

PETTUS ISD Technology Plan for E-Rate Year 15

2012 - 2015

Tucker Rackley
SUPERINTENDENT

DISTRICT PROFILE

ESC Region: 2
City, State Zip: PETTUS, TX 781461149
Phone: (361) 375-2296
Fax: (361) 375-2295

Number of Campuses: 2
Total Student Enrollment: 411
District Size: Under 500
Percent Econ. Disadvantaged: 67.39%

Technology Expenditures: \$321,417.00
- Teaching and Learning Budget: \$29,307.00
- Educator Preparation and Development Budget: \$10,800.00
- Leadership, Administration and Support Budget: \$56,610.00
- Infrastructure for Technology Budget: \$224,700.00

Technology Expenditure Per Pupil: \$782.04
Number of Campuses with Direct Connection to Internet: 2
Percentage of Campuses with Direct Connection to Internet: 100.00%
Number of Classrooms with Direct Connection to Internet: 36
Percentage of Classrooms with Direct Connection to Internet: 100.00%
Computer/Student Ratio: 3 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: 2
Percentage of campuses that have completed the Texas Campus STaR Chart: 100.00 %

PLAN INTRODUCTION

Plan Last Edited: 02/10/2012

Technology Planning Committee:
Steve Sugarek, Cheryl Burris, Tucker Rackley, Laura Warnix

EXECUTIVE SUMMARY

Executive Summary

The major focus of the Technology Plan is the implementation of a district wide, integrated network of communication, information, and teacher / student resources and experiences.

Listed below are the prominent features of the plan:

Commitment to a comprehensive and reliable infrastructure which includes continuing the employment of a technology coordinator, purchasing new equipment as detailed in the plan and moving the district forward in providing needed technology experiences for all staff and students.

Commitment to encompassing the information tools needed to support the business aspects of the district and management of the tremendous amounts of student information required to be managed by school districts.

Commitment to providing the Pettus ISD staff the needed training which will void the current fears that some staff may have and then to move staff in a united effort toward understanding the importance of technology for our students and the benefits, they, themselves, can enjoy. Competencies for teachers will be implemented over a multi-year implementation.

Commitment to providing all students with rich opportunities to explore and use technology in a variety of situations. All teachers will be required to integrate technology into their own teaching and into the products produced by students.

Commitment to providing the administrative and financial support for moving forward with technology

NEEDS ASSESSMENT

Assessment Process: Through the campus site-based teams and the District's Advisory Council, with input from the Technology Coordinator, along with Star Chart survey data the technology needs are determined and prioritized.

Existing Conditions:

Telecommunication Services: Voice/Over (VO) Internet Protocol (IP) phone system with voice mail and other features is currently in operation for the district.

Hardware: Windows 2000/XP Computers, 4 servers, routers, switches located at each campus in wiring closet, are in operation throughout the district.

Software: District student services and business operations are managed through the RSCCC software program through ESC II. Student grading and attendance is controlled through the use of TXGradebook. Windows 2003 Server is used to combine the DHCP and DNS services to manage the district systems. A variety of instructional software is available in the district including the Renaissance Place Accelerated Reading (AR) and Accelerated Math (AM) programs.

Technology Needs:

Needs Assessment

Formal and informal surveys have indicated the following needs:

1. Additional updated technology equipment and software are needed for the 7-12 campus. Currently teachers have access to one upgraded computer and printer in the classroom; however, this equipment is primarily used by the teacher only as a management tool. Student access to technology is limited to use of computers and printers in the library, two computer labs and the use of graphing calculators in the Secondary School's math classrooms.
2. The Elementary School computer lab can be accessed by all elementary teachers. Each classroom has a between three to four computers for student use.
3. 50 percent of the classrooms have installed LCD projectors with portable units available for check out for the remaining classrooms.
4. 80 % of the district classrooms have access to an available wireless LAN.
5. All classrooms should provide student access in order to integrate technology into the teaching / learning process. Teachers must be able to move beyond using the computer as a management tool for storing data. Technology should be provided that can enhance the teaching / learning process (e.g., use of Power Point, use of televisions as a computer screen by using signal converters.)
6. The greatest need of the district is training for staff. Time must be provided by the District to allow teachers to explore the opportunities they have and to train on equipment / software available. Teacher technology proficiencies will need to be required in the future.

GOALS, OBJECTIVES, AND STRATEGIES

Goal 1: To provide a comprehensive and reliable infrastructure which provides the foundation needed for current and future technology needs.

Objective 1.1: Continue to update the design, installation and maintenance of the technology and communications infrastructure.

Budget for this objective: \$224,700.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates:

NCLB Correlates: 03 05 06

Strategy 1.1.1: Maintain full employment of Technology Coordinator. (Technology Coordinator job description - Attachment A)

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Superintendent

Evidence: Monthly updates to Superintendent Formal Evaluation of employee in May

Comments:

LRPT Correlates: I01, I07, LAS01, LAS02, LAS07, LAS10, TL06, TL14

Strategy 1.1.2: Keep abreast of the current research regarding technology by visiting with other Technology Coordinators, attending Technology Contact meetings at the ESC II, attending training sessions as deemed appropriate.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Technology Coordinator

Evidence: Monthly reports of training to Superintendent List of yearly training submitted to Superintendent at formal appraisal.

Comments:

LRPT Correlates: EP04, EP07, EP08, I01, I02, I04, I08, LAS01, LAS02, LAS03, LAS04, LAS07, TL06, TL08, TL10, TL14, TL16

Strategy 1.1.3: Add computers to the classrooms to include at least one computer for teacher use and two computers for student use.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Technology Coordinator

Evidence: Electrical reports Chart of campus indicating locations of computers, printers, servers. Tech Coor report to Supt. of installation of computers

Comments:

LRPT Correlates: EP05, I01, I04, I05, I07, I09, LAS01, LAS02, LAS04, LAS05, LAS15, TL08, TL10, TL14

Strategy 1.1.4: Each classroom will have a laser jet or comparable printer networked so all computers in the room will be able to print.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Technology Coordinator

Evidence: Inventory & Purchase Orders

Comments:

LRPT Correlates: I01, I04, I05, I07, I09, LAS01, LAS02, LAS05, LAS15, TL08, TL10

Strategy 1.1.5: Ensure the maintenance of the computer systems district wide; to include readdressing, cleaning, and replacing of computers on an approximate four to six year rotating schedule.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Technology Coordinator

Evidence: Maintenance Check List Monthly reports of maintenance to Superintendent List of maintenance/ replacement recommendations submitted to Superintendent at formal appraisal

Comments:

LRPT Correlates: I01, I03, I04, I05, I07, I09, LAS01, LAS02, LAS04, TL06, TL10

Strategy 1.1.6: Upgrade and maintain the district wide ethernet network infrastructure to accommodate the districts growing instructional needs.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Technology Coordinator

Evidence: Purchase orders, maintenance contracts, work orders, network monitoring reports

Comments:

LRPT Correlates: I01, I04, I05, I06, I07, I08, I09, LAS01, LAS02, LAS04, LAS05, TL08, TL09, TL11

Strategy 1.1.7: Provide internet access with adequate bandwidth to support all district instructional needs.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Technology Coordinator

Evidence: inventory of networked computers, contract with isp, contract for data lines to isp, router traffic reports

Comments:

LRPT Correlates: EP08, I01, I02, I05, I06, I08, I09, LAS01, LAS02, LAS04, TL08, TL09, TL10, TL14

Strategy 1.1.8: Seek external funding to ensure that all students have access to appropriate technologies by collaborating with Federal, State, and local sources to seek support of technology-related activities

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Technology Coordinator

Evidence: Workshop notes, grant applications

Comments:

LRPT Correlates: EP06, I01, I02, I03, I05, I07, LAS01, LAS04, LAS07, LAS10, LAS15, TL08, TL09, TL10

Goal 2: To provide modern information tools to embrace accountability for district business applications and student program systems.

Objective 2.1: Update RSCCC to the new Business System for the use of accountability for the district and maintenance of SQL database systems.

Budget for this objective: \$53,610.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01 ER02

NCLB Correlates: 04b

Strategy 2.1.1: Intergrate, update and maintain the district business management applications.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: ESC II / Technology Coordinator

Evidence: Training Schedule, Training sign-in sheets Purchase Orders

Comments:

LRPT Correlates: EP06, I01, I07, LAS02, LAS04, LAS08, TL06

Strategy 2.1.2: Train administration office employees in the use of desktop application software. (Microsoft Office, Adobe Acrobat)

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Superintendent / Technology Coordinator

Evidence: Training scheduled Training sign-in sheets Workshop Certificates

Comments: Admin office employees will attend training in at least two products annually.

LRPT Correlates: EP06, EP07, I09, LAS02, LAS07, LAS08, LAS10, TL12

Objective 2.2: Maintain and update student databases and Grading Systems

Budget for this objective: \$3,000.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER02

NCLB Correlates: 03 05 07 11 12

Strategy 2.2.1: Intergrate, update and maintain the district student management system applications.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: PEIMS/Technology Coordinator

Evidence: Training agenda from annual training conducted PEIMS Formal Evaluation District PEIMS Coordinator

Comments:

LRPT Correlates: I01, LAS02, LAS05, LAS08, LAS10, LAS11, TL06, TL07

Goal 3: Technology will be used as an instructional and productivity tool.

Objective 3.1: Provide professional development to staff to ensure use of technology in the classrooms, offices, and other applicable locations

Budget for this objective: \$10,800.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 02 04a 04b 07 08 09 11 12

Strategy 3.1.1: Develop and implement a staff technology assessment.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: DAC

Evidence: Assessment Tool Assessment Results

Comments:

LRPT Correlates: EP03, EP04, EP05, LAS01, LAS02, TL06

Strategy 3.1.2: Provide staff development every Qtr. to address the staff needs determined by technology assessment results.

State: Original

Status: In Progress

Timeline: Quarterly 2012-2015

Person(s) Responsible: Principal, Technology Staff

Evidence: Staff Development Calendar, Sign-In Sheets Written evaluative narratives in District Improvement Plan (DIP)

Evaluation

Comments:

LRPT Correlates: EP01, EP02

Strategy 3.1.3: Provide online staff development for staff through online.esc2.net.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Campus Administrators, Technology Staff

Evidence: Online Registrations, Completions Certificates

Comments:

LRPT Correlates: EP01, EP02, EP05, TL01, TL02

Strategy 3.1.4: Provide staff opportunities to attend Technology training and integration into core subject areas.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Principal, Technology Staff

Evidence: Staff Development Report, Certificates of Completion

Comments:

LRPT Correlates: EP01, EP02, EP05, TL01, TL02

Strategy 3.1.5: Provide staff development for teachers that focus on integrating technology into their subject areas.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: DAC, School Principals, Technology Staff

Evidence: lesson plans, training agendas, Formal Evaluation of teachers, Scope and Sequence document

Comments:

LRPT Correlates: EP01, EP02, EP04, LAS01, LAS02, TL01, TL02, TL03, TL05

Strategy 3.1.6: Require teaching staff to integrate technology into their teaching process on an at-least once per week basis.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Principals

Evidence: Lesson plans will include technology in their teaching. Teachers' formal appraisal. Student exam records.

Comments:

LRPT Correlates: EP04, LAS01, LAS05, TL01, TL03, TL05, TL08, TL14

Goal 4: Utilize technology as a tool to foster improvements in academic achievement and curriculum integration.

Objective 4.1: To provide all students the opportunity to explore their world through the use of Internet research.

Budget for this objective: \$7,671.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 02 03 04b 05 06 07 08 11 12

Strategy 4.1.1: Establish and maintain an organizational Internet usage policy through content filtering, application blocking, and spyware protection to provide a safer Internet experience for our staff and students.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Technology Staff

Evidence: Purchase Orders, Filter Logs

Comments: Barracuda Filter Box

LRPT Correlates: EP04, LAS01, TL01, TL03, TL05, TL08, TL12

Strategy 4.1.2: Provide instruction about personal safety for students in an internet environment to include an Acceptable Use Policy that specify expectations and rules for students, parents, and teachers.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Teachers, Principals, & Technology Staff

Evidence: Staff Development Agendas, Lesson Plans, Signed AUPs

Comments:

LRPT Correlates: EP03, I08, TL14

Strategy 4.1.3: Provide students the opportunity to research topics via the Internet to complement all curriculum areas.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Classroom Teachers, Principals

Evidence: lesson plans Formal Evaluation of teachers Assessments

Comments:

LRPT Correlates: LAS05, LAS10, TL01, TL02, TL03, TL05

Objective 4.2: Provide all students with the appropriate technology skills as required by the TEKS.

Budget for this objective: \$21,636.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 02 03 04a 07 08 09 10 11 12

Strategy 4.2.1: Integrate grade appropriate technology in all curriculum areas as indicated in the Technology Applications TEKS.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Classroom Teachers, School Principals

Evidence: lesson plans, training agendas, Formal Evaluation of teachers, Scope and Sequence document

Comments:

LRPT Correlates: LAS01, LAS02, TL01, TL02, TL03, TL06, TL08

Strategy 4.2.2: Offer and provide the specialized High School Technology Application Courses.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Secondary School Principal

Evidence: Course Catalog and Registrations

Comments:

LRPT Correlates: EP01, EP04, EP06, I01, I04, I05, I07, I08, LAS01, LAS10, TL01, TL08, TL09, TL10, TL14

Strategy 4.2.3: All students will utilize educationally appropriate software resources to reinforce and enhance learning objectives in the classroom and in scheduled lab time.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Superintendent / Technology Coordinator / Principals

Evidence: Student Observations Site Logs/Reports

Comments: Examples: Renaissance Place, Study Island, StarFall

LRPT Correlates: I09, LAS01, LAS05, LAS08, LAS10, TL01, TL03, TL05, TL06, TL07, TL08

Strategy 4.2.4: All students will use technology resources to gather, analyze, synthesize, and present information in grade-level appropriate learning projects such as... • Research Papers • WebQuests • Multimedia Presentations • Web Site

Development

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Superintendent / Technology Staff / Principals / Teachers

Evidence: Student Observations/Presentations Student Projects Student Grades

Comments:

LRPT Correlates: I09, LAS05, LAS08, LAS10, LAS15, TL01, TL03, TL04, TL05, TL07, TL08, TL09, TL10, TL11, TL12

Strategy 4.2.5: Provide annual "Family Technology Night" on each campus where students/parents learn and explore uses of technology and projects that can be accomplished through the use of technology, Links that help provide parent information will be linked to the District's homepage.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Principals

Evidence: Training records Sign-in Sheets Sign-in sheets - indicating one Family Night held at each campus Parent evaluations

Comments:

LRPT Correlates: I03, I08, LAS07, LAS09, TL08, TL16

Strategy 4.2.6: Provide links on website to community resources for adult literacy providers.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Technology Coordinator

Evidence: Web site has current information and links

Comments:

LRPT Correlates: I08, LAS07, TL16

Strategy 4.2.7: Offer specialized and dual credit courses via video conferencing.

State: Original

Status: In Progress

Timeline: 2012-2015

Person(s) Responsible: Campus principals

Evidence: Course schedule, student assessment, Via Conference System Logs

Comments:

LRPT Correlates: TL06, TL07, TL08, TL09, TL15, TL16

BUDGET

Total amount of Title II, Part D formula funds received for the current year of this plan: \$1,416.00

Method of application for formula funds: REAPed

Budget for year 2009

- Telecom cost: \$14,800.00
- Telecom source: ERate-11840.00
Local-\$1960.00
TitleIPart A-\$1000.00
- Materials cost: \$18,370.00
- Materials source: SCE\$-\$3370.00
TitleIPart A-\$3000.00
Local-\$12000.00
- Equipment cost: \$19,599.00
- Equipment source: SCE-\$6000.00
State-\$500.00
Title I-\$3099.00
Local-\$10000.00
- Maintenance cost: \$40,000.00
- Maintenance source: SCE-\$1200.00
Title I-\$1200.00
ERate-\$4800.00
Local-32800.00
- Staff development cost: \$6,600.00
- Staff development source: SCE-\$1300.00
Local-\$5300.00
- Miscellaneous cost: \$7,770.00
- Miscellaneous source: SCE-\$500.00
Title I-\$1500.00
State-\$1000.00
Local-\$4700.00
- Total: \$107,139.00

Budget for year 2010

- Telecom cost: \$14,800.00
- Telecom source: ERate-11840.00
Local-\$1960.00
TitleIPart A-\$1000.00
- Materials cost: \$18,370.00
- Materials source: SCE\$-\$3370.00
TitleIPart A-\$3000.00
Local-\$12000.00
- Equipment cost: \$19,599.00
- Equipment source: SCE-\$6000.00
State-\$500.00
Title I-\$3099.00
Local-\$10000.00
- Maintenance cost: \$40,000.00
- Maintenance source: SCE-\$1200.00
Title I-\$1200.00
ERate-\$4800.00
Local-32800.00
- Staff development cost: \$6,600.00
- Staff development source: SCE-\$1300.00
Local-\$5300.00
- Miscellaneous cost: \$7,770.00
- Miscellaneous source: SCE-\$500.00
Title I-\$1500.00
State-\$1000.00
Local-\$4700.00
- Total: 107,139.00

Budget for year 2011

- Telecom cost: \$14,800.00
- Telecom source: ERate-11840.00

Local-\$1960.00
 Title I Part A-\$1000.00
 - Materials cost: \$18,370.00
 - Materials source: SCE-\$3370.00
 Title I Part A-\$3000.00
 Local-\$12000.00
 - Equipment cost: \$19,599.00
 - Equipment source: SCE-\$6000.00
 State-\$500.00
 Title I-\$3099.00
 Local-\$10000.00
 - Maintenance cost: \$40,000.00
 - Maintenance source: SCE-\$1200.00
 Title I-\$1200.00
 ERate-\$4800.00
 Local-\$32800.00
 - Staff development cost: \$6,600.00
 - Staff development source: SCE-\$1300.00
 Local-\$5300.00
 - Miscellaneous cost: \$7,770.00
 - Miscellaneous source: SCE-\$500.00
 Title I-\$1500.00
 State-\$1000.00
 Local-\$4700.00
 - Total: 107,139.00

EVALUATION

Evaluation Process:

The District Advisory Council (DAC) will meet semi-annually to evaluate the extent to which the Pettus ISD Technology Plan has been implemented and for effectiveness of the activities.

The activities described in the PISD Technology Plan include how the district will

***Integrate technology into curriculum and instruction

***Increase the ability of teachers to teach

***Enable students to meet challenging state academic standards

***Acquire and deploy technologies and telecommunication services

***Meet timelines for implementation

Evaluation Method:

The District Advisory Council (DAC) will review the following:

- Staff Development Calendar
- Staff Development Attendance Reports
- Staff Technology Skills Report
- Campus Technology needs Surveys
- STAR Charts
- Lesson Plans Demonstrating Technology Integration

APPENDIX

Attachment item A:

Technology Coordinator Job Description

PDF file:  <http://www.pettusisd.esc2.net/tech%20coor%20job%20description.pdf>

Attachment item B:

Teacher Technology Survey

PDF file:  http://www.pettusisd.esc2.net/tech_survey.pdf

Attachment item C:

District Acceptable Use Policy

Web site: <http://www.tasb.org/policy/pol/private/013903>