

BOYD ISD Technology Plan for E-Rate Year
2010 - 2013

Gregory Stone
SUPERINTENDENT

DISTRICT PROFILE

ESC Region: 11
City, State Zip: BOYD, TX 76023-3608
Phone: (940) 433-2327
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Number of Campuses: 4
Total Student Enrollment: 1038
District Size: 1,000 - 1,599
Percent Econ. Disadvantaged: 41.43%

Technology Expenditures: \$857,580.00
- Teaching and Learning Budget: \$158,750.00
- Educator Preparation and Development Budget: \$80,600.00
- Leadership, Administration and Support Budget: \$194,480.00
- Infrastructure for Technology Budget: \$423,750.00

Technology Expenditure Per Pupil: \$826.18
Number of Campuses with Direct Connection to Internet: 4
Percentage of Campuses with Direct Connection to Internet: 100.00%
Number of Classrooms with Direct Connection to Internet: 90
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: 4
Percentage of campuses that have completed the Texas Campus STaR Chart: 100.00 %

PLAN INTRODUCTION

Plan Last Edited: 12/12/2008

This is an Updated plan. The plan editor entered these comments about the changes since last year's plan: We simply moved some objectives from from one stage to the next, i.e. planned to in progress.

Technology Planning Committee:

Being a small district we use our District Advisory Committee as our Technology Planning Committee. This helps since many of the decisions made regarding professional development in technology must align to our district goals as well. The members are:

Gregory Stone, Superintendent

Furman Clark, Elementary Principal

Lynne Thomas, Elementary Teacher

Paula Nichols, Elementary Teacher

Anke Bracey, Intermediate Principal

Melody Richardson, Intermediate Teacher

Dana McCune, Intermediate Teacher

Shawn Bryans, Middle School Principal

Ken Mitchell, Middle School Teacher

Sarah Raj, Middle School Teacher

Jack Williams, High School Principal

Donald Scott, High School Teacher

Jesse Woolery, High School Teacher

Diane Russell, High School Counselor

Barbara Stice, District Representative

Tammi Thomas, Parent Representative

Rhonda McMurray, Parent Representative

Harry Lamance, Community Representative

Judy Wilson, Business Representative

EXECUTIVE SUMMARY

Boyd ISD first began implementing a vision and subsequently a technology plan in 1996. With the issuance of the first TIF grants we had to revise and expand our technology plan and have continued this development ever since. This Long-Range Technology Plan has been prepared to articulate a common vision for technology in the district and identify the strategies that will help us use advanced technology to improve the academic achievement, including technology literacy, of all students of rigorous curriculum standards and the development of critical thinking skills that are essential for academic and workplace success and build the capacity of all teachers to integrate technology effectively into curriculum and instruction. We realize that effective technology plans are a combination of short term implementation and long term vision and evaluation. A technology plan is a working document, which is still in the process of development. The need for a “living” document, which is revised on an annual or semi-annual basis, makes sense because technology is ever changing and plans cannot remain static if they are to provide appropriate direction. Effective technology plans focus on learning needs and applications, not on technology.

We have been providing and will continue to provide the necessary infrastructure and administrative support to make technology a useful tool.

Background

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

- A review of the literature to identify best practices
- A survey of school site hardware and instructional media.
- A survey of teachers.

- A survey of administrators
- Interviews with site and district administrators and representatives from the Boyd ISD community.
- School site meetings
- Other districts technology plans
- Experience from other school districts.
- Other

Parameters

This Long-Range Technology Plan is driven by the state curriculum standards and supports the educational mission and instructional goals of Boyd ISD and by the No Child Left Behind, Act of 2001. Specific attention is given to addressing student standards for technology as defined by the Technology Applications Texas Essential Knowledge and Skills (TEKS), required in the Texas Education Code, Section 28.002. The Technology Applications TEKS found in 19 TAC Chapter 126 describe what students should know and be able to do using technology. As a part of the enrichment curriculum, these TEKS are to be used as guidelines for providing instruction. The goal of the Technology Applications TEKS is for students to gain technology-based knowledge and skills and to apply them to all curriculum areas at all grade levels.

The plan stresses the importance of ongoing and sustained staff development in the integration of technology into the curriculum for teachers, principals, administrators, and school library media personnel to further the effective use of technology in the classroom or library media center. It also is consistent with the recommendations for LEAs as defined by the Texas Long-Range Plan for Technology in the areas of Teaching and Learning, Educator Preparation and Development, Administration and Support Services, and Infrastructure for Technology, as well as the e-rate applications guidelines, and other state standards, such as the newly adopted Technology Applications Standards for Beginning Teachers.

Vision Statement

The Boyd Independent School District Technology Plan will be implemented in a way that:

- ensures that curriculum and instructional goals remain as the driving force for technology infusion and that technology is seamlessly integrated into all curriculum areas,
- ensures that students and staff are afforded opportunities to learn the technological skills necessary to access, manipulate, utilize, communicate and publish information by participating in learning activities such as researching knowledge webs from the holdings of diverse libraries and on-line publications, communicating and sharing data with scientists and other experts in the field, investigating virtual worlds or authoring multimedia presentations or web pages,
- provides substantially equal access for students throughout the district to all required technology related courses of study and to information resources providing enrichment through the application of computers and other emerging technology;
- provides substantially equal access for teachers and administrators to teaching tools of high quality, to efficient management systems, and to instruction in using technology in the classroom; utilizes, in an efficient and productive manner, current technology applications such as the inter- and intranet, telecommunication, virtual relationships, CD-ROM, interactive video disc, and digital imaging devices; provides opportunities for students to make intelligent choices associated with normal business and personal needs; and provides opportunities for students to make responsible decisions associated with social and legal uses of technology.

In this way, students, teachers, administrators, and the community can effectively utilize technology as a tool for finding information, learning, and communicating with others.

The Boyd Independent School District believes that technology, appropriately applied, will support our students in developing their maximum intellectual potential, personal and social responsibility, and in mastering essential knowledge and skills in preparation for their working lives. Further, as technology permeates society and the rate of technological change accelerates, concerns of

relevancy demand that technology play a greater role in preparing students to access and effectively use information. Exciting innovations in technology and in the use of technology in education hold promise for increasingly significant and positive impact.

In order for this promise to be realized, current technologies such as inter and intranet connections, distance learning through two-way video conferencing, digital imaging devices, multimedia authoring tools which produce web pages, virtual relationships, electronic chalkboards, wireless systems, video presentations, and interactive programs, as well as networked classroom computer systems, must be effectively utilized for maximizing instructional benefits for all students and staff.

NEEDS ASSESSMENT

Assessment Process: Boyd Independent School District is a rural district on the outskirts of the Dallas-Ft. Worth metropolitan area. The school district was established in the late 1800's as a means to provide a quality, public education for the students within the Boyd area. What began as a one room school has grown to four campuses, an elementary, intermediate, middle, and high school, which serve over 1,000 PreK-12th grade students with approximately 100 faculty members. The faculty, staff, and school board are committed to providing a quality education for all students within the Boyd ISD area.

Needs Assessment

A comprehensive needs assessment, much like a good technology plan is an on-going process. Boyd's needs assessment utilizing teacher, student, and community surveys, interviews, inventories and the Texas Campus STaR Chart was conducted to analyze the current status of technology in the district and will continue, in order to determine future needs. Items analyzed included: infrastructure, hardware, software, programs, courses, student achievement, technology resources, staff development, and technical support. Each of these will continue to be analyzed by the Technology Committee to see how they will need to be adjusted to fit within the Boyd ISD Site-Based Plan. Findings from this needs analysis are as follows.

Existing Conditions:

Current Situation

The following technology is currently in place:

District-Wide

- Direct connection to the Internet via 2 - T1 leased lines.
- LAN with fiber in place which connects back to the T1 leased lines.
- District servers in place providing district information and student work.
- Written policies in place on acceptable use of the Internet, World Wide Web content, and equipment donations.
- Distance learning lab available for students, staff, and community members with a separate T1 leased line and a rolling distance learning lab for electronic field trips.
- A web presence for helping to communicate with the community, including access to grades and attendance.
- Each professional staff member has an e-mail account.
- * Technology training for teachers and staff is available weekly, and sometimes bi-weekly.
- * Online reporting exists for technology problems, staff development, and various forms.
- * Technology classes are offered after school weekly and sometimes bi-weekly for all staff.
- * A phone system is provided with local and long distance services and a voice mailbox for each employee. There are metro lines so that we may call the Dallas-Ft. Worth area and a 1-800 number so that parents who work outside of our lata may call during school hours.

BOYD High School

- Shared direct connection to the Internet via T1 leased lines.
- Web pages maintained by the students and teachers with high school information and projects.

- Fiber-backbone, with 10/100/1000 Mbps connections to the desktop and computer labs.
- Networked online card catalog, Internet access, databases formerly known as Texas Library Connection, and automated checkout in the library.
- Two network drops in every classroom.
- Two teaching labs
- Two ten station labs in the library.
- CPS System for classroom check-out.
- Computer projectors for classroom checkout.

BOYD Middle School

- Shared direct connection to the Internet via T1 leased lines.
- Web pages are built at the campus with middle school information and projects.
- Fiber-backbone, Ethernet-to-the-desktop connected computers and computer labs.
- Networked online card catalog, Internet access, databases formerly known as Texas Library Connection, and automated checkout in the library.
- Two network drops in every classroom.
- Two teaching labs and one stand-a-lone lab.
- CPS System for classroom check-out.
- Computer projectors for classroom checkout.

BOYD Intermediate Campus

- Shared direct connection to the Internet via T1 leased lines.
- Two network drops in every classroom.
- Web pages are built at the campus with intermediate school information and projects.
- Computer projectors for classroom checkout.
- There are two networked computer labs with a full-time teaching assistant in each, to aid the staff in technology implementation and training.
- Networked online card catalog, Internet access, databases formerly known as Texas Library Connection, and automated checkout in the library.
- CPS System for classroom check-out.

BOYD Elementary Campus

- Shared direct connection to the Internet via T1 leased lines.
- Two network drops in every classroom.
- Computer projectors for classroom checkout.
- There are two portable networked computer labs with a full-time teaching assistant to aid the staff in technology implementation and training.
- Networked online card catalog, Internet access, databases formerly known as Texas Library Connection, and automated checkout in the library.
- CPS System for classroom check-out.

Telecommunications Services

Currently, all students and staff members in the school district have access to the Internet, through a direct connection (as cited above in the Statement of Existing Conditions). LANs are in place on every campus that houses more than 20 students. In addition to our internet connection we also have in place a phone system which allows us to provide voice mail for each employee. While we do not have a phone in each classroom at this time we do have multiple phones at each campus and we are investigating the possibility of placing phones in the classrooms in the future.

Inventory

The latest inventory of current technology available for student use in BOYD ISD as of October, 2006 is given below. Only current, those that can run instructional programs and are in use are listed as student computers. The list does not include administrative computers or file servers and each is given as student to computer ratios.

Elementary has a ratio of 3/1
Intermediate has a ratio of 3/1
Middle has a ratio of 3/1
High has a ratio of 4/1

Technology Needs:

The following needs are identified after analyzing the information gathered from meetings, STaR Chart, interviews, inventories, etc. Using the STaR Chart terminology we are at the developing stages. Boyd ISD needs to devise or purchase a means for measuring the technological competencies of our staff and students. We need to continue to integrate technology into our instruction. There is a need for implementation of an ongoing professional development program in technology including ways to integrate technology into the curriculum. New equipment must be purchased to achieve the integration of technology into the curriculum. Teachers and administrators must be held accountable for integrating technology into the instructional process. We must increase communication with parents and other community members. By implementing all of these things over the next three years and beyond, our students will benefit from technology within the schools.

GOALS, OBJECTIVES, AND STRATEGIES

Goal 1: Teaching and Learning—To utilize technology as a tool to improve student academic achievement, curriculum integration, increased accessibility and teacher effectiveness.

Objective 1.1: We will strive to have 100% of our students achieve technology proficiency and academic success for lifelong learning.

Budget for this objective: \$34,100.00
LRPT Category: Teaching and Learning
E-Rate Correlates: ER01
NCLB Correlates: 01 02 08 11

Strategy 1.1.1: Provide technology integrated subject lessons.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Teachers, Principals, Campus Technologists
Evidence: Lesson Plans, observations
Comments:
LRPT Correlates: TL05, TL06, TL09

Strategy 1.1.2: Students will use age appropriate technology to do research, solve problems, analyze data and communicate with others.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Teachers, Principals, Campus Technologists
Evidence: Lesson Plans, observations, exams, and portfolios
Comments:
LRPT Correlates: LAS01, TL01, TL04, TL06, TL08, TL09, TL15

Strategy 1.1.3: Develop or purchase and administer an authentic performance based assessment of technology application TEKS grades K-8

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Counselors, Principals, Campus Technologists, Technology Director

Evidence: Reports and data from assessment

Comments:

LRPT Correlates: TL01, TL05, TL06, TL09, TL10, TL11, TL13

Strategy 1.1.4: Continue to increase the number of students participating in distance learning.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Counselors, Principals

Evidence: Enrollment Figures, Credits earned

Comments:

LRPT Correlates: TL05, TL06, TL09, TL15

Objective 1.2: We will strive to have 100% of our teachers integrating technology into instruction.

Budget for this objective: \$10,850.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 07 11

Strategy 1.2.1: A technology integration assessment/survey for all teachers will be developed and administered.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Teachers, Principals, Campus Technologists

Evidence: Survey results

Comments:

LRPT Correlates: TL06, TL14

Strategy 1.2.2: All teachers will develop and present curriculum integration activities in the classrooms

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Teachers, Principals, Campus Technologists

Evidence: Lesson Plans, observations

Comments:

LRPT Correlates: EP05, I08, TL01, TL04, TL07, TL08, TL09, TL11

Strategy 1.2.3: Technology Integration will be part of the Campus Plans

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Campus Committees

Evidence: Campus Plans

Comments:

LRPT Correlates: I01, LAS01, TL06

Strategy 1.2.4: Existing and new software programs will be assessed carefully to see their impact on the curriculum and student achievement.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Teachers, Principals, Campus Technologists, Campus Committees

Evidence: Formal report, Survey results, Minutes from Meetings

Comments:

LRPT Correlates: LAS02, TL09

Objective 1.3: Increased accessibility and innovations to high-quality age appropriate technology for staff and students.

Budget for this objective: \$71,300.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 02 03 04a 08 12

Strategy 1.3.1: Provide adaptive hardware and software where appropriate.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Teachers, Principals, Special Education Co-Op.

Evidence: IEP Reports

Comments:

LRPT Correlates:

Strategy 1.3.2: All teachers will have access to resources for developing and implementing technology based lessons aligned to Technology Applications and TEKS.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Principals, Campus Technologists, Counselors

Evidence: Inventory, Records, Course Catalog

Comments:

LRPT Correlates: TL02, TL06, TL07

Strategy 1.3.3: Evaluate and expand existing hardware and computer labs.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Teachers, Campus Technologists, Principals

Evidence: Inventory, Records

Comments:

LRPT Correlates: I04, I05

Strategy 1.3.4: Students and staff will use technology to enhance curriculum activities (video streaming, CPS, presentation stations, multimedia stations, etc.), which will provide all students a differentiated and engaging mode of learning.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Teachers, Principals, Campus Technologists

Evidence: Survey results, Lesson plans, Records
Comments:
LRPT Correlates: I02, I07, TL15

Objective 1.4: Technology will be used for administration, management, and communication purposes to enhance the teaching and learning process.

Budget for this objective: \$42,500.00
LRPT Category: Teaching and Learning
E-Rate Correlates: ER01 ER02
NCLB Correlates: 01 02 09 11 12

Strategy 1.4.1: Teachers will use electronic reporting of grades and attendance at all campuses to assess student performance and assist in instructional planning.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Principals
Evidence: Periodic Reports, Student Information Systems, Campus Plans
Comments:
LRPT Correlates: I09, LAS02, TL12

Strategy 1.4.2: Teachers will communicate with colleagues, administrators, students, parents, and the community via e-mail and web pages and other electronic means.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Principals, Campus Technologists
Evidence: Random checks of e-mails and web pages.
Comments:
LRPT Correlates: I09, LAS03, LAS04, TL02, TL07

Strategy 1.4.3: Utilize library automation software in conjunction with library databases to enhance research and instruction.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Teachers, Principals, Librarians
Evidence: Inventory records, Database entries
Comments:
LRPT Correlates: EP05, EP09, I01, LAS01, TL14

Goal 2: Educator Preparation and Development—Improve the ability of all educators to effectively integrate technology into the curriculum while achieving technology proficiencies.

Objective 2.1: A long term, meaningful staff development plan will be developed and implemented.

Budget for this objective: \$29,450.00
LRPT Category: Educator Preparation and Development
E-Rate Correlates: ER02
NCLB Correlates: 04a 04b

Strategy 2.1.1: A committee will be formed, in conjunction with the district committee, to evaluate and recommend technology staff development.

State: Original

Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Superintendent, Principals
Evidence: Records, District Plan, Assessments, Surveys
Comments:
LRPT Correlates: EP01, EP03, EP07, LAS02, LAS03, LAS06, TL02, TL05

Strategy 2.1.2: A minimum of one day of in-service training will be devoted to technology professional development each year.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Superintendent, Principals, District Committee
Evidence: Records, In-service calendar
Comments:
LRPT Correlates: EP01, EP02, EP03, EP08, TL02

Strategy 2.1.3: Where appropriate, professional development will be provided through the Distance Learning Lab or other electronic means.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Principals, Teachers, Campus Technologists
Evidence: Records, Attendance Sheets
Comments:
LRPT Correlates:

Strategy 2.1.4: Workshop training and teacher competency testing will be offered to all staff through the ESC and/or locally.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Superintendent, Business Manager, Technology Director, Principals
Evidence: Records, Attendance Sheets
Comments:
LRPT Correlates: EP03, EP05, EP07, TL02, TL04

Objective 2.2: All staff will be expected to achieve standard levels of proficiency in the use of district technology.

Budget for this objective: \$29,450.00
LRPT Category: Educator Preparation and Development
E-Rate Correlates: ER01 ER02
NCLB Correlates: 04b 11 12

Strategy 2.2.1: The district will develop or purchase a tool for assessment of technology competencies.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Superintendent, Principals, Technology Director
Evidence: Tool, Database of assessment
Comments:
LRPT Correlates: EP07

Strategy 2.2.2: The district will develop standards in technology skills at or above SBEC standards for all job categories.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Superintendent, Principals, Technology Director

Evidence: Records

Comments:

LRPT Correlates: EP08, LAS12, TL02, TL14

Strategy 2.2.3: All staff will be expected to complete an assessment showing their level of technology proficiency.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Superintendent, Principals

Evidence: Records

Comments:

LRPT Correlates: EP07, TL02

Strategy 2.2.4: On-line course offering will be reviewed and if appropriate offered to staff.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Principals, Campus Technologists, Technology Director

Evidence: Records, Course Certificates

Comments:

LRPT Correlates: EP03, EP05, TL04

Strategy 2.2.5: Technology staff will attend training to acquire/maintain skill levels to aid the instructional staff.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Technology Director

Evidence: Records

Comments:

LRPT Correlates: LAS07

Objective 2.3: 100% of instructional staff will be expected to implement and teach the Technology Application TEKS in conjunction with the integrated technology requirements in the core curriculum TEKS.

Budget for this objective: \$21,700.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 01 02 03 04a 04b 07 11

Strategy 2.3.1: Offer staff development courses for teachers and librarians that focus on preparing teachers to integrate technology into their subject area.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Principals
Evidence: Records of Attendance
Comments:
LRPT Correlates: EP07, TL02

Strategy 2.3.2: Continue offering technology training to teachers and librarians.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Principals, Campus Technologists
Evidence: Records of Attendance
Comments:
LRPT Correlates: EP01, EP03, EP07

Strategy 2.3.3: Administrators will evaluate staff in accordance with or at a level above PDAS and SBEC standards.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Principals, Superintendent
Evidence: Records, PDAS, STaR Chart
Comments:
LRPT Correlates: EP05, EP08, LAS01, LAS03, TL02, TL11

Goal 3: Administration and Support—Provides visionary leadership which integrates technology into the curriculum, improves the quality of communication, and uses data-driven decision making.

Objective 3.1: Educational leaders will communicate a shared vision for integration of technology into the school environment.

Budget for this objective: \$3,250.00
LRPT Category: Leadership, Administration and Support
E-Rate Correlates: ER01 ER02
NCLB Correlates: 04b 08 09

Strategy 3.1.1: Formulate and implement a shared vision that clearly defines expectations for technology use.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Administrators, Campus Technologists, Campus Committees, Technology Committee
Evidence: Increased use of technology
Comments:
LRPT Correlates: LAS01, LAS03, LAS04, LAS10

Strategy 3.1.2: Advocate continuous implementation and innovation of technology.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Administrators, Campus Technologists
Evidence: Increased use of technology, especially in content areas.
Comments:

LRPT Correlates: LAS01

Strategy 3.1.3: Create a method of sharing best practices for technology integration.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Principals, Campus Technologists

Evidence: Time for sharing ideas and lessons will be built into faculty meetings, training sessions, and/or department meetings.

Comments:

LRPT Correlates: EP03, EP05, EP09, LAS01, LAS14, LAS15, TL02, TL07

Strategy 3.1.4: District and Campus plans will have goals for implementing technology integration.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Administrators, Committees

Evidence: Campus and District Plans

Comments:

LRPT Correlates: LAS01

Objective 3.2: Educational leaders will model the use of technology to enhance their professional practice and to increase their own productivity and that of others.

Budget for this objective: \$59,030.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01 ER02

NCLB Correlates: 07

Strategy 3.2.1: Utilize Office and other productivity software to enhance presentations and meetings.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Administrators

Evidence: Administrators, teachers, and students usage.

Comments:

LRPT Correlates: EP09

Strategy 3.2.2: Maintain awareness of emerging technologies and their application to education.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Administrators

Evidence: Administrators will have opportunities to attend technology conferences and training sessions and read periodicals on technologies.

Comments:

LRPT Correlates: EP09, LAS08, LAS11, LAS13, TL11

Strategy 3.2.3: Maintain business software and services.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Business Manager

Evidence: Records, Reports
Comments:
LRPT Correlates:

Objective 3.3: Educational leaders will implement teaching and learning that maximizes the integration of technology.

Budget for this objective: \$21,700.00
LRPT Category: Leadership, Administration and Support
E-Rate Correlates: ER01 ER02
NCLB Correlates: 01 02 04a 04b 07

Strategy 3.3.1: Plan a variety of staff development opportunities for staff to learn new ways to implement technology.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Principals, Committees
Evidence: Records, Expanded use of technology in the classroom.
Comments:
LRPT Correlates: EP03, EP07, LAS02

Strategy 3.3.2: Use technology to enhance instruction, improve academic achievement, and support TEKS-based curriculum.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Principals, Teachers
Evidence: Lesson Plans, Records
Comments:
LRPT Correlates: LAS01, LAS02, TL01, TL05, TL07, TL08, TL09

Strategy 3.3.3: Develop lessons that enhance and promote higher level thinking skills and differentiated instruction.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Principals, Teachers
Evidence: Lessons Plans, Records
Comments:
LRPT Correlates: LAS02, TL01

Objective 3.4: Educational leadership will have all campuses utilizing technology as a tool to access and maintain student records.

Budget for this objective: \$74,400.00
LRPT Category: Leadership, Administration and Support
E-Rate Correlates: ER02
NCLB Correlates: 04b 08 11

Strategy 3.4.1: All campuses will utilize an online grade book to maintain student grades and generate reports.

State: Original
Status: Planned
Timeline: 2010-2013

Person(s) Responsible: Principals, Teachers
Evidence: Records
Comments:
LRPT Correlates: LAS02, TL12

Strategy 3.4.2: All professional and support staff will receive training in administrative and support systems.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Administrators
Evidence: Records
Comments:
LRPT Correlates: EP06, LAS02, TL12

Strategy 3.4.3: All campuses will analyze AESIT or similar data to set campus goals and make decisions regarding student achievement.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Principals, Teachers, Committees
Evidence: Reports
Comments:
LRPT Correlates: EP06, LAS02, TL12

Strategy 3.4.4: Develop a plan for assessing students and staff technology skills. Use results to plan meaningful professional development.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Administrators
Evidence: Tool(s) that is/are developed.
Comments:
LRPT Correlates: EP06, EP07, TL01, TL02, TL10, TL11

Objective 3.5: All staff will be encouraged to utilize electronic and/or voice delivered information to communicate with other staff, parents, and community members as appropriate.

Budget for this objective: \$36,100.00
LRPT Category: Leadership, Administration and Support
E-Rate Correlates: ER01 ER02
NCLB Correlates: 09 10 12

Strategy 3.5.1: All staff will be encouraged to use e-mail, e-bulletins, e-newsletters and web pages to communicate classroom and campus activities.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Administrators, Teachers
Evidence: Reports, e-mails, web pages
Comments:
LRPT Correlates: LAS04, TL16

Strategy 3.5.2: Improve district and campus web pages to keep the community better informed.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Administrators, Teachers
Evidence: Records, Hits on website
Comments:
LRPT Correlates: I09, LAS09, LAS11

Strategy 3.5.3: Each campus will have a trained webmaster that is given time and/or compensation to update the campus web page on a daily basis.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Principals
Evidence: Schedule
Comments:
LRPT Correlates: I09

Strategy 3.5.4: All teachers will be trained in how to setup and maintain a class web page.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Principals, Campus Webmasters, Teachers
Evidence: Records, Web pages
Comments:
LRPT Correlates: I09

Strategy 3.5.5: A Technology Committee will meet regularly to evaluate the district Technology Plan and impact of technology on the district including recommendations for expanding technology.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Administrators
Evidence: Records
Comments:
LRPT Correlates: I01, I03, I08, LAS01, LAS02, LAS03, LAS04, LAS05, LAS07, TL09

Strategy 3.5.6: Library automation system will be maintained.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Librarian, Administrators
Evidence: Reports, Records
Comments:
LRPT Correlates: EP05

Strategy 3.5.7: A link will be placed on our district web page to GED and Adult Literacy programs offered in the county.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Webmaster
Evidence: Web page

Comments:
LRPT Correlates: I09

Goal 4: Infrastructure for Technology—Increase or maintain capability and stability of the LAN/WAN, user/computer ratio, electronic storage, and emerging technologies as appropriate.

Objective 4.1: Provide access to workstations in libraries, school offices, classrooms, labs and other work areas.

Budget for this objective: \$99,200.00
LRPT Category: Infrastructure for Technology
E-Rate Correlates: ER01
NCLB Correlates: 03 09 12

Strategy 4.1.1: Develop/execute a plan for acquiring, implementing, maintaining, replacing, repositioning, or disposing of technology on a regular basis.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Board, Superintendent, Committee
Evidence: Records, Inventory
Comments:
LRPT Correlates: I01, I04, I05, I06

Strategy 4.1.2: Maintain the student to workstation ratio of 4:1 at all campuses and strive to achieve a ratio of 1:1.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Board, Administrators, Committee
Evidence: Records
Comments:
LRPT Correlates: I04, I05

Strategy 4.1.3: Maintain and/or achieve a teacher to workstation ratio of 1:1 at all campuses.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Board, Administrators, Committee
Evidence: Records
Comments:
LRPT Correlates: I06

Strategy 4.1.4: Library automation system will be maintained with access by workstations all over the district.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Librarian, Administrators
Evidence: Reports, Records
Comments:
LRPT Correlates: EP05

Strategy 4.1.5: Add to the days that our library currently stays open for after-hours student and community use.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Administrators, Librarian

Evidence: Records

Comments:

LRPT Correlates: EP05, LAS01, LAS04

Objective 4.2: Provide a LAN/WAN structure that can accommodate all facets of the districts technology.

Budget for this objective: \$209,250.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01 ER02

NCLB Correlates: 03 05 06 08 09 12

Strategy 4.2.1: Maintain at least a T-1 connection to the internet and strive to have fiber or the equivalent.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Administrators

Evidence: Records

Comments:

LRPT Correlates:

Strategy 4.2.2: Maintain and/or achieve a connection of academic areas to the LAN/WAN.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Administrators

Evidence: Records

Comments:

LRPT Correlates: I01, I02

Strategy 4.2.3: Add switches, drops and patch panels as needed.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Administrators

Evidence: Records, Inventory

Comments:

LRPT Correlates: I01, I07

Strategy 4.2.4: The district and all campuses will establish and maintain interactive web pages and services.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Administrators, Webmasters

Evidence: Records, Web pages

Comments:

LRPT Correlates: I09, LAS04

Strategy 4.2.5: District will maintain a connection and an operational lab for Distance Learning.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Administrators

Evidence: Records, Distance Learning Lab usage

Comments:

LRPT Correlates: I02, TL15, TL16

Strategy 4.2.6: Continue to make available projection devices, interactive devices, scanners, digital cameras, etc. at each campus for instruction.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Administrators

Evidence: Inventory

Comments:

LRPT Correlates: I05, I07, TL04

Strategy 4.2.7: Maintain and increase expertise for technology staff to keep the infrastructure running at optimal conditions.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Technology Director

Evidence: Records

Comments:

LRPT Correlates: I02, I07

Strategy 4.2.8: Purchase hardware and software that will help with the management of records and the infrastructure.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Administrators

Evidence: Records, Inventory

Comments:

LRPT Correlates: I02, I07

Strategy 4.2.9: Maintain and/or increase the capacity of the phone system to help with communications, including the use of voice mail, trunk lines, direct inward dialing, PBX, high capacity services, digital services, phone messages, etc.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Administrators

Evidence: Records

Comments:

LRPT Correlates: I02, I09, LAS04

Objective 4.3: Provide a safe, secure, comprehensive information environment.

Budget for this objective: \$115,300.00
LRPT Category: Infrastructure for Technology
E-Rate Correlates: ER01
NCLB Correlates: 03 05 08 12

Strategy 4.3.1: All technology purchases will meet district standards to ensure compatibility, cost-effectiveness and efficient support.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Administrators
Evidence: Records
Comments:
LRPT Correlates: I01, I07

Strategy 4.3.2: Maintain an Internet filtering system.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Technology Director
Evidence: Records
Comments:
LRPT Correlates:

Strategy 4.3.3: Purchase hardware and/or software which will provide a firewall or other such protection from outside forces on our intranet.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Technology Director
Evidence: Inventory
Comments:
LRPT Correlates:

Strategy 4.3.4: Incorporate security procedures to prevent threats to BISD resources.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Administrators
Evidence: Records
Comments:
LRPT Correlates:

Strategy 4.3.5: Investigate the use of technology to increase physical security for BISD, such as security cameras, identification badges, automatic doors, etc.

State: Original
Status: Planned
Timeline: 2010-2013
Person(s) Responsible: Administrators
Evidence: Records, Reports
Comments:
LRPT Correlates:

Strategy 4.3.6: Provide storage solutions/servers with effective software for critical and, when extra room is available, non-critical data.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Administrators

Evidence: Inventory

Comments:

LRPT Correlates:

Strategy 4.3.7: Investigate new and innovative technologies for BISD.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Administrators, Teachers, Committee

Evidence: Reports

Comments:

LRPT Correlates:

Strategy 4.3.8: Hire sufficient staff to maintain network and do repairs as needed.

State: Original

Status: Planned

Timeline: 2010-2013

Person(s) Responsible: Superintendent, School Board

Evidence: Reports

Comments:

LRPT Correlates: I02, LAS07

BUDGET

Total amount of Title II, Part D formula funds received for the current year of this plan: **\$5,320.00**

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

Budget for year 2007

- Telecom cost: \$64,150.00

- Telecom source: Chapter 41=13%

E-rate=56%

Local and/or grants =31%

- Materials cost: \$24,300.00

- Materials source: Tech. Allotment=42%

Local and/or grants=58%

- Equipment cost: \$31,500.00

- Equipment source: Tech. Allotment=33%

Local and/or grants=67%

- Maintenance cost: \$56,550.00

- Maintenance source: Local and/or grants=100%

- Staff development cost: \$40,000.00

- Staff development source: Title II Part D=13%

Tech. Allotment=22%

Local and/or grants=65%

- Miscellaneous cost: \$60,000.00

- Miscellaneous source: Local and/or grants=100%
- Total: \$276,500.00

Budget for year 2008

- Telecom cost: \$64,575.00
- Telecom source: Chapter 41=13%
- E-rate=56%
- Local and/or grants =31%
- Materials cost: \$24,950.00
- Materials source: Tech. Allotment=40%
- Local and/or grants=60%
- Equipment cost: \$28,650.00
- Equipment source: Tech. Allotment=37%
- Local and/or grants=63%
- Maintenance cost: \$60,150.00
- Maintenance source: Local and/or grants=100%
- Staff development cost: \$42,000.00
- Staff development source: Title II Part D=13%
- Tech. Allotment=22%
- Local and/or grants=65%
- Miscellaneous cost: \$63,000.00
- Miscellaneous source: Local and/or grants=100%
- Total: 283,325.00

Budget for year 2009

- Telecom cost: \$64,900.00
- Telecom source: E-rate=56%
- Local and/or grants =44%
- Materials cost: \$26,155.00
- Materials source: Tech. Allotment=43%
- Local and/or grants=57%
- Equipment cost: \$33,000.00
- Equipment source: Tech. Allotment=32%
- Local and/or grants=68%
- Maintenance cost: \$63,700.00
- Maintenance source: Local and/or grants=100%
- Staff development cost: \$44,000.00
- Staff development source: Title II Part D=12%
- Tech. Allotment=20%
- Local and/or grants=68%
- Miscellaneous cost: \$66,000.00
- Miscellaneous source: Local and/or grants=100%
- Total: 297,755.00

EVALUATION

Evaluation Process:

Boyd Independent School District being in a small rural setting on the outskirts of the Dallas-Ft. Worth metropolitan area must instill values and knowledge that students all across the state are gaining if our students are to compete in the global world. This includes technology as a learning tool, an instructional tool, an administrative tool and a communication tool. To do this BISD must have in place a technology plan, which is diverse enough to include all intricacies of technology and yet flexible enough to allow for a rapidly changing and growing medium. Change and continued growth can only occur through careful and continuous evaluation and funding.

Funding is always a problem for a small rural district. The administration and board of education is committed to providing local funds to include technology in the future of all BISS students. In addition to local funds, applications will continue to be submitted for available grants. Business partnerships will be sought where applicable, and state and federal monies will be used when available. Consideration is being given to the possibility of selling bonds to help finance the expenditures for technology. Many decisions will need to be made over the next three years both in expenditures and needs. Expenditures are only one part of a comprehensive evaluation process. Careful evaluation will be critical to ensure that monies spent are bringing about the desired results.

The infrastructure itself along with technology related programs will be monitored and when needed upgraded. The monitoring will be accomplished through the use of software, P.E.I.M.S., TAKS, TAAS, STaR Chart, AEIS, etc. This will include our own internal sources and external sources such as vendors, the Educational Service Center, and TEA. Examples of which are using our filtering system to see where the traffic is going, checking bandwidth, monitoring our reading, math, social studies, science, writing, and technology programs. Overseeing this process is the responsibility of the administrative team including the campus principals, technology director, special projects director, business manager, and superintendent with the help of our entire faculty, school board, and technology committee.

Instruction, communication, and teacher preparation will need to be evaluated in an on-going process. This will be accomplished through the use of surveys given to students, staff, and community members. Students and staff will also be given competency tests. Data and statistics from varied sources i.e., reports, attendance records, records of training, lesson plans, PEIMS, TAAS, TAKS AEIS, grades, etc., will also be used to determine the effectiveness of technology within BISS and thus allowing for the flexibility of change when it is needed.

This plan should allow BISS to continue improving in technology while still keeping pace within a field, which is rapidly growing and changing. During this age of information, where today's technology may be antiquated next month, there is a need to stay current in our instruction so that Boyd students may compete within the global world today and tomorrow.

Evaluation Method:

The technology committee will be responsible for the ongoing evaluation of this plan. They will meet a minimum of once a year and more often if needed to review the progress of the plan. The intention of the evaluation will be to make decisions on the impact that technology has on the learning process for all students. A report will be given to the Superintendent after each formal evaluation occurs.

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

Other methods used for evaluation will include:

- Surveys of the staff conducted yearly in regards to their use of technology in the classroom
- Informal interviews conducted once a semester by the campus Technology Plan Committee representative
- Records of staff member participation in technology training monitored by sign-in sheets and teacher professional development records.
- Integration of training into the classroom as measured by lesson plans and number and type of technology and distance learning projects.
- Monitoring and documentation of community access to technology resources and information on the campuses and on the web site.
- Monitoring and documentation of community involvement

- Yearly inventory of hardware and software
- Support and maintenance of technology as documented by technical support records