: Pro-Management Certification; Real Estate License; SABRE Systems Certification; Travel Academy Certification. (f) Broadcast Media: Final Cut Pro & Avid DV Express Certification. (g) Metal Trades: Shielded Metal Arc Welding Certification.</p> <p>LRPT Correlates: TL08 TL09 TL10</p>	2004-05 2005-06 2006-07	<p>Director of Career & Technology Education</p> <p>Supervisor of Tech Ed Center</p> <p>CATE Staff CATE Teachers</p>	<p>Proposals for new courses and/or programs submitted for approval</p> <p>New programs offered</p>
1.5.3	<p>Career and Technology Education will expand the Tech Prep programs to provide—where appropriate within regulations—opportunities for CATE students to earn Texas community college credits and/or to begin to earn credits in a college technical major while still in high school.</p> <p><u>Comments:</u> Career and Technology students can earn Texas community college credits for certain courses. Advanced Technical Credit and Tech Prep are the advanced placement programs for students interested in preparing for college and a technical career that requires postsecondary education. Students in this program are encouraged to complete as many courses in the recommended high school program as possible. Tech Prep provides an opportunity to begin a college technical major while in high school. Fort Bend ISD is a member of the Gulf Coast Tech Prep consortium that supports the district with Articulation Agreements, Tech Prep Plans, and School to Technical Education Programs. Tech Prep programs are developed to provide students with academic and technical skills to meet the needs of the business sector. Articulation agreements have been made between Fort Bend ISD and several local community colleges. Statewide-Articulated courses must be taught by teachers who meet state and college requirements. FBISD must coordinate the training for teachers teaching courses listed on the Tech Prep Statewide Articulated Crosswalk.</p> <p>LRPT Correlates: TL08 TL09 TL10</p>	2004-05 2005-06 2006-07	<p>Director of Career & Technology Education</p> <p>CATE Staff</p>	<p>Proposals for new Tech Prep courses/programs submitted for approval</p> <p>New Tech Prep courses/programs offered</p>

Objective 1.6: Provide access to a full range of library information resources including traditional and electronic media in accordance with the Texas State Library Standards to facilitate integration of the library media program into curriculum.

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01
NCLB Correlates: 01 03 04a 06 07 09 10

Strategies		Timeline	Person(s) Responsible	Evidence
1.6.1	Evaluate and purchase online resource data bases and search engines as replacements for some traditional print resources. LRPT Correlates: EP06 TL01 TL05 TL07 TL08 TL10 TL18 TL21	2004-05 2005-06 2006-07	Coordinator of Library Services Campus Librarians	New online data bases made available
1.6.2	Collaborate with professional groups (Harris County Librarian Leadership Group, Library State Standards Committee, Texas Association of School Library Administrators [TASLA]) to develop an initial online library scope and sequence to support the state approved TEKS curriculum. LRPT Correlates: TL05 TL07 TL08	2005-06 2006-07	Coordinator of Library Services	Library scope and sequence reflecting state standards is posted online
1.6.3	Develop the Horizon Information Portal (HIP) as a gateway to information resources such as databases and other online reference resources. LRPT Correlates: EP06 TL01 TL05 TL07 TL08 TL10 TL18 TL21	2004-05 2005-06 2006-07	Coordinator of Library Services Library Services Staff	"HIP" is available with online reference resources
1.6.4	Train librarians in understanding and utilizing online curriculum with students and staff to support information and critical thinking throughout the curriculum (initial training in 2004-2005 with refresher courses to meet changes in curriculum, technology, and staff). LRPT Correlates: EP10 EP13 TL03 TL05	2004-05 2005-06 2006-07	Coordinator of Library Services	Staff development records reflect offering of and attendance of these courses
1.6.5	Increase community awareness of online services the district provides that are available for everyone to access. LRPT Correlates: TL21	2004-05 2005-06 2006-07	Coordinator of Library Services Community Relations Staff	Communication documented in *Community Relations Newsletter *Technology Division Newsletter (Tech Sketch) *District Web
1.6.6	Develop and evaluate the collections of the library media centers in light of availability online and expense involved for possible replacement. LRPT Correlates: TL05	2004-05 2005-06 2006-07	Coordinator of Library Services Campus Librarians	Evaluation document showing availability of online collections and financial comparison for replacement- (online vs. hardcopy)

Goal 2: EDUCATOR PREPARATION & DEVELOPMENT - District educators will receive technology instruction appropriate to their district role.

Objective 2.1: Develop and offer an ongoing technology staff development/training program.

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 01 04b 08 10

Strategies		Timeline	Person(s) Responsible	Evidence
2.1.1	<p>Develop recommended "Sequence of Courses to Take" by specific grade-level for technology staff development for teachers, including in them integration proficiencies.</p> <p>LRPT Correlates: EP02 EP03 EP05 EP09 TL03</p>	2006-07	<p>Director of Educational Technology</p> <p>Coordinator of Library Service</p> <p>District Instructional Technology Specialists</p> <p>Instructional Coordinators</p> <p>Designated Teachers</p>	Staff development documents with sequence requirements by grade level are published online
2.1.2	<p>Develop and offer technology staff development workshops/classes at the district level addressing: specific Technology Applications TEKS responsibilities by grade level (K-8), concepts of integrating technology into the FBISD curriculum (K-12), and other classes from the developed "Sequence of Courses to Take."</p> <p>LRPT Correlates: EP02 EP03 EP04 EP05 EP08 EP09 TL03</p>	2004-05 2005-06 2006-07	<p>Director of Educational Technology</p> <p>Instructional Technology Staff</p> <p>District Instructional Technology Specialists</p>	Staff development records reflecting these classes offered and attended
2.1.3	<p>Investigate staff development options such as instructional videos available on-line, just-in-time approaches, for-home check-out by teachers, and adult course services in order to offer staff development capabilities of a broader nature and with more convenience to the recipients.</p> <p>LRPT Correlates: EP11 EP12</p>	2004-05	<p>Director of Educational Technology</p> <p>Instructional Technology Staff</p>	Proposal developed that outlines the investigation of staff development options and contains a recommendation
2.1.4	<p>Develop and offer workshops at the district level integrating online library data bases and search engines into the FBISD curriculum (K-12) and the information literacy skills (4-12).</p> <p>LRPT Correlates: EP10 EP12 TL03</p>	2004-05 2005-06	<p>Coordinator of Library Services</p> <p>Director of Educational Technology</p>	Staff development records reflecting these workshops have been offered and attended

Objective 2.2: Incorporate the staff development program (developed in Objective 2.1) into the district tracking system for monitoring teacher participation.

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 11

Strategies		Timeline	Person(s) Responsible	Evidence
2.2.1	<p>Develop functional specifications for an RFP to purchase a system that provides an individualized staff development plan for each teacher.</p> <p>LRPT Correlates: EP13 TL13</p>	2004-05	<p>Director of Staff Development</p> <p>Director of Educational Technology</p> <p>Director of Curriculum</p>	Document distributed to vendors
2.2.2	<p>Select / purchase the program (in Strategy 2.2.1).</p> <p>LRPT Correlates: EP13 TL13</p>	2004-05	<p>Director of Staff Development</p> <p>Director of Educational Technology</p> <p>Director of Curriculum</p>	<p>Recommendation for purchase made</p> <p>Program purchased</p>
2.2.3	<p>Provide training on the system selected (Strategy 2.2.2).</p> <p>LRPT Correlates: EP13 TL13</p>	2005-06	<p>Director of Staff Development</p> <p>Director of Educational Technology</p> <p>Director of Curriculum</p>	Staff development records reflecting these classes have been offered and attended
2.2.4	<p>Prepare and direct reports to supervisors (principals and area superintendents) for use in the appraisal system.</p> <p>LRPT Correlates: EP13 TL13</p>	2005-06 2006-07	Director of Staff Development	Reports produced and distributed

Objective 2.3: Provide coordination and training for ITS's and librarians so they can more fully collaborate in the staff development and support they provide for teachers in the utilization of technology in the teaching/learning process.

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER02
NCLB Correlates: 04b 07

Strategies		Timeline	Person(s) Responsible	Evidence
2.3.1	<p>Conduct joint monthly meetings with K-12 librarians and Instructional Technology Specialists for information sharing and collaboration on projects.</p> <p>LRPT Correlates: EP05 EP10 EP13 TL05 TL09</p>	<p>2004-05 2005-06 2006-07</p>	<p>Director of Educational Technology</p> <p>Coordinator of Library Services</p>	<p>Documents showing monthly meeting agendas, notes, and signed attendance</p>
2.3.2	<p>Provide collaborative staff development which includes library databases and other online resources useful to both groups (Librarians and Instructional Technology Specialists).</p> <p>LRPT Correlates: EP05 EP10 EP13 TL05 TL09</p>	<p>2004-05 2005-06 2006-07</p>	<p>Director of Educational Technology</p> <p>Coordinator of Library Services</p>	<p>Staff development records reflect offering of courses and evidence of attendance</p>

Objective 2.4: Communicate the staff development program and course offerings to district staff.

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER02
NCLB Correlates: 04b

Strategies		Timeline	Person(s) Responsible	Evidence
2.4.1	<p>Publish a course selection guide for teachers, librarians, Instructional Technology Specialists, and Administrators that details technology staff development opportunities offered each semester (fall/spring/summer).</p> <p>LRPT Correlates: EP13</p>	<p>2004-05 2005-06 2006-07</p>	<p>Director of Educational Technology</p>	<p>Published staff development guide (3 times per school year)</p>

Goal 3: ADMINISTRATION & SUPPORT SERVICES - District staff will have access to accurate and appropriate data for decision making.

Objective 3.1: Develop and implement programs and processes to insure PEIMS data quality.

LRPT Category: Administration and Support Services

E-Rate Correlates: ER01

NCLB Correlates: 11

Strategies		Timeline	Person(s) Responsible	Evidence
3.1.1	To improve district PEIMS processes: a) Identify and document the existing PEIMS processes b) Evaluate findings for effectiveness. LRPT Correlates: AS03	2004-05	Director of Computing Services	Document listing/explaining district PEIMS processes
3.1.2	Create an electronic reporting process that makes the review of preliminary PEIMS data manageable, user friendly, and understandable so that inaccuracies can be corrected prior to the final submission to TEA. LRPT Correlates: AS03 AS08 <u>Comments:</u> The district is considering areas that include: (a) Providing quality control for campus PEIMS edit reports (b) Improving computerized application quality by working with programmer to debug reporting process to ensure quality of data collected (c) Developing procedures for having the CATE Department identify and report in the PEIMS system those students within FBISD that are assigned to one of the following--Cooperative training station, Technology Repertory (Tech Prep) courses or sequence of courses, and Pregnancy related services (PRS)--to allow the district to maximize state funding and ensure the integrity of CATE data and compliance with state regulations (d) Continuing to transfer ownership of the PEIMS process from Computing Services to the campuses and administrative departments (e) Defining a process for accommodating data requests.	2004-05 2005-06 2006-07	Director of Computing Services Programming Staff	Electronic reporting listing specific campus data available online to principals

Strategies		Timeline	Person(s) Responsible	Evidence
3.1.3	<p>Develop and implement a system of “checks” on PEIMS data before it becomes finalized for insuring data quality.</p> <p>LRPT Correlates: AS03</p> <p><u>Comments:</u> These checks will include most or all of the following: (a) Visit each campus to review PEIMS data prior to submission to the TEA (to include Fall leavers data) (b) Review 10% of student leaver data including all leaver codes for 99 and excluding graduates (based on internal reports) (c) Conduct attendance balancing and discipline reviews for applicable campuses based on TEA’s desktop audit report edits and defined terms in the PEIMS manual (d) Conduct internal reviews on enrollment of pre-k, economically disadvantaged, and at-risk populations as defined in the PEIMS manual (e) Conduct periodic spot checks as necessary after the revised process is put into production to ensure quality and refine further enhancements to the process (f) Identify and develop triggers that notify stakeholder(s) that they are reaching thresholds or danger points that may place them in jeopardy of reporting poor data quality that will affect a campus’ accountability and the district’s state funding allotment (g) Work with programmer to develop district’s internal data quality reports (separate from campus edit reports), run and distribute them to appropriate campuses for resolutions and correction.</p>	2004-05 2005-06 2006-07	<p>Director of Computing Services</p> <p>Computing Services Staff</p> <p>District Internal Auditor</p>	Reduction in PEIMS-reporting errors
3.1.4	<p>Improve current district technology for PEIMS data collection.</p> <p>LRPT Correlates: AS03</p> <p><u>Comments:</u> Technology improvement will include: (a) Converting the central PEIMS database from DB4 to SQL to improve data availability, ensure data integrity, ensure TEA compliance, provide information to FBISD personnel, provide seamless integration and on-demand access, allow refinement of the prescreening and validation of data, and provide the ability to better utilize the Edit Plus PEIMS tool (b) Centralizing and consolidating all servers used to build and report PEIMS data to augment disaster recovery and provide a faster, more fault tolerant environment.</p>	2004-05	<p>Director of Network Services</p> <p>Director of Computing Services</p>	<p>Conversion of the central PEIMS database to SQL complete</p> <p>Consolidation of all servers complete</p>
3.1.5	<p>Develop a PEIMS Campus Guideline incorporating the PEIMS Data Standards, Student Attendance Accounting Handbook, and District Procedures.</p> <p>LRPT Correlates: AS08</p>	2004-05	<p>Director of Computing Services</p> <p>Computing Services Staff</p>	PEIMS Campus Guideline

Objective 3.2: Collect, process, and report data to support the improvement initiatives in all district campuses and departments

LRPT Category: Administration and Support Services

E-Rate Correlates: ER01

NCLB Correlates: 11

Strategies		Timeline	Person(s) Responsible	Evidence
3.2.1	<p>Modify SASIxp to provide enhancements to include</p> <p>(a) Identify and add new reports to enhance SASIxp</p> <p>(b) Improve security for SASIxp with the use of login scripts, standardization of User Groups, Folder Shares and Permissions</p> <p>(c) Store student records electronically, reducing the amount of space schools need to store paper records and increasing security of currently stored in uncontrolled and unmonitored areas.</p> <p>(d) Allow ad hoc queries to be generated by users</p> <p>LRPT Correlates: AS03 AS08</p>	<p>2004-05</p> <p>2005-06</p> <p>2006-07</p>	<p>Director of Computing Services</p>	<p>Enhancements completed (b&c) and available for use (a&d)</p>
3.2.2	<p>Provide additional tools for student progress/grade reporting to include</p> <p>(a) Develop, monitor and improve a report card printing program in-house for elementary campuses</p> <p>(b) Test, recommend, and implement a print-to-mail system as replacements to the old dot matrix printers used to print multipart carbon report cards at all secondary schools</p> <p>(c) Develop, monitor and improve a report card printing program in house for secondary schools</p> <p>(d) Refine procedures for the newly implemented electronic grade book and electronic scheduling programs for elementary schools</p> <p>LRPT Correlates: AS02 AS03</p>	<p>2004-05</p>	<p>Director of Computing Services</p> <p>Programming Staff</p>	<p>Report cards generated for every FBISD student</p> <p>Print-to-mail system at secondary level</p> <p>Improved electronic grade book and scheduling-elementary</p>

Strategies		Timeline	Person(s) Responsible	Evidence
3.2.3	<p>Deploy additional on-line tools allowing schools to access data, enabling them to improve decision-making processes.</p> <p>LRPT Correlates: AS02 AS03 AS08 TL11</p> <p><u>Comments:</u> Online tools being considered follow: (a) Develop, monitor, and refine reports, notifications and documentation to report student progress on Elementary level District Assessments (PAPI). (b) Expand the scope of the data being imported into the data warehouse to include multiple systems for more effective reporting. (c) Make employee leave information available to staff for monitoring on line. (d) Research and evaluate legal implications and define the scope of delivery to make student data accessible by parents--could include enabling parental access of student grades on-line or sending progress reports and semester grades via email. (e) Enable the verification of the enrollment form including signature to be completed electronically. (f) Enable and provide terminal services for power users of SASIxp to connect directly to the SASIxp server to access and run certain maintenance programs (for reduced process time). (g) Identify and create queries or reports that can be run at the campus level, providing the campus with information needed to proactively monitor their students and data. (h) Migrate student assessment and testing data into the campus administrative database (SASIxp) to allow for longitudinal student and program evaluations. (i) Evaluate options for replacing the current bubble sheet assessment process with an electronic system that could provide faster access to student results decreasing the time between testing and feedback to students and increasing the time available for teachers and students to make necessary adjustments.</p>	2004-05 2005-06 2006-07	Director of Computing Services	Tools available online and being utilized by appropriate district personnel
3.2.4	<p>Improve financial functions to include (a) Improve communication process relating to SASIxp & CIMS change request and the implementation of modifications and upgrades (b) Improve payroll processes to include a more detailed format for the printing of checks (c) Map the archived Delta Financial System data into the warehouse to improve accessibility (d) Map the processes involving the mission critical SASIxp and CIMS systems to ensure that any future replacement systems meet district requirements with quality, reliability, and integrity.</p> <p>LRPT Correlates: AS03</p>	2004-05 2005-06	Director of Computing Services CIMS Support Staff Database Administrator	<p>a)Changes that reflect system upgrade</p> <p>b)Printed checks have detailed format</p> <p>c)Delta data accessible to appropriate district staff</p> <p>d)Processes mapped</p>
3.2.5	<p>Refine and monitor data interfaces for existing district applications as they function with SASIxp or CIMS.</p> <p>LRPT Correlates: AS02 AS03 AS08</p> <p><u>Comments:</u> District has the following applications needing interfaces: (a) Special Education Manager Program used by the district staff for maintenance of all student special education information (b) Edulog used by district staff for bus routing (c) Student Child Nutrition program (CAFS) (d) Viper Automated Calling System for recording absences of district personnel (e) Kronos time and attendance punch card system (with CIMS) (f) Winocular on-line employment application system.</p>	2004-05 2005-06 2006-07	Director of Computing Services Computing Services Staff	New interfaces being used by appropriate district staff

Objective 3.3: Provide ongoing training to all affected/involved district staff in the accurate reporting and utilization of data.

LRPT Category: Administration and Support Services

E-Rate Correlates: ER02

NCLB Correlates: 04b

Strategies		Timeline	Person(s) Responsible	Evidence
3.3.1	<p>Provide an ongoing training program to appropriate Administrative Computing Services staff that offers technical and programming skills, offers techniques to provide new and improved ways for organizing and presenting data to appropriate district staff, and offers the opportunity to attend state PEIMS update sessions.</p> <p>LRPT Correlates: AS02 AS03 AS08 EP07</p>	2004-05 2005-06 2006-07	Director of Computing Services	<p>District staff development records reflect training offered and attended</p> <p>District travel records reflect travel by appropriate personnel to state PEIMS update sessions</p>
3.3.2	<p>Provide an ongoing training program to appropriate experienced campus staff to include understanding for decreasing the error count on PEIMS transactions and for building and editing their own records, to newly hired campus staff to also include basic district PEIMS procedures, to principals to utilize appropriate data for district curriculum assessments (to improve instruction), and to campus nurses to maintain immunization records electronically to produce state and federally mandated health, immunization, and screening reports.</p> <p>LRPT Correlates: AS02 AS03 AS08 EP07 TL11</p>	2004-05 2005-06 2006-07	<p>Director of Computing Services</p> <p>Computing Services Staff</p>	<p>District staff development records reflecting training offered and attended</p>

Objective 3.4: Continue to monitor and update the technology plan.

LRPT Category: Administration and Support Services

E-Rate Correlates: ER01

NCLB Correlates: 11

Strategies		Timeline	Person(s) Responsible	Evidence
3.4.1	Annually review the “Evidence of Completion” as listed in the “Goals, Objectives, and Strategies” section for the four identified goals of the district E-Plan. LRPT Correlates: AS01 AS02 EP13 EP14 I01 I03 I09 I13 TL09 TL19	2004-05 2005-06 2006-07	Director of Educational Technology D.I.G.I.T. Committee	Evidence of completion check list
3.4.2	Annually modify the E-Plan based on assessment of “Evidence of Completion,” new district priorities/needs, emerging technologies, and committee findings/recommendations. LRPT Correlates: AS01 AS02 EP13 EP14 I01 I03 I09 I13 TL09 TL19	2004-05 2005-06 2006-07	Director of Educational Technology D.I.G.I.T. Committee	Document listing / delineating modifications and updates or new updated district technology plan

Objective 3.5: Continue to evaluate and subscribe to maintenance agreements for updates and enhancements for district software.

LRPT Category: Administration and Support Services

E-Rate Correlates: ER01

NCLB Correlates: 12

Strategies		Timeline	Person(s) Responsible	Evidence
3.5.1	Provide updates for administrative applications such as CIMS, SASI, PEIMS, etc. to maintain compliance with reporting procedures required by TEA. LRPT Correlates: AS03	2004-05 2005-06 2006-07	Director of Computing Services	Updates are documented
3.5.2	Standardize applications and operating systems on district wide computers. LRPT Correlates: AS01	2004-05 2005-06	Director of Network Services Director of Computing Services	Standardization has occurred

Goal 4: INFRASTRUCTURE FOR TECHNOLOGY - District staff and students will have access to an infrastructure for technology that augments/supports the instructional and administrative goals of the district.

Objective 4.1: Provide access to appropriately configured workstations and peripherals for all district users.

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03 05

Strategies		Timeline	Person(s) Responsible	Evidence
4.1.1	<p>Implement a process for collecting data about all district PC's by: (a) Researching products that will electronically gather data on PC's and select one to match district needs (considering cost and information provided) (b) Gathering information utilizing selected product (c) Analyzing data to determine functional specifications on computers in district and allocation by site.</p> <p>LRPT Correlates: AS02 AS03 I03 I07</p>	2004-05	<p>Director of Network Services</p> <p>Director of Educational Technology</p>	Documents showing collected / summarized data
4.1.2	<p>Replace student PC's and related peripherals and teacher PC's by utilizing a system devised to take into consideration budget availability, StaR Chart recommendations, and district needs: (a) Purchase general student and library computers on a five-year cycle to reach the 9:1 student-to-computer ratio recommended in the StaR Chart--Developing Tech (approximately 3,000 computers per year) (b) Purchase teacher computers on a five-year cycle to reach the 1:1 teacher-to-computer ratio recommended in the StaR Chart--Developing Tech (replacement of 750 – 850, CPU's per year) (c) Improve classroom-printing capabilities to meet StaR Chart Developing Tech Standards (one network printer to serve every six classrooms--approximately 667 new printers) (d) For high school mathematics and science, purchase computers to meet StaR Chart Advanced and Target Tech Standards and install mounted projection systems in high school math/science classrooms to benefit students by making it easier to clearly see numbers and formulas essential to math and science. (e) Purchase computers and probeware for science labs not in the recent upgrade schedule (f) Increase computers and printers in the classroom in support of programs that have technology integrated into the curriculum (g) Investigate cost/feasibility of upgrading all district PC's to the latest stable version of the Windows operating system for management and consistency.</p> <p>LRPT Correlates: I03 I06 I07 I14</p>	2004-05 2005-06 2006-07	<p>Director of Network Services</p> <p>Director of Educational Technology</p>	Phased purchasing plan document with checklist for completed purchases and years

Strategies		Timeline	Person(s) Responsible	Evidence
4.1.3	<p>Coordinate with Facilities on electrical matters to insure (a) Electricity is upgraded at each campus as necessary to meet increased electrical demand of technology improvements (7 computer devices of 4 amps each per classroom) (b) Scheduling of computer deployment coincides with the electrical infrastructure being in place to accommodate the additional computers (c) Design of new schools includes network capabilities that meet current and projected tech needs.</p> <p>LRPT Correlates: I01 I02 I07 I14</p>	<p>2004-05 2005-06 2006-07</p>	<p>Director of Network Services</p> <p>Director of Maintenance</p>	<p>Contract with electrical company</p> <p>Electrical upgrades complete</p> <p>New school plans include electricity for tech needs</p>

Objective 4.2: Maintain an appropriate network infrastructure within available funding limits.

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01
NCLB Correlates: 05 12

Strategies		Timeline	Person(s) Responsible	Evidence
4.2.1	<p>Upgrade the existing network: (a) Purchase hardware to meet STaR Chart recommendations (Developing Tech) for server replacement (4-year replacement cycle for servers and 5-year replacement cycle for related network gear [switches, routers, power systems]) (b) Investigate a phone system upgrade that would allow the district to install telephone service utilizing the district's network infrastructure (Voice over IP).</p> <p>LRPT Correlates: I02 I14</p>	<p>2004-05 2005-06 2006-07</p>	<p>Director of Network Services</p>	<p>STaR Chart self-assessment shows Developing Tech level achieved for server replacement</p> <p>Report on phone system</p>
4.2.2	<p>Upgrade server software to improve operation in the following areas: (a) Improve desktop management capabilities by providing the ability to restore a desktop to its original state and by having the ability to manage desktops from a central location (b) Maintain up-to-date virus protection on servers and gateways (c) Move to Windows Active Directory.</p> <p>LRPT Correlates: I02 I14</p>	<p>2004-05 2005-06 2006-07</p>	<p>Director of Network Services</p>	<p>Restorative software is on desktops</p> <p>Virus protection is up-to-date</p> <p>Windows Active Directory in place</p>
4.2.3	<p>Improve connectivity and speed of access by (a) Increasing the district's wide area network (WAN) capabilities from 1 gigabit to 2 or 3 gigabits of data, voice and video service for each campus location (Advance Tech rating on the STaR chart) (b) Continuing the project to extend Cabling/Switches for CPU's to provide one connection per device in all labs and five to seven network connections per classroom (c) Providing connectivity to the Portable Buildings for the annual moves (d) Continuing to match Internet access capability to infrastructure improvements.</p> <p>LRPT Correlates: I02 I10 I14</p>	<p>2004-05 2005-06 2006-07</p>	<p>Director of Network Services</p>	<p>Self assessment shows Advanced Tech level on STaR Chart for WAN capability</p> <p>Survey completed showing only 1 device per connection in the district</p> <p>Portable buildings connected</p>
4.2.4	<p>Develop plan for comprehensive network redundancy.</p> <p>LRPT Correlates: I02 I14</p>	<p>2005-06</p>	<p>Director of Network Services</p>	<p>Redundancy plan</p>

Objective 4.3: Prepare for disaster recovery.

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 12

Strategies		Timeline	Person(s) Responsible	Evidence
4.3.1	<p>At the Campus Level make improvements in MDF's/IDF's per StaR Chart (Advanced Tech) to include: (a) Connectivity, security, air conditioning, and electricity (b) Establishment of size of all MDF's (minimum of 4' by 6') (c) Establishment of temperature of MDF room (no greater than 72 degrees 24/7 as required by technology hardware manufactures) (d) Establishment of security of MDF's (locking mechanism with pass card) (e) Establishment of size of all IDF's (minimum of 2' by 3') (f) Establishment of electrical standard for MDF/IDF's (Two, 20-amp circuits and one 30-amp circuit installed per MDF/IDF, depending upon equipment requirements.</p> <p>LRPT Correlates: I02 I10 I14</p>	2004-05	Director of Network Services	Self assessment on STaR Chart shows Advanced Tech level for this area
4.3.2	<p>At the district level provide for the following: (a) Analyzing current backup procedures (b) Upgrading of software, connectivity, security, air conditioning, and electricity as necessary (c) Providing locking mechanism with pass card (d) Consolidating servers to the Administration building, leaving switches on campus (e) Selecting and securing an off site area as a lock safe for backup tapes (f) Running a mock simulation for the CIMS financial system on Hotsite location in Austin.</p> <p>LRPT Correlates: I02 I10 I14</p>	2004-05	Director of Network Services	Disaster procedures / upgrades are in place

Objective 4.4: Evaluate and pilot existing and emerging technologies.

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 02 03 06 08 10 12

Strategies		Timeline	Person(s) Responsible	Evidence
4.4.1	<p>Conduct a pilot program in distance learning to include (a) Forming a district Distance Learning Steering Committee (b) Developing a core group of district distance learning teachers through the Region 4 training program (c) Investigating new possibilities that will become evident as a result of information gleaned from pilot.</p> <p>LRPT Correlates: I01 TL16 TL20</p>	2004-05	<p>Director of Network Services</p> <p>Director of Educational Technology</p> <p>Director of Curriculum</p> <p>Director of Staff Development</p>	Pilot implemented
4.4.2	<p>Evaluate wireless feasibility (a) Develop curriculum plan for wireless technology pilot (b) Conduct pilot (c) Assess successes and failures of wireless pilot in relation to student achievement (d) Assess data security issues related to wireless pilot.</p> <p>LRPT Correlates: I10 TL20</p>	2004-05	<p>Director of Network Services</p> <p>Director of Educational Technology</p>	<p>Pilot implemented</p> <p>Documents evaluating program and data security</p>
4.4.3	<p>Implement VPN (Virtual Private Network) for secure access from remote sites (teacher homes) for district applications to include grade book and special education management software.</p> <p>LRPT Correlates: AS03 I01 TL20</p>	2004-05	<p>Director of Network Services</p> <p>Director of Computing Services</p>	<p>Grade book and Special Education software accessible from anywhere (home)</p>

Objective 4.5: Institute security policies and procedures to protect district network and data resources.

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 01 12

Strategies		Timeline	Person(s) Responsible	Evidence
4.5.1	Develop effective technology security policies with a routine checking component (monitoring). LRPT Correlates: I01	2004-05 2005-06	Director of Network Services	Security policies in place
4.5.2	Contract with external impartial expert to conduct security audit. LRPT Correlates: I01	2004-05 2005-06 2006-07	Director of Network Services	External audit completed
4.5.3	Insure that users are aware of basic security features by (a) Training students and staff in the AUP guidelines and policies (b) Updating and educating users on effective technology security policies and procedures. LRPT Correlates: EP13 I01	2004-05 2005-06 2006-07	Director of Educational Technology Coordinator of Library Services Director of Network Services	Documented in lessons (a) Records of attendance (a&b)
4.5.4	Review the number of persons with Administrator rights with system level access and revise as per established network protocol. LRPT Correlates: I01	2004-05	Director of Network Services	List showing all district personnel with administrative rights and showing recommendations for modification based on established network protocol
4.5.5	Implement the security recommendations suggested in the district Bind View Security Report. LRPT Correlates: I01	2004-05 2005-06	Director of Network Services	Checklist of recommendations shows completion

Objective 4.6: Provide training for technical staff to prepare them for the maintenance of current technologies and for the implementation of new technologies and new product versions.

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER02

NCLB Correlates: 04b

Strategies		Timeline	Person(s) Responsible	Evidence
4.6.1	Identify vendor who will offer multilevel courses for technical staff. LRPT Correlates: EP08 I01	2004-05	Director of Network Services	Vendor identified Courses scheduled
4.6.2	Implement the "MicroSoft Brown Bag" technical discussions program for FBISD technical staff. LRPT Correlates: EP08 I01	2004-05 2005-06 2006-07	Director of Network Services	Brown Bag sessions scheduled
4.6.3	Annually survey technical staff in order to determine and respond to their training needs. LRPT Correlates: EP08 I01	2004-05 2005-06 2006-07	Director of Network Services	Surveys completed Staff development records of training and attendance
4.6.4	Insure that technical staff have the needed resources and equipment (laptops, resource materials, software CD's) to maximize their contribution. LRPT Correlates: I01 I07	2004-05 2005-06 2006-07	Director of Network Services	Surveys of technology staff reflecting feelings about having necessary equipment for job

EVALUATION

Evaluation Process:

The District Design Input Group for Information Technology (DIGIT) Committee will monitor and evaluate progress on the implementation of the technology plan on an annual basis. The committee will report findings to the Associate Superintendent of Technology. Findings will be published online in the Technology Division newsletter (Tech Sketch).

Evaluation Method:

Evaluation will be both qualitative and quantitative. The DIGIT Committee will evaluate the effectiveness of the implementation of the technology plan through the “Evidence of Completion” as listed in the “Goals, Objectives, and Strategies” section for the four identified goals of the district E-Plan. Questions to ask about each stated “Evidence of Completion” component include: Does the evidence exist? What % of completion is seen? Is the timeline being followed?

In addition the committee will evaluate implementation focusing on the five areas below by utilizing the listed strategies and instruments:

- o Integrating technology in curriculum and instruction
 - Student assessment tests of Technology Applications TEKS benchmarks
 - Student work (portfolios, products)
 - StaR Chart self-assessment.

- o Increasing the ability of teachers to teach
 - Records of individual teacher participation in prescriptive staff development.
 - Trends by campus for participation in staff development.
 - Classroom observation of teachers in the use of technology in the classroom
 - Teacher self-assessment (through survey) of progress made.

- o Enabling students to meet challenging state academic standards
 - Data accessibility for principals to utilize to improve instruction
 - Test results.

- o Acquiring and employing technologies and telecommunications services
 - StaR Chart self-assessment
 - Technology purchasing records.

- o Meeting timelines for implementation
 - Chart showing overall plan timeline with degree(s) of completion for each section
 - StaR Chart self-assessment.