

TIDEHAVEN ISD
Technology Plan
2010 - 2013

Donald Egg
Superintendent

Texas e-Plan: Technology Planning System - Report Options
TIDEHAVEN ISD
Technology Plan for E-Rate Year 13, 14, 15
2010 - 2013

DONALD EGG
SUPERINTENDENT
DISTRICT PROFILE
ESC Region: 3
City, State Zip: EL MATON, TX 77440
Phone: (361) 588-6321
Fax: (361) 588-7109

Number of Campuses: 4
Total Student Enrollment: 800
District Size: 500 - 999
Percent Econ. Disadvantaged: 66.7%

Technology Expenditures: \$539,050.00
- Teaching and Learning Budget: \$128,050.00
- Educator Preparation and Development Budget: \$99,000.00
- Leadership, Administration and Support Budget: \$72,000.00
- Infrastructure for Technology Budget: \$240,000.00

Technology Expenditure Per Pupil: \$460.39
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: 75
Percentage of Classrooms with Direct Connection to Internet: 100.00%
Computer/Student Ratio: 2 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%

PLAN INTRODUCTION

Plan Last Edited: 2010
Plan status: Approved
Years Included in the Plan: 2010 - 2013
Number of years covered by the plan: 3

Technology Planning Committee

Donald Egg – TISD Superintendent
Debra Taska – Assistant to Superintendent
Heather Mendiola – District Technology Director
Shelley Anderson – District Instructional Technology Specialist
Sharon Jones – District Software Specialist
Debra Golf – District Librarian
Carolyn King – High School Teacher
Gerry Talley – Intermediate Principal
Denise Kruppa – Intermediate Teacher
Janet Richardson – Intermediate Librarian

Kim Marceaux – Elementary Principal
Patricia Elledge – Elementary Teacher
Jean May – Elementary Principal
Lisa Sexton – Elementary Teacher

EXECUTIVE SUMMARY

The vision of TISD is to have a collaboration of technologically trained educators, students and community members working continuously to master technology skills and improve student learning. An interactive learning environment will include direct connection to the Internet providing learning opportunities accessible to the TISD community. This rural community will reap educational, economical, and personal benefits from sharing information through a networked infrastructure normally available in only the more sophisticated urban communications systems. TISD will support and extend the goals and objectives set forth in this plan by maximizing community resources and pursuing all available funding sources.

NEEDS ASSESSMENT

Assessment Process: Tidehaven ISD is a rural school district with an at-risk population of 44.8%, and a low income population of 66.7%. The students at TISD, because of district size, location, lack of public library resources, limited curriculum, and financial status of the district and the socioeconomic makeup of the community are deprived of relevant learning opportunities and resources necessary to compete equitably with their peers from larger urban communities.

To meet the learning needs of all TISD students, installation and maintenance of advanced technologies such as a high speed network infrastructure, Internet connection and distance learning opportunities are necessary. The results of a student/teacher survey show that out of a student population of 800, only 14.5% of these students have Internet accesses in their home. Of 75 teachers, only 30% have Internet access in their homes. Providing and maintaining a direct Internet connection will allow learning opportunities which will equalize learning possibilities between this rural district and larger urban districts.

EXSISTING CONDITIONS

At present there are 412 Internet accessible computers on four separate campuses (2 elementaries, 1 intermediate & 1 high school) and one central office. Each campus has at least 1 teacher computer and 1 student computer per classroom with high speed Internet connections. Each campus also has at least one Internet lab with 15 to 22 computers. The connection to the Internet is through two T-1 lines that connects at the high school campus and is broadcast wirelessly to 1 elementary and the intermediate campus. The other elementary campus has a DSL connection (only available to the school). The infrastructure at the high school and intermediate is fiber optic backbone with CAT5 drops and running at 100 mb. At the elementary schools the entire network is through CAT5. Currently the district has 2 distance learning labs and one roaming distance learning cart that are directly connected to Region III Education Service Center in Victoria, Texas via two T-1 lines.

TECHNOLOGY NEEDS:

Based on needs assessment, the following needs were identified:

- Upgrade computers/infrastructure at Markham Elementary
- T-1 Maintenance
- VoIP Telephone Maintenance
- Continue providing staff/community technology training

GOALS, OBJECTIVES, AND STRATEGIES

Goal 1: Ensure that the districts technology is a fundamental part of the total educational process.

Objective 1.1: Integrate technology in all subject areas to increase student performance and achievement

Budget amount: \$5,100.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

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

Strategies		State/Status	Timeline	Person(s) Responsible	Evidence:
1.1.1	Provide all teachers access to educational software suited to their grade level needs. LRPT Correlates: EP04, LAS01, LAS03, LAS08, TL01, TL05, TL06, TL08, TL09, TL12, TL13	State: Original Status: In Progress	August 2010 – August 2013	Superintendent, Campus Principal, Technology Director	Lesson plans and logs of student/technology contact time
1.1.2	Integrate instruction in grade level TEKS and core curriculum with components of technology. LRPT Correlates: LAS12, TL01, TL04, TL05, TL06, TL07, TL08, TL09, TL10, TL12, TL13	State: Original Status: In Progress	August 2010 – August 2013	Campus Principal	Lesson plans

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

Budget amount: \$8,400.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01, ER02

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

Strategies		State/Status	Timeline	Person(s) Responsible	Evidence:
1.2.1	Provide credit recovery for at risk students through use of Nova Net software LRPT Correlates: LAS15, TL01, TL04, TL05, TL06, TL07, TL09, TL12, TL13, TL14, TL15	State: Original Status: In Progress	August 2010 – August 2013	Campus Principal, Counselor	Number of at-risk students attempting credit recovery vs. the number of at-risk students receiving credit.

Objective 1.3: Tidehaven ISD will offer all 9-12 students access to dual credit and college credit classes through the use of distance learning equipment.

Budget amount: \$3,700.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 02, 03, 05, 07, 08, 11, 12

Strategies		State/Status	Timeline	Person(s) Responsible	Evidence:
1.3.1	Tidehaven ISD in partnership with Wharton County Junior College's distance learning program will offer	State: Original Status: In	August 2010 – August 2013	Campus Principal, Counselor	College Transcripts

	dual credit and college level classes. LRPT Correlates:LAS15, TL06, TL09, TL15, TL16	Progress			
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Objective 1.4: 100% of instructional staff will have access to and use of resources needed to address the individual needs of students.

Budget amount: \$80,000.00

LRPT Category: Teaching and Learning

E-Rate Correlates:ER01, ER02

NCLB Correlates: 01, 02, 07, 08, 11, 12

Strategies		State/Status	Timeline	Person(s) Responsible	Evidence:
1.4.1	Teachers will increasingly incorporate technology into lesson presentations using Interactive board Software, PowerPoint, Internet, United Streaming, DVD/VCR, Elmo Digital presentation and other presentation technology. LRPT Correlates:Ep05, I02, I04, I06, I07, I08, TL01, TL05, TL06, TL08, TL09, TL11, TL15, TL16	State: Original Status: In Progress	August 2010 – August 2013	Superintendent, Campus Principal, Technology Director	Lesson Plans
1.4.2	K-5 teachers will use the Accelerated Reader Program to promote and monitor student reading. LRPT Correlates:LAS08, TL04, TL05, TL07, TL11, TL12, TL13	State: Original Status: In Progress	August 2010 – August 2013	Superintendent, Campus Principal, Technology Director	Accelerated Reader Report, Local Review
1.4.3	K-12 teachers use Rosetta Stone software to help provide individualized learning to students with different language skills. LRPT Correlates: LAS05, LAS08, TL04, TL05, TL07, TL08, TL12	State: Original Status: In Progress	August 2010 – August 2013	Superintendent, Campus Principal, Technology Director	Rosetta Stone’s Student Management System, Local Review
1.4.4	Teachers use FitnessGram software to monitor health-related fitness and activity assessments through computerized reporting. LRPT Correlates: LAS05, LAS13, TL16	State: Original Status: In Progress	August 2010 – August 2013	Superintendent, Campus Principal, Technology Director	FitnessGram Assessment, Local Review
1.4.5	Equip each of the district’s libraries with internet ready computers to provide a place for students to perform research based learning, and lesson completion. LRPT Correlates: I04, I05, I06, I09, TL09, TL10, TL12, TL13	State: Original Status: In Progress	August 2010 – August 2013	Superintendent, Campus Principal, Technology Director, District Librarian	Direct Observation, Daily Library Class Logs

Objective 1.5: Technology will be provided to improve communication with parents and the community.

Budget amount: \$22,000.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01 NCLB Correlates: 09, 10					
Strategies		State/Status	Timeline	Person(s) Responsible	Evidence:
1.5.1	Maintain district web site that will provide parents access to school and non-classified student information. LRPT Correlates: I08, I09, LAS09, LAS11, LAS13	State: Original Status: In Progress	August 2010 – August 2013	Superintendent, Technology Director	Program in Place and Online, Local Review
1.5.2	Use of Parent Portal to provide parents with real-time access to their child's attendance and grades. The program will allow the parent to take a more active role in their child's education. LRPT Correlates: I08, LAS09, LAS11, LAS13	State: Original Status: In Progress	August 2010 – August 2013	Superintendent, Campus Principal, Technology Director	
1.5.3	Provide email accounts to all staff members so they may communicate efficiently back and forth with parents. LRPT Correlates: I01, I03, I06, I08, LAS11, LAS13, LAS14	State: Original Status: In Progress	August 2010 – August 2013	Technology Director	Local Review
1.5.4	Each classroom teacher will have a VoIP telephone in their classroom for communication with parents and emergency use. LRPT Correlates: I01, I08, TL16, LAS11	State: Original Status: In Progress	August 2010 – August 2013	Technology Director	Local Review, Monthly Telephone Logs

Objective 1.6: Tidehaven ISD will use technology to serve the needs of the community.

Budget amount: \$8,850.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 03, 08, 10, 12

Strategies		State/Status	Timeline	Person(s) Responsible	Evidence:
1.6.1	Offer adult literacy classes through the use of Rosetta Stone software. Progress is monitored using AimsWeb software. LRPT Correlates: I01, I02, TL10, TL11, TL12, TL15	State: Original Status: In Progress	August 2010 – August 2013	Superintendent, Campus Principal, Technology Director	Weekly Adult Literacy logs
1.6.2	Open LRC after school hours to provide a place for students and parents to work on school work and have access to technology resources. LRPT Correlates: TL09, TL10, TL11, TL12, TL13, TL15, TL16, I01, I03, I05, LAS09	State: Original Status: In Progress	August 2010 – August 2013	Campus Principals	Nightly sign-in sheets

Goal 2: Tidehaven ISD will provide a technology infrastructure that meets the needs of students, faculty, staff and the community.

Objective 2.1: Maintain the district's current infrastructure and upgrade existing equipment to ensure the district has advanced technology to serve the needs of students.

Budget amount: \$170,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

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

Strategies		State/Status	Timeline	Person(s) Responsible	Evidence:
2.1.1	Maintain two T1 connections for the purpose of Internet Access, e-mail communication, Distance Learning, Video conferencing, and web research. LRPT Correlates: I02, I03, LAS03, LAS07, LAS09, LAS11, LAS13	State: Original Status: In Progress	August 2010 – August 2013	Technology Director	Implementation of service, Reports and statements from ISP indicating the T1 line is up and functional
2.1.2	Tidehaven will upgrade ¼ of the district computers, one entire campus each year to stay current with changing technology. LRPT Correlates: I04, I05, I06, I07	State: Original Status: In Progress	August 2010 – August 2013	Technology Director	Purchase Orders and Invoices, Asset Inventory Records
2.1.3	Install and maintain anti-virus software on each server and desktop computer to protect against harmful viruses that could damage Tidehaven's network. LRPT Correlates: I01, I09	State: Original Status: In Progress	August 2010 – August 2013	Technology Director	Program in place and online, Antivirus Server logs
2.1.4	Existing VoIP telephone systems will be maintained and upgraded as needed to ensure communication systems are available for staff members. LRPT Correlates: I01, I05, I08, LAS11	State: Original Status: In Progress	August 2010 – August 2013	Technology Director	Annual telephone maintenance invoice

Objective 2.2: Tidehaven ISD will provide a safe and well-maintained campus environment for all students, staff, faculty and community.

Budget amount: \$70,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02

Strategies		State/Status	Timeline	Person(s) Responsible	Evidence:
2.2.1	All internet access from within the district will be monitored by effective Internet filtering. LRPT Correlates: I07	State: Original Status: In Progress	August 2010 – August 2013	Technology Director	Secure School filter monitoring logs

2.2.2	Continuously monitor Internet usage and filtering by monthly usage reports. LRPT Correlates: I07	State: Original Status: In Progress	August 2010 – August 2013	Technology Director	Monthly Internet Usage reports, Secure School filter monitoring logs
2.2.3	Maintain acceptable use policy at each campus for each student and staff. LRPT Correlates: I05, I06, I09, LAS09, LAS10, TL14	State: Original Status: In Progress	August 2010 – August 2013	Superintendent, Campus Principals, Technology Director	Policy in Place - District Wide Acceptable Use Policy

Goal 3: Administrators will be responsible for integrating technology into district.

Objective 3.1: Administration will be required to receive training on programs used by teachers throughout the district.

Budget amount: \$42,000.00

LRPT Category: Leadership, Administration & Instructional Support

E-Rate Correlates: ER02, ER05

NCLB Correlates: 4a, 4b, 07, 08

Strategies		State/Status	Timeline	Person(s) Responsible	Evidence:
3.1.1	Provide campus related training to all administrative staff LRPT Correlates: EP02, EP03, EP04, EP09, LAS03	State: Original Status: In Progress	August 2010 – August 2013	Superintendent	Training reports, Sign-In sheets
3.1.2	Administration will incorporate projectors, ELMOs, and other technology equipment into district and campus presentations. LRPT Correlates: EP04, EP09, TL06	State: Original Status: In Progress	August 2010 – August 2013	Superintendent, Campus Principals	Local review

Objective 3.2: Technology will be provided to all teachers so that communication with administration and staff will be available.

Budget amount: \$30,000.00

LRPT Category: Leadership, Administration & Instructional Support

E-Rate Correlates: ER01, ER02, ER03

NCLB Correlates: 02, 4b, 12

Strategies		State/Status	Timeline	Person(s) Responsible	Evidence:
3.2.1	Provide email accounts to all staff members so they may communicate efficiently back and forth between staff and administration. LRPT Correlates: I01, I03, I06, LAS14	State: Original Status: In Progress	August 2010 – August 2013	Technology Director	Local Review
3.2.2	Each classroom teacher will have a VoIP telephone in their classroom for communication with administration, staff and emergency use. LRPT Correlates: I01, I03, I06, LAS14	State: Original Status: In Progress	August 2010 – August 2013	Technology Director	Local Review, Monthly Telephone Logs

Goal 4: All teachers will have access to on-going professional development that prepares them to effectively use and integrate technology into their curriculum.

Objective 4.1: Provide technology staff development as requested by campuses or departments.

Budget amount: \$99,000.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER01, ER02

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

Strategies		State/Status	Timeline	Person(s) Responsible	Evidence:
4.1.1	Offer summer staff development and proficiency training to all staff members including librarians, nurses, counselors, and principals. LRPT Correlates: EP01,EP02,EP03, EP04, EP05, EP06, EP07, LAS03, LAS12, TL01, TL02, TL03, TL04, TL05, TL06, TL08, TL12, TL16	State: Original Status: In Progress	August 2010 – August 2013	Superintendent, Campus Principal, Technology Director	Training reports, Sign-In sheets
4.1.2	Computer basic troubleshooting training will be available for all district employees. LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP08, I05, I06, I09, LAS03, LAS08, LAS09, LAS10, LAS13, LAS15, TL04, TL05	State: Original Status: In Progress	August 2010 – August 2013	Superintendent, Campus Principal, Technology Director	Training reports, Sign-In sheets
4.1.3	Provide technical training and support to teachers for their educational software. LRPT Correlates: EP01, EP02, EP05, EP06, EP07, EP08, LAS03, LAS10, TL02, TL04, TL05, TL06, TL07, TL09	State: Original Status: In Progress	August 2010 – August 2013	Director of Technology	Training reports, Sign-In sheets

BUDGET

Budget Year 2010

Budget Item	Cost	Funding Sources
Staff Development	\$26,158.00	State/Local/Federal (85%) Title II Part D (15%)
Telecommunications & Internet Access	\$37,533.00	E-Rate (82%) Local (18%)
Materials & Supplies	\$21,954.00	State/Local (100%)
Equipment	\$42,897.00	E-Rate (82%) State/Local (18%)
Maintenance	\$38,726.00	E-Rate (82%) State/Local (18%)
Miscellaneous Expenses	\$2,500.00	State/Local (100%)
TOTAL	\$169,768.00	

Budget Year 2011

Budget Item	Cost	Funding Sources
Staff Development	\$ 29,215.90	Local (100%)
Telecommunications & Internet Access	\$ 38,409.65	E-Rate (82%) Local (18%)
Materials & Supplies	\$ 32,801.70	Local (100%)
Equipment	\$ 33,041.85	E-Rate (82%) Local (18%)
Maintenance	\$ 42,133.30	E-Rate (82%) Local (18%)
Miscellaneous Expenses	\$ 3,225.00	Local (100%)
TOTAL	\$ 178,827.40	

Budget Year 2012

Budget Item	Cost	Funding Sources
Staff Development	\$ 30,376.70	Local (100%)
Telecommunications & Internet Access	\$ 41,380.13	E-Rate (82%) Local (18%)
Materials & Supplies	\$ 36,741.79	Local (100%)
Equipment	\$37,609.77	E-Rate (82%) Local (18%)
Maintenance	\$41,389.96	E-Rate (82%) Local (18%)
Miscellaneous Expenses	\$2,956.25	Local (100%)
TOTAL	\$190,454.60	

The sum of the total amounts currently allocated in the Objectives for this plan must match the Total Technology Expenditures included in the Budget

EVALUATION

Evaluation Process:

Tidehaven will monitor status of the technology plan on a monthly basis. The Technology planning committee will meet and review the plan and make updates as needed on a quarterly basis. Findings of the evaluation will be reported to the superintendent and board of trustees on an annual basis.

Status was reviewed with committee and Superintendent.

Evaluation Method:

1. Student TAKS results
2. Funding allotment used for Technology
3. State/Federal requirements
4. Teacher/Administrator evaluations
5. Number of members of learning community with distance learning opportunities
6. Number of strategies met with summative evaluation conducted by superintendent along with campus/district improvement teams.
7. Review of CIPs/DIPs and Star Chart
8. Staff and student needs assessment