



# Texas Education Agency

## 2005 Technology Plan Approval Certificate

The Texas Education Agency is certified by the Schools and Libraries Division (SLD) to approve technology plans for participation in the Schools and Libraries Universal Service Program.

LEONARD ISD (074909)

has a technology plan that has met the SLD criteria and No Child Left Behind (NCLB) requirements.

This plan was approved on May 13, 2005 for a period of 2 years (2005 - 2007) with an expiration date of June 30, 2007.

A handwritten signature in cursive script that reads "Sharon Jackson".

Sharon Jackson  
Deputy Associate Commissioner  
Standards and Alignment

**LEONARD ISD Technology Plan for E-Rate Year 8**  
2005 - 2007

LARRY LAFAVERS  
SUPERINTENDENT

**DISTRICT PROFILE**

ESC Region: 10  
City, State Zip: LEONARD, TX 75452  
Phone: (903) 587-2318  
Fax: (903) 587-2845

Number of Campuses: 4  
Total Student Enrollment: 838  
District Size: 500 - 999  
Percent Econ. Disadvantaged: 37.18%

Technology Expenditures: \$216,000.00  
- Teaching and Learning Budget: \$45,360.00  
- Educator Preparation and Development Budget: \$88,560.00  
- Administration and Support Services Budget: \$15,120.00  
- Infrastructure for Technology Budget: \$66,960.00

Technology Expenditure Per Pupil: \$257.76  
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: 104  
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: 4  
Percentage of campuses that have completed the Texas Campus STaR Chart: 100.00 %

**PLAN INTRODUCTION**

Plan Last Edited: 05/10/2005

Technology Planning Committee:  
Larry Lafavers– Superintendent  
Jerome Edwards– District Technology Director  
Janna Layman- Business Manager  
John Kent - High School Principal  
Vernon Richardson - Jr. High Principal  
Vernon Richardson - Intermediate Principal  
Brad Maxwell - Elementary Principal  
Pam McCarley - High School Librarian

**EXECUTIVE SUMMARY**

As a preface, LINUX and open source software has made the most positive effect on all of our technology endeavors.

Perhaps the most important question which can be asked at every stage of any human endeavor is, What is our purpose? The failure to ask this question of ourselves causes loss of focus, wasted effort, squandered resources, and disappointing results. The Leonard Independent School District Technology Program's driving purpose is, What is best for our students? We believe that all students can learn, and we want our students to:

- develop a love for learning
- possess the skills to be life long learners
- master a solid core of academic content
- become effective problem solvers and decision makers
- possess self confidence and a feeling of self worth
- recognize and realize their full potential, and
- become productive members of society.

We want our school system to:

- recruit, retain, and support the best possible staff

- provide opportunities for professional growth for all staff
- produce students who are well prepared for college and careers
- provide students and teachers with current technology to support teaching and learning
- meet the needs of all students
- provide opportunities for constructive parent and community involvement, and
- be recognized as an outstanding school system in our state and nation.

To insure that every student and teacher has access to and the ability to use technology, we recommend that Leonard Independent School District move as quickly as possible to implement the Short Term Plan. That plan builds on technology and infrastructure presently in our schools to provide a minimum technology configuration of hardware and software which will give every student and teacher immediate access to productivity tools, information sources, and instructional media.

This Short Term Plan will require extensive training and ongoing user support. Maintenance needs must also be addressed through a cooperative effort of local staff, system staff, outside vendors and consultants. Leonard Independent School District recommends that all aspects of the Short Term Plan be funded by the Board of Education as soon as possible within the context of all other needs of the school system.

As the Short Term Plan becomes a reality, the District envisions an ongoing expansion of technology in which local schools will build on the minimum technology configuration. This phase will include additional student workstations, a growing collection of software, additional technology infrastructure, and certain stand alone technologies that address very specific instructional needs. The District recommends that the school system make an annual financial commitment to this ongoing expansion of technology. We also recommend that the departments have great freedom in deciding when and how to expand their capabilities, as long as those decisions are consistent with the academic goals of the system and certain management and support realities.

### NEEDS ASSESSMENT

**Assessment Process:** The Leonard ISD Site Based Committee used the Academic Excellence Indicator system (AEIS), Texas Star Chart along with the TAKS Scores to determine the major needs of the school district. The Committee members analyzed: drop out rates, attendance, advanced placement scores, ACT/SAT scores and enrollment. They also looked at this years TAKS scores and compared them to previous year's scores along with the overall scores for the state. The Site Based Committee members then used the information and interviewed the staff and came up with several of the needs to be addressed. In addition, Leonard ISD had personal from Region 10 Education Service Center to come out to Leonard ISD and do a needs assessment. They presented the report to the Leonard ISD Site Based Committee and the committee presented it to the Superintendent and the School Board.

### Existing Conditions:

Infrastructure:

Linux Terminal Server Project at Leonard ISD

Linux is free in terms of cost and in terms of development because it's based on Open Source software.

We are free to adapt, change, customize and configure the source code for use at Leonard ISD.

This kind of freedom produces better software and makes Linux the right choice for LISD as we are very concerned with the wise and efficient use of public funds.

Our computer lab software is based on RedHat Linux and the LTSP terminal server packages.

It's distributed under the GNU General Public License . That means it's free and it's based on Open Source software.

Once installed, students can boot diskless workstations from an applications server. We can use old PC's as diskless clients or build our own new ones for under \$200 each.

All applications run on the terminal server. Workstations are "thin." They have no software or hard drives. Thin-clients are perfect for schools because they are easy to install and require little maintenance.

They are reliable and immune to malicious tampering and viruses.

Where are these Terminals at LISD?

High School Library

High School Computer Lab

High School Computer Science Classroom

Junior High Computer Lab 1

Junior High Computer Lab 2

Intermediate Computer Lab

Elementary Computer Lab

### Athletic Complex

A Total of 142 "thin" clients have been installed throughout LISD

The school district saved thousands of dollars due to reduced/free hardware, software, licensing, and server architecture.

### The Benefits of Installing a K-12 Linux Terminal Server Lab?

Lower TCO (Total Cost of Ownership): less administrative overhead, no desktop upgrades (all upgrades are done to the server only), runs well on older client machines.

No software license headaches! The software is "Open Source" (which means its free and there are virtually no licensing restrictions). We never have to worry about software licenses anymore (unlike with "Windows" or other proprietary software).

Easy to administer. I use a web-based administrative interface which allows me to administer the server from anywhere there is an internet connection (which is virtually anywhere in the world).

All upgrades are done on the server and not on the client desktops! For an administrator this is a great time saver. Now, I can upgrade or update an entire lab by updating one computer: the server. All the client computers will be updated as they log in to the server. EASY!

Runs well on older hardware. The server needs to have a lot of RAM memory and a "decent" processor - but by no means does it need to be "state of the art." The client computers can be old "throw away" PCs salvaged from the junk heap.

Old PCs can run at speeds that were previously impossible. Since the clients don't "run" any of the software (it's all done on the server) - they run at the speed of the server's processor (and memory). I have old 150 Mhz client PCs running at over 2400 Mhz now!

Stable OS (operating system). I have had several servers running for many months without ever needing a "reboot." Try that with a "Windows" server!

Great Software (that is FREE). I use OpenOffice as our "office software suite" (word processor, spreadsheet, presentation, html editor, drawing). It can read and write to Microsoft Office file formats. It can create Adobe Acrobat files (PDFs). It can do just about anything that the average "office" user needs to do - for free! There are many other free open source software applications available.

Each and every student in the district has their own user name and password.

We also maintain a web based community forum.

The district and four campuses are connected by a gigabit backbone. Most ports are 100 meg and 96 ports are gigabit to the desktop. Our Core switch is a Cisco 4006 and our edge switches are either Cisco 2950's or Cisco 3548's. We have 13 servers: 6 Linux LTSP application servers; 2 Windows NT servers for Winschool, RSCCC2k, Accelerated Reader and Genesis Library system; 1 Linux web server; 1 Linux email server; 1 Linux control server; 1 Linux backup server; and 1 Linux internet gateway server. We have six wireless print servers. We have 20 wireless indoor access points. We are connected to Education Service Center Region 10 on a T1 line using a Cisco 3725 router where we receive all our Internet access, e-mail and a separate dedicated T1 line for Distance Learning Access. We have a internet filtering system. All computers at Leonard ISD are connected to the LAN and have high speed Internet access.

### High School

The High School has 2 computer labs. One lab is in an instructional classroom and the other lab is in the library. All teachers has access to the sign up lab for each period. All labs have 25 Pentium 4 2.0 GHz computers along with a Proxima 8000 projector, HP 8150 Laser Printer, HP Scanner, and a HP 715 Digital Camera. Our library has 10 computers designated for student use that are Pentium 4 2.0 GHz. All computers in the library are connected to wireless print servers for printing. We have a 1:1 ratio of teacher to computer and a 10:1 ratio of student to computer. All teachers have wireless network access for printing. They have 4 projectors to be checked out on an as needed basis. LISD has 10 Notebook computers for the students to use on a check out first come first serve basis.

### Junior High School

Most of the computers in the Jr. High are used for the Accelerated Reader Program.

In addition, all teachers post their lesson plans on the community forum each day.

The Jr. High has 2 computer labs. Both labs are in instructional classrooms. All teachers has access to the sign up lab for each period. All labs Linux RedHat LTSP computers along with a Proxima 8000 projector, HP 8150 Laser Printer, HP Scanner,

and a HP 715 Digital Camera. Our library has 10 computers designated for student use that are Pentium 4 2.0 GHz. All computers in the library are connected to wireless print servers for printing. We have a 1:1 ratio of teacher to computer and a 10:1 ratio of student to computer. All teachers have wireless network access for printing. They have 3 projectors to be checked out on an as needed basis. LISD has 10 Notebook computers for the students to use on a check out first come first serve basis.

#### INTERMEDIATE SCHOOL

Most of the computers in the Jr. High are used for the Accelerated Reader Program.

The Intermediate school has 1 computer labs. This lab in a instructional classroom. All teachers has access to the sign up lab for each period. This lab has Linux RedHat LTSP computers along with a Proxima 8000 projector, HP 8150 Laser Printer, HP Scanner, and a HP 715 Digital Camera. Our library has 10 computers designated for student use that are Pentium 4 2.0 GHz. All computers in the library are connected to wireless print servers for printing. We have a 1:1 ratio of teacher to computer and a 10:1 ratio of student to computer. All teachers have wireless network access for printing. They have 2 projectors to be checked out on an as needed basis. LISD has 10 Notebook computers for the students to use on a check out first come first serve basis.

#### ELEMENTARY

Most of the focus on the Elementary is to place computers in a Linux LTSP lab. Leonard Elementary has one computers in each classroom for student use. The Elementary has a computer lab with 25 Linux RedHat LTSP computers along with a Proxima 8000 projector, HP 8150 Laser Printer, HP Scanner, and a HP 715 Digital Camera. The labs are used for class technology projects/lessons. We have a 1:1 ratio of teacher to computer and a 10:1 ratio of student to computer. All teachers have access to the wireless printing system.

Leonard ISD has standardized on the following software:

- Sun/Open Office
- KDE Keyboarder
- Accelerated Reader
- Genesis Library Software
- Linux RedHat Distribution
- Apache Webserver
- Sendmail for email

There are many software titles that are specific for individual grade levels or classes. Most communication in Leonard ISD is done through e-mail. All staff have access to e-mail either in their room or on a designated computer.

#### **Technology Needs:**

Leonard ISD has a large special education population and an increasing ESL population. We need to be able to prepare these special populations with updated programs and equipment to take advantage of the new programs available to the schools.

While there is great competition for employment in the job market, Leonard ISD is committed to prepare our students with the best training in technology available.

Leonard ISD takes pride in preparing our students to attend higher education programs through the use of Distance Learning and Technology. With new equipment and new software, we need a good staff development to train our staff on the new programs that we implement.

With the rapid change of technology, Leonard ISD has needs to have a plan to replace old technology with new technology. Leonard ISD Administration and Staff depends on technology for our daily work load. We must maintain our current infrastructure for the continued success of our school.

#### **GOALS, OBJECTIVES, AND STRATEGIES**

**Goal 1: Leonard ISD will integrate technology in all subject areas to increase student performance and achievement.**

**Objective 1.1:** 100% of all students in all student groups in K-12 will have access to technology and training in the use of that technology.

Budget for this objective: \$37,060.00

LRPT Category: Teaching and Learning

E-Rate Correlates:

NCLB Correlates: 02 03 04a 06 07 11 12

**Strategy 1.1.1:** Provide teachers access to software programs suited to their classroom needs.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: Larry Lafavers Jerome Edwards

Evidence: Lesson plans and six weeks logs of student/ technology contact time.

Comments: Observed student integration of technology skills in core curriculum areas

LRPT Correlates: AS01, AS02, AS03, EP04, TL01, TL02, TL06, TL07, TL08, TL09, TL11, TL12, TL18

**Strategy 1.1.2:** Provide technical support/training to teachers for their requested software programs.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: LISD Principals Jerome Edwards Larry Lafavers

Evidence: Documentation of staff development and training. Use of Texas Star Chart

Comments: Teacher use of software and technology to enhance instruction as evidenced in lesson plans.

LRPT Correlates: EP01, EP03, EP05, EP06, EP07, EP08, EP09, EP13, TL03, TL04, TL05

**Strategy 1.1.3:** Update and upgrade district technology, network speed, and add support materials and computers for classroom instructional support using local funds, e-rate funds, and federal and private grants.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: Larry LaFavers Jerome Edwards

Evidence: Documentation of additions and inventory locations Additions/Purchases Listing

Comments:

LRPT Correlates: AS01, I01, I02, I03, I04, I05, I06, I07, I08, I10, I11, I12, I13, I14, I15

**Strategy 1.1.4:** Integrate instruction in grade level TEKS and core curriculum with components of technology.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: LISD Principals

Evidence: Lesson plans and evidence of student generated products.

Comments: Observed student integration of technology in core curriculum areas.

LRPT Correlates: TL01, TL02, TL04, TL05, TL06, TL07, TL08, TL10, TL11, TL12, TL14

**Objective 1.2:** Leonard ISD will identify, monitor and serve all at-risk students with the aid of technology.

Budget for this objective: \$8,300.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01 ER02

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

**Strategy 1.2.1:** Initiate "Building Bridges" curriculum for three-year olds identified as migrant.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: Nancy Pennington

Evidence: List of children serviced by "Building Bridges." Student progress for those participating in the program.

Comments:

LRPT Correlates: EP04, EP10, TL01, TL02, TL05, TL07, TL08, TL10, TL11, TL12, TL16, TL18, TL20

**Strategy 1.2.2:** Provide technology based instructional aides to assist migrant students at each campus in priority of needs areas.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: LISD Principals

Evidence: List of students assisted by instructional aide, including schedules and contact time. Student achievement as evidenced by TAKS, report cards, and grade advancement.

Comments:

LRPT Correlates: TL01, TL02, TL03, TL05, TL07, TL08, TL09, TL10, TL11, TL12, TL16, TL17, TL18, TL19

**Strategy 1.2.3:** Provide student testing, and reading materials (tape players, books headphones) in the LEP student's native language in libraries and classes. Reinforce ESL instruction through the use of research based computer software.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: Librarians ESL Staff

Evidence: The percentage of limited English proficient students, determined by LPAC, who have attained English proficiency by the end of the school year.

Comments:

LRPT Correlates: TL01, TL02, TL04, TL07, TL08, TL09, TL11, TL12, TL16, TL18, TL19, TL21

**Strategy 1.2.4:** Provide credit recovery options for at risk students through the use of Nova Net and Web Cat.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: LISD Principals

Evidence: Number of at-risk students attempting credit recovery versus the number of at-risk students receiving credit.

Comments: Novanet is a web based accelerated curriculum designed for ELS students and credit recovery. WebCCat is used in all curriculum to help align to TEKS.

LRPT Correlates: TL01, TL02, TL04, TL05, TL07, TL08, TL10, TL11, TL12, TL13, TL16, TL18

**Strategy 1.2.5:** Provide professional staff development for migrant program staff

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: LISD Principals

Evidence: Documentation and reports from the staff development training and conferences

Comments:

LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP07, EP08, EP09, EP10, EP11

**Objective 1.3:** Leonard ISD will offer all students access to dual or college credit classes through the use of distance learning and assist with addressing adult literacy.

Budget for this objective: \$7,400.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 02 03 05 07 08 10 11 12

**Strategy 1.3.1:** Leonard ISD in collaboration with Grayson County College will offer dual credit classes through the use of distance learning.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: Brenda Wrenn John Kent

Evidence: College Transcripts

Comments:

LRPT Correlates: TL07, TL08, TL16, TL17, TL18

**Strategy 1.3.2:** Post items of community interest on the district web and encourage feedback with online forms

State: Original

Status: In Progress

Timeline: On-Going Implementation

Person(s) Responsible: LISD Webmaster

Evidence: Web pages, feedback received

Comments: Typical items of interest would be details on area adult literacy and continuing education, alumni news, bond issues, board agenda, school news, and community newsletters.

LRPT Correlates: AS04, AS05, AS06, AS07, EP14, I02, I09, I15, TL09, TL17, TL19, TL21

**Goal 2: All students will be taught by highly qualified teachers by 2006 (ESEA Goal 3)**

**Objective 2.1:** By May 2007, highly qualified teachers will teach 100% of all classes, 100% of paraprofessionals assisting with student instruction will be qualified, and 100% of teachers will receive high quality professional development from Region 10 ESC. (ESEA Performance Indicators 3.1, 3.2, 3.3)

Budget for this objective: \$82,960.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 01 02 03 04a 04b 06 07 08 10 11 12

**Strategy 2.1.1:** Teachers and administrators will receive sustained, intensive, classroom focused professional development, including instructional technology, in order to address the learning needs of all students.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: ESC 10 Staff LISD Principals Jerome Edwards

Evidence: Documentation of training or professional development and Annual appraisals along with Student performance on annual TAKS test.

Comments: We will use local resources as well as the Service Center Region 10 for staff development.

LRPT Correlates: AS01, AS02, AS03, EP01, EP02, EP03, EP04, EP05, EP07, EP08, EP09, EP10, EP11, EP13

**Strategy 2.1.2:** Provide teachers access to software programs suited to their classroom needs.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: LISD Principals Jerome Edwards

Evidence: Six weeks logs of student/technology contact time. Lesson Plans Observed student integration of technology skills in core curriculum areas.

Comments:

LRPT Correlates: EP02, EP03, EP05, EP13

**Strategy 2.1.3:** Provide technical support/training to teachers for their requested software programs.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: LISD Principals Jerome Edwards

Evidence: Documentation of staff development and training. Teacher use of software and technology to enhance instruction

Comments: Leonard ISD will maintain a full time Director of Technology. In addition, we will have campus support coordinators to assist teachers in technology .

LRPT Correlates: EP03, EP04, EP06, EP07, EP12

**Strategy 2.1.4:** Leonard ISD will strive to deliver ongoing, sustained, high quality professional development for all of our teachers, principals, administrators, and school library media personnel to further the effective use of technology in the classroom or library media center by incorporating a measurement criteria in the PDAS. In addition, as part of our employment contract, teaching personnel must take a computer skills assessment test to determine if their technology skill level is appropriate for classroom learning environment. The campus principal will determine if the employee is lacking the required technology skills needs to effectively teach the students on their campus. Those lacking the required skills to properly educate our students, must engage in onsite training technology courses and/or other high quality training courses provided Region 10 ESC. After any required technology training, the employee will be required to retake a computer skills assessment test to determine if their technology skill level is appropriate for the classroom learning environment. The campus will determine if the additional training was sufficient for an adequate classroom learning environment.

State: Revised

Status: In Progress

Timeline: August 2004 through August 2007

Person(s) Responsible: LISD Principals Jerome Edwards

Evidence: Passing the computer skills assessment tool deemed high quality by the campus principal.

Comments:

LRPT Correlates: EP03, EP08, EP09, TL03, TL05, TL13, TL15

### **Goal 3: Leonard ISD will maintain a fast and stable infrastructure for the purpose of communication**

**Objective 3.1:** Leonard ISD will maintain open communication between the Administration, staff, parents and the community.

Budget for this objective: \$15,120.00

LRPT Category: Administration and Support Services

E-Rate Correlates: ER02

NCLB Correlates: 03 04b 09 10

**Strategy 3.1.1:** Leonard ISD will maintain a T1 connection to Region 10 for the purpose of Internet Access, e-mail communication, and for a presence on the World Wide Web.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: Jerome Edwards

Evidence: Reports and statements from Service Center indicating T1 line is up and functional

Comments: Leonard ISD uses e-mail to communicate with the staff, administration, parents, and when appropriate, community members. In addition, we use the Web Page to post information pertinent to Leonard ISD.

LRPT Correlates: AS03, AS04, AS05, AS06, AS07, AS08, TL19, TL21

**Strategy 3.1.2:** Leonard ISD has in place a web based community forum. The web site address is

<http://207.235.220.138/forum/> Here teachers can post lesson plans, achievements, and any other pertinent information they deem necessary. In addition, parents and community members can join the forum and communicate directly with any teacher

they desire. Many parents have already enrolled and are successfully using the service. Since we are using Linux and PHPBB, which are open source solutions, the district had no software costs.

State: Original

Status: Planned

Timeline: January 2004 to August 2007

Person(s) Responsible: Jerome Edwards

Evidence: We will monitor the number of parents and community members who will utilize this service. With this information we will seek to increase usage.

Comments:

LRPT Correlates: AS04, AS05, AS07, EP14, I02, I03, I09, TL17, TL21

**Strategy 3.1.3:** Leonard ISD is providing very effective means of increasing accessibility to advanced technology. This ensures that students, teachers and have increased access to technology regardless of their economic conditions. To achieve this we have installed a 50 foot transmission antenna on our junior high building. This antenna continuously transmits high speed data access to the entire Leonard community. All anyone needs to receive internet access AT NO CHARGE is to have a computer with an inexpensive wireless card installed. This has proved to be a invaluable asset to the community. Leonard ISD is providing very effective means of increasing accessibility to advanced technology. This ensures that students, teachers and have increased access to technology regardless of their economic conditions. To achieve this we have installed a 50 foot transmission antenna on our junior high building. This antenna continuously transmits high speed data access to the entire all Leonard ISD building and outdoor property.

State: Original

Status: Planned

Timeline: June 2004 to August 2007

Person(s) Responsible: Jerome Edwards

Evidence: We have many subscribers to this free service which we help install at no charge. Again we are using open source Linux software that requires NO licensing fees.

Comments:

LRPT Correlates: AS04, AS05, AS07, EP14, I01, I02, I03, I09, I10, I11, I13, I14, I15

**Objective 3.2:** Leonard ISD would like to offer up to date technology to the students and teachers of Leonard ISD.

Budget for this objective: \$59,560.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 02 03 05 06

**Strategy 3.2.1:** Leonard ISD will try to update 1/6 of computers every year to try to stay up with current technology.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: Jerome Edwards

Evidence: Purchase Orders and Invoices

Comments:

LRPT Correlates: I04, I05, I06, I07

**Strategy 3.2.2:** Leonard ISD will explore open source solutions to provide Voice Over IP to our telecommunications network. As we go wireless this would allow us to greatly enhance telephone and fax services over the existing ethernet network via internet technology.

State: Original

Status: Planned

Timeline: July 2004 through August 2007

Person(s) Responsible: Jerome Edwards

Evidence: Installation of a state of the art Voice Over IP utilizing existing Ethernet network.

Comments:

LRPT Correlates: I02, I08, I14

**Goal 4: By May 2006, the district will reach the Target Tech level in all areas on the Texas School Technology and Readiness (STaR) chart.**

**Objective 4.1:** By May 2004, the district will improve in at least one area in each of the 4 major categories on the STaR chart.

Budget for this objective: \$5,600.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER01 ER02

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

**Strategy 4.1.1:** Regular weekly technology use for integrated curriculum activities utilizing various instructional settings.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: LISD Principals Jerome Edwards

Evidence: Lesson plans indicating integrated activities.

Comments:

LRPT Correlates: AS01, AS02, AS03, AS07, AS08, EP01, EP02, EP03, EP04, EP05, EP06, EP08, EP09, EP10, EP11, EP12, EP13, EP14, I01, I02, I04, I05, I06, I07, I08, I10, I14, I15, TL01, TL02, TL03, TL05, TL07, TL08, TL09, TL10, TL13, TL14, TL15, TL16, TL17, TL18, TL19, TL20

**Strategy 4.1.2:** Provide incentives for all professional staff members to participate in training related to the integration of technology in instructional programs.

State: Original

Status: Planned

Timeline: March 2004 through August 2007

Person(s) Responsible: LISD Principals Jerome Edwards

Evidence: Attendance and achievement records; Portfolio folders that contain completed multimedia, web page, and desktop publishing.

Comments:

LRPT Correlates: AS01, AS03, AS07, EP01, EP03, EP04, EP05, EP06, EP07, EP08, EP09, EP11, EP12, I01, TL01, TL02, TL03, TL05, TL08, TL13, TL14, TL15, TL16, TL17, TL18, TL19, TL20

**Strategy 4.1.3:** Survey teachers to determine SBEC proficiency level.

State: Original

Status: Planned

Timeline: May 2004 May 2005 May 2006

Person(s) Responsible: LISD Principals Jerome Edwards

Evidence: Twenty percent growth of overall staff SBEC proficiency level.

Comments:

LRPT Correlates: AS03, AS08, EP01, EP03, EP05, EP06, EP07, EP08, EP09, EP10, EP11, EP12, I01, I02, I07, I08, I10, TL04, TL05, TL08, TL09, TL13, TL14, TL15, TL16, TL17, TL18, TL19

## BUDGET

Total amount of Title II, Part D formula funds received for the current year of this plan: \$4,531.00

Method of application for formula funds: Local Application

Budget for year 2005

- Telecom cost: \$22,000.00

- Telecom source: Technology Allotment Local Funds

E-Rate

- Materials cost: \$9,500.00

- Materials source: Local Funds

Title 1A

Title 2A

- Equipment cost: \$20,000.00

- Equipment source: Local Funds

Small Rural School Achievement Grant

- Maintenance cost: \$8,000.00

- Maintenance source: Local Funds

- Staff development cost: \$45,000.00

- Staff development source: Local Funds

Title 1A

Title 2A

Special ED. Funding

Title 5

G/T Funding

Title II Part D

- Miscellaneous cost: \$500.00

- Miscellaneous source: Local Funds

- Total: \$105,000.00

Budget for year 2006

- Telecom cost: 23,500.00

- Telecom source: Technology Allotment Local Funds

E-Rate

- Materials cost: 22,000.00

- Materials source: Local Funds
- Title 1A
- Title 2A
- Title 5
- Special Ed
- Compensatory Education
- Equipment cost: 9,000.00
- Equipment source: Local Funds
- Small Rural School Achievement Grant
- Maintenance cost: 8,000.00
- Maintenance source: Local Funds
- Staff development cost: 48,000.00
- Staff development source: Local Funds
- Title 1A
- Title 2A
- Special ED. Funding
- Title 5
- G/T Funding
- Title II Part D
- Miscellaneous cost: 500.00
- Miscellaneous source: Local Funds
- Total: 111,000.00

## EVALUATION

Evaluation Process:

The site based committee will check all results from the AEIS and the TAKS Scores and compare them to the previous results. They will then make a report to the technology committee as to the results and make recommendations as to where we need to improve. The technology committee will meet monthly to evaluate the progress of the plan and to update the plan as needed. In addition, we will have the Service Center Region 10 come out and conduct another needs assessment and to give the results to the site based committee and to the technology committee. The technology committee will analyze the results and act upon them. The technology committee will distribute all data to the Superintendent after all meetings.

Evaluation Method:

Integrating technology into curriculum and instruction :

- Lesson plans and six weeks logs of student/ Technology contact time.
- Observed student integration of technology skills in core curriculum areas

Increasing the ability of teachers to teach:

- Documentation of staff development and training.
- Teacher use of software and technology to enhance instruction as evidenced in lesson plans.

Enabling students to meet challenging state academic standards:

- Lesson plans and evidence of student generated products.
- Observed student integration of technology in core curriculum areas
- Comparison of AEIS and TAKS Scores

Acquiring and deploying technologies and telecommunication services:

- Purchase orders and vendor invoices
- Superintendent and Director of Technology will evaluate technology and telecommunication services and will maintain a good infrastructure

Meeting timelines for implementation:

- Technology meeting will evaluate timeline in each meeting and make recommendations to Superintendent if timelines are not being met.

## APPENDIX

### Attachment item A:

Welcome to the LISD On-Line Information Forum. The forum is a joint cooperative effort between the faculty, staff, students, parents, community members, and administration of LISD. Visitors to the site may view any teacher's page that is available. Parents and students are reminded that this is designed to be a general guide to classroom instruction. It is not intended to replace or supplant daily instructions from the teacher, or direct communications to and from the teacher and the parents. It

should provide an up-to-date look at what is going on in the class, current assignments and projects, and future learning. At present, it is not designed to be a two-way communication device. In the future some categories may allow for two-way communications. You are invited however to contact teachers about school related matters via their school e-mail address.

Web site: <http://mail.leonardisd.net/forum/>

**Attachment item B:**

This is the sign on web page for staff and students. We maintain this without licensing fees because it is run with SendMail on a Fedora Linux server for web based staff email.

Web site: <http://mail.leonardisd.net/webmail/src/login.php>

**Attachment item C:**

We provide this school website with no licensing fees due to open source solutions such as Apache web service and PHPWebSite software.

Web site: <http://www.leonardisd.net/>