

# **Cypress-Fairbanks ISD Technology Plan**

**2011 - 2014**

**David Anthony, Ed. D.**

**Superintendent**

## DISTRICT PROFILE

**ESC Region** 4  
**City, State Zip** Houston, TX 77065  
**Phone** (281) 897-4077  
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**County District Number** 101907

<b>Number of Campuses</b>	83
<b>Total Student Enrollment</b>	106114
<b>District Size</b>	50,000 and over
<b>Percent Econ. Disadvantaged</b>	45.00%

<b>Technology Expenditures</b>	<b>\$54,797,367.22</b>
<b>Technology budgets reported in plan by category</b>	Teaching and Learning Budget \$7,489,685.24
	Educator Preparation and Development Budget \$2,046,508.20
	Leadership, Administration and Support Budget \$8,801,795.78
	Infrastructure for Technology Budget \$36,459,378.00
	<b>Total: \$54,797,367.22</b>
<b>Technology Expenditure Per Pupil</b>	\$516.40
<b>Number of Campuses with Direct Connection to Internet</b>	83
<b>Percentage of Campuses with Direct Connection to Internet</b>	100.00%
<b>Number of Classrooms with Direct Connection to Internet</b>	5722
<b>Percentage of Classrooms with Direct Connection to Internet</b>	100.00%
<b>Computer/Student Ratio</b>	3 student(s) for every computer
<b>Computer/Teacher Ratio</b>	1 teacher(s) for every computer
<b>Number of campuses that need to complete the Texas Campus STaR Chart</b>	81
<b>Percentage of campuses that have completed the Texas Campus STaR Chart</b>	100.00 %

## Plan Introduction

Plan Last Edited 03/01/2011

**Plan status:** submitted  
**Years Included in the Plan:** 2011 - 2014  
**Number of years covered by the plan:** 3

**Does the district file E-Rate? yes**

The district had a "written" plan before E-Rate Form 470 was filed on 09/30/,2010.

### Technology Planning Committee

Harold Rowe, Linda Macias, Mary Jadloski, Vicki McComas, Donna Guthrie, Dan McIllduff, Tony Barcelona, Becky Cook, Barbara Levandoski, Pam Edwards, Margaret Reed, Rayyan Amine, Robin McGlohn, Marty Edwards, Jane Flynn, Jay Johnson, Claude Yoas, David Garcia, Debbie Schlutz, Jessica Hughes, Katrina Willard, Mark Calvo, Laura Barrett, Jill Smith, Becky Denton, Glenda Horner, Paula Ross, Fred Brenz, Jennifer Miller, Stacey Stringer, Mike Donnelly, Whitney Timmons, Megan Bittner, Jennifer Bittner, Griffin Judge, Sandra Judge, Christian Rumscheidt, Michelle Logback, Melissa McAnear, Timothy Rocka

## Executive Summary

### Introduction

The Cypress-Fairbanks Independent School District (CFISD) and community have a long history of implementing technology so that students and teachers can be served by technical innovation which supports and enhances the teaching and learning process. This plan, as those of the past, is based on the need for technology to support the delivery of the foundation Texas Essential Knowledge and Skills (TEKS) and to supplement further the instructional experience with access to technology as suggested by the Texas Education Agency (TEA).

To assist districts in technology planning, TEA developed the School Technology and Readiness Chart (STaR) and the state's Long Range Plan for Technology (LRPT). These documents address the major components of successful technology implementation. In developing this plan, CFISD has used STaR, LRPT, the TEKS as well as 21st Century Learning Skills and the International Society for Technology in Education Standards as the principal determinants of need. These resources have been used by the 2007 Bond Technology Subcommittee and by the Technology Planning Committee to help develop this plan.

### Progress

Using student and teacher access to technology and to networking services as indicators of progress, we find the outcomes of each of the district's prior phases of implementation as follows:

Phase	Student Access	Teacher Access	Networking
I. --Before 1994	8:1	3:1	limited dial-up
II. --1994-1998	6:1	2:1	one Internet connection per room
III. --1999-2002	4:1	1:1	multiple connections per room
IV. --2003-2008	3.05:1	1:1	multiple connections per room, limited wireless access, interactive marker boards (IMBs), and limited projectors
V. --2008-2011	2.75:1	1:1	multiple connections per room, ubiquitous wireless access, projectors in every room and IMBs in a two classrooms to one IMB ratio.

Even though these measurements are sufficiently indicative of the significant progress CFISD has made, it is in the services provided by this technology that more directly reveal the value added to the instructional experiences and capability of students, teachers, and administrative staff.

Consider the following services offered in the current environment in contrast with a teaching and learning environment without these services:

- Curriculum-based software for students PK-12
- Integrated textbook software
- District-wide professional development in technology
- On-line library services (at school and from home)
- High speed Internet access
- Network storage for collaboration and sharing of best practices
- Computer access and printers for teachers
- Electronic grades (including parent access) and e-mail
- Wireless laptops for students, including a 1:1 program in 11th grade United States History
- Distance learning technology and web conferencing technology

Indeed, our students and teachers have seen and embraced the relatively rapid infusion of services and capabilities over these past phases. CFISD has provided and will continue to provide its teachers and students with the tools necessary to teach and learn in this, the "digital", century. With the approval of several bond issues, the most recent being the 2007 bond in the amount of \$68,000,000.00 designated for technology, and with various federal and state grants, and local district contributions, CFISD remains committed to technology as a critical, enabling resource.

### Needs, Goals and Objectives

From the input received from the Technology Planning Committee consisting of students, parents, teachers, curriculum staff, and campus administrators as well as the analysis of the Bond Technology Subcommittee, the following needs have been identified. Accordingly, the appropriate goals and objectives are associated with these needs.

**Need 1** – The district has a need to increase the frequency and level of utilization of technology in the teaching and learning process. The Technology Application TEKS provide a framework for the integration of technology into the students' learning experience. When coupled with the technology-based elements of content TEKS, the student has substantial opportunity to use technology to assist in learning.

**Goal 1** - Improve academic achievement by allowing students to participate in opportunities that allow collaboration, communication, critical thinking, problem-solving, creativity and innovation to solve real-world problems in an effort to achieve the Target Tech Level in the Texas STaR Chart.

### Objectives

1. Increase the pattern of classroom use to the Target Tech level as evidenced by classrooms where teachers are seamlessly integrating technology in a student-centered environment.
2. Increase the frequency of use of digital content to the Advanced Tech level by providing teachers with daily access and use of a variety of digital tools and resources.
3. Increase content area connections to the Advanced Tech level as evidenced by teachers using technology to support the development of 21 Century Learning Skills and collaboration while incorporating technology in their subject area TEKS.
4. For grades K-8, increase the integration of Technology Applications (TA) TEKS as appropriate into content area and grade level instruction to the Advanced Tech; for grades 9-12, maintain the Target Tech level by offering at least four Technology Applications high school courses.
5. Maintain student mastery of Technology Application (TA) TEKS (86% to 100%) at the Target Tech level.
6. Increase online learning to the Target Tech level by allowing students to access teacher-created online TEKS-based content, resources and learning activities and interactive communications that support learning objectives throughout the curriculum.

Need 2 – The district has a continuing need to maintain and increase the level of professional development necessary to assist teachers in using technology effectively in the teaching and learning process.

The State Board of Educator Certification (SBEC) has developed technology standards for all teachers regarding the use of technology. CFISD is committed to delivering effective professional development centered around the SBEC Teacher Technology Standards. Similarly, the International Society for Technology in Education (ISTE) has adopted the National Educational Technology Standards for School Administrators so that they can more fully lead the use of technology in their schools.

Goal 2 - Provide school district staff with opportunities to learn how to appropriately integrate technology as a tool utilizing collaborative, interactive and customized learning environments in an effort to achieve the Target Tech level in the Texas STaR Chart.

### Objectives

1. Increase the content of professional development to the Target Tech level by providing opportunities for teachers to participate in the development of strategies to create new learning environments that empower students to think critically to solve real-world problems and collaborate with experts across business, industry and higher education.
2. Increase the models of professional development to the Advanced Tech level by providing on-going professional development utilizing multiple staff development models.
3. Increase the capabilities of educators to demonstrate proficiency of at least four State Board of Education (SBEC) Standards to achieve the Target Tech level.
4. Increase participation in technology professional development (19-29 hours) to achieve the Advanced Tech level.
5. Increase the levels of understanding and patterns of use to the Target Tech level as evidenced by most teachers utilizing digital tools in and across content areas to promote 21st Century Learning skills.
6. Maintain the professional development for online learning at Target Tech by promoting participation in professional development on the customization of online courses or content for appropriate subject areas.

Need 3: The district has a need to continue to provide administrative leadership and support for teachers in the use of technology. Additionally, the district needs to continue to invest in upgrades and new technology-based products and services to increase the district's operating efficiency and effectiveness.

Goal 3 - Increase the level of administrative support and use of technology in all focus areas as represented in the STaR Chart.

### Objectives

1. Increase the degree to which campus and district leadership promotes continuous innovation with technology leading to increased student achievement and operating effectiveness.
2. Increase the level of technology involvement in district and campus plans such that technology benchmarks based on SBEC standards are established annually, leading to the Advanced Tech level.
3. Increase instructional support for the use of technology by creating learning communities and teacher cadres which allow teachers to use technology to maximize teaching and learning.
4. Increase the degree to which campuses and the district uses technology to collaborate with and communicate with stakeholders to the Target Tech level.
5. Continue to provide the budgetary support for campuses to realize all technology strategies outlined in the Campus Improvement Plans as specified at the Target Tech level.
6. Increase online learning to the level of Advanced Tech as defined by the STaR chart.
7. Increase the degree to which campus and district administrators utilize technology to improve productivity and effectiveness.

Need 4 - The district has a need to continue to update and enhance its technology infrastructure consistent with the Texas STaR chart and as necessary to support the teaching, learning, professional development and administrative needs of the district. All stakeholders recognize the need for the provisioning, maintenance, and replacement of assets. This is particularly true for technology assets.

Goal 4 - Provide an infrastructure system that allows all users 24/7 access to all e-learning opportunities and provide technical assistance to support instructional and administrative needs to achieve the Advanced or Target Tech levels in the Texas STaR Chart.

### Objectives

1. Maintain a student-to-computer ratio of 2.75 to 1, the five year replacement schedule, and implement the Target Tech ratio of 1 to 1 when needed.

2. Maintain and increase as necessary the district's internet connectivity and speed at the Target Tech level.
3. Provide additional classroom technology to enhance student instruction at the Advanced Tech level.
4. Maintain current technical support levels at Developing Tech.
5. Improve Local and Wide Area Network capability to Target Tech capability.
6. Maintain and increase distance learning capacity to that of Advanced Tech.

#### Professional Development

CFISD continues to recognize the importance of professional development in the successful implementation of technology. As in the past, CFISD will provide the necessary professional development. Key enablers of this commitment are as follows:

- . District Director of Instructional Technology
- District Technology Training Specialist
- Ten (10) district-wide Instructional Technology Specialists
- Technology Liaisons at every campus (stipends provided)
- District-wide in-service training in technology, many conducted online
- Training of technical staff as appropriate

In addition, campuses engage in professional development related to technology grants and conduct campus-based peer training.

#### Budget Considerations

Funding for technology is provided by bond funds, the district's Maintenance and Operations (M&O) fund, the state-funded Technology Allotment and federal programs. Bond funds are used for the purchase of capital items and related services and supplies. M&O funds, Technology Allotment funds and federal funds are used for district staff and other operating expenses such as training, software and maintenance. In 2007, Cypress-Fairbanks passed a bond in the amount of \$68,000,000 to service technology needs through 2014.

#### Evaluation

The four goals of the Cypress-Fairbanks ISD Technology Plan will be evaluated using the objectives under each goal. Evidence related to the objectives will be collected periodically from the Fall of 2011 through the Spring of 2014.

Evaluation Participants: Curriculum staff, instructional technology staff, teachers, campus technology teams, media specialists, and campus administrative teams will collaborate with the district's Department of Planning, Research, and Evaluation to implement the evaluation process.

Evaluation Strategies: Direct observations of teacher and student activities in the classroom will be central in the evaluation process. Examinations of classroom work products, various written records, including purchasing and receiving records, will be included. Demonstrations of technology implementation and classroom use will be available.

Teacher STaR Chart Self Assessment: Throughout the evaluation process, the results of the teacher self assessment will be monitored, and teachers and campuses will be provided with feedback related to their progress. Teachers will periodically complete self assessments relative to the most basic level, Early Tech, then Developing Tech, progressing to Advanced Tech, and finally Target Tech, where students have on demand access to technology and where activities are seamlessly integrated into all content areas. Also included at the Target Tech level, district staff will meet the SBEC standards and all classrooms will be connected to WAN. (For additional information, please see the "Evaluation" section of the plan.)

## Needs Assessment

### Assessment Process:

In 2007, the district engaged in a bond study process which included a review of the district's technology needs through 2012-2013. During the course of this process, members of the community, teachers and support staff studied the existing condition of the district's technology, reviewed the LRPT, analyzed national, regional, and local data relating to educational technology, reviewed current and forecasts regarding technology and, most importantly, gave thoughtful consideration to the use of technology in its direct and supportive roles in implementing the TEKS. This process resulted in a successful bond election which fully funded the needs developed from the bond study(assessment) process.

The district has now constituted another committee to develop the current plan. The Planning Committee also reviewed the status of the plan resulting from the bond election and assisted in veloping the technology plan covering the period 2011-2014. Committee members reviewed current district STaR data, the LRPT, ISTE NETS-S, ISTE NETS-T, ISTE NETS-A and 21st Century Learning Skills to develop an understanding of the current technology trends in education. The committee's thoughtful evaluation and consideration of the information and of the bond plan needs and goals led to the development of several objectives as presented in this plan.

### Existing Conditions:

As discovered in the bond planning process and, more recently, in the technology planning process, the district realized that much progress had been made in meeting needs and that the district should continue and elevate its past efforts - principally focusing on Teaching and Learning and professional development. These two key areas of the Texas STaR Chart, along with conditions in the administrative and infrastructure areas are stated below.

1. The district has made progress in using technology in the teaching and learning process but there is significant opportunity to extend the breadth and depth of that effort. The district has continually invested in hardware and software and teachers have increasingly included these resources in their instructional practices and desire to do even more. The district's rating on STaR is 14, Developing Tech. The maximum rating is 24, Target Tech.
2. The district's STaR rating for Educator Preparation and Development is 13, Developing Tech, out of a maximum rating of 24, Target Tech. Teachers and the district continue to invest in training and assistance. The level of progress toward Target Tech can be accelerated.
3. The district's STaR rating for leadership, which generally describes the support for the use of technology in teaching and learning and the level of implementation of technology to support administrative operations of the district, is rated 16, Advanced Tech. The maximum rating is 24, Target Tech. The district continues to provide outstanding support to teachers and makes effective investments to make district operations very efficient.
4. The district's STaR rating for Infrastructure is 16, Advanced Tech. The maximum rating possible is 24, Target Tech. The primary focus of the district's bond projects for Technology has been targeted on infrastructure, principally computers, networking equipment, interactive marker boards and projector technologies.

### Technology Needs:

Statements of need were agreed upon by both the bond and technology committees. These needs are completely derived from the above-referenced assessment and are re-stated here.

Need 1: The district has a need to increase the frequency and level of utilization of technology in the teaching and learning process.

Need 2: The district has a continuing need to maintain and increase the level of professional development necessary to assist teachers in using technology effectively in the teaching and learning process.

Need 3: The district has a need to continue to provide administrative leadership and support for teachers in the use of technology. Additionally, the district needs to continue to invest in upgrades and new technology-based products and services to increase the district's operating efficiency and effectiveness.

Need 4: The district has a need to continue to update and enhance its technology infrastructure consistent with the Texas STaR chart and as necessary to support the teaching and learning, professional development, and administrative needs of the district.

## Goals, Objectives, and Strategies

**GOAL 1: Improve academic achievement by allowing students to participate in opportunities that allow collaboration, communication, critical thinking, problem-solving, creativity and innovation to solve real-world problems in an effort to achieve the Target Tech Level in the Texas STaR Chart.**

**OBJECTIVE 1.1:**

Increase the pattern of classroom use to the Target Tech level as evidenced by classrooms where teachers are seamlessly integrating technology in a student-centered environment.

*Budget Amount \$399,196.53*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 04a, 04b

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.1.1: Provide district support staff with 21st Century Learning Skills training to address digital age literacy, inventive thinking, effective communication, and high productivity to enhance curriculum transformation and implementation.  LEA LRPT Correlates: EP02, EP06, EP09, LAS03, TL05, TL08, TL12	State: Original  Status: Planned	July 2011 - July 2014	Instructional Technology Department, Curriculum, Instruction and School Administration Department	Attendance Records, Training documents
1.1.2: Develop and incorporate 21st Century Learning Skills, such as the effective use of real-world tools and the development of cultural literacy and global awareness, higher order thinking, collaboration, creativity, curiosity and risk-taking, and civic responsibility to produce high quality results on Quadrant D learning (RRR) within content lessons.  LEA LRPT Correlates: LAS01, TL08, TL12, TL13	State: Original  Status: Planned	July 2011 - July 2014	Curriculum, Instruction and School Administration Department, Instructional Technology Department	Lessons in the curriculum management system
1.1.3: Implement 21st Century Learning Skills within current content training and support structures for teachers.  LEA LRPT Correlates: EP08, EP09	State: Original  Status: Planned	July 2012 - July 2014	Curriculum, Instruction and School Administration Department	Classes posted in Avatar, Attendance records, Coaching records
1.1.4: Observe and provide feedback to teachers as they implement 21st Century Learning Skills within content lessons.  LEA LRPT Correlates: EP01, EP03, EP08, EP09, TL05, TL07, TL08, TL09, TL12	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Curriculum, Instruction and School Administration Department	Coaching records, walk-through data
1.1.5: Develop a cadre of teachers for each curriculum area to write content lessons to be posted in the curriculum management system that incorporate 21st Century skills and digital tools.  LEA LRPT Correlates: LAS10, TL01, TL03, TL08, TL09, TL12	State: Original  Status: Planned	July 2011 - August 2012 July 2012 - August 2013 July 2013 - August 2014	Curriculum, Instruction and School Administration Department	Attendance records, lessons developed and placed in iXplore, the curriculum management system.

1.1.6:	Solicit and utilize feedback from students to enhance and improve content lessons and technology use in all classrooms.  Comments: Feedback will be obtained from students via face-to-face meetings and surveys.  LEA LRPT Correlates: TL05, TL08, TL09, TL12	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Curriculum, Instruction and School Administration Department	Attendance records, survey results
<p><b>OBJECTIVE 1.2:</b></p> <p>Increase the frequency of use of digital content to the Target Tech level by providing teachers with daily access and use of a variety of digital tools and resources.</p> <p><i>Budget Amount \$397,645.59</i> <i>LRPT category: Teaching and Learning</i></p> <p>E-Rate Correlates: ER02 NCLB Correlates: 01, 03, 08, 12</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.2.1:	Collaborate with curriculum department to ensure that 21st Century Learning skills, including technology, are integrated into lessons that are uploaded into the curriculum management system.  Comments: ISTE NETS-S, 21st Century Learning Skills, College and Career Readiness Standards and Rigor, Relevance and Relationship (Quadrant D) will be used as guiding documents.  LEA LRPT Correlates: TL05, TL08, TL09	State: Original  Status: Planned	July 2011 - July 2014	Curriculum, Instruction and School Administration Department Instructional Technology Department	Lessons developed
1.2.2:	Provide professional development opportunities on the use of interactive white boards, online resources, wireless laptops and other digital tools to support content and 21st century learning skills.  LEA LRPT Correlates: EP09, I01, I09, LAS03, TL01, TL03, TL05, TL08	State: Original  Status: Planned	July 2011 - August 2014	Curriculum, Instruction and School Administration Department Instructional Technology Department	Class offerings, attendance records
1.2.3:	Conduct professional development opportunities for teachers through the campus technology teams on how to utilize digital tools to create student-generated 21st Century Learning projects.  LEA LRPT Correlates: EP01, EP08, EP09, TL05, TL08, TL12, TL13	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Campus Technology Teams, Campus Administration, Instructional Technology Department, Curriculum, Instruction and School Administration Department	Course offerings, attendance records, training materials
1.2.4:	Utilize the Internet and digital tools available to students to solve real-world problems.  LEA LRPT Correlates: I05, I09, TL08, TL09, TL10, TL11, TL12	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Classroom Teachers, Campus Administration, Curriculum, Instruction and School Administration Department, Instructional Technology Department	Lesson plans, walk-through data

1.2.5:	Provide professional development opportunities on Quadrant D, problem-based, or issue-based products and projects across all content areas.  LEA LRPT Correlates: EP01, EP09, LAS03, TL08, TL10, TL12	State: Original  Status: Planned	July 2011 - July 2014	Curriculum, Instruction and School Administration Department	Course offerings, attendance records
<b>OBJECTIVE 1.3:</b>					
Increase content area connections to the Advanced Tech level as evidenced by teachers using technology to support the development of 21st Century Learning Skills and collaboration while incorporating technology in their subject area TEKS.					
<i>Budget Amount \$5,494,307.39</i>					
<i>LRPT category: Teaching and Learning</i>					
E-Rate Correlates: ER01, ER02					
NCLB Correlates: 04a, 04b, 07					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.3.1:	Model the use of collaborative tools (i.e., Adobe Connect, Google Docs, Web 2.0 tools, etc.) when providing professional development to increase the use of the tools in the classroom.  LEA LRPT Correlates: EP01, EP09, TL08, TL12	State: Original  Status: Planned	July 2011 - August 2014	All campus and district-level professional development providers	Course offerings, attendance records, training materials
1.3.2:	Provide weekly opportunities for students to use interactive white boards, online resources, laptops and other digital tools to support 21st Century and Quadrant D learning.  LEA LRPT Correlates: I05, I09, LAS10, TL08, TL12, TL16	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Classroom Teachers, Campus Administrators, Curriculum, Instruction and School Administration Department, Instructional Technology Department	Lesson plans, walk-through data
1.3.3:	Utilize distance learning opportunities on the elementary, middle, and high school campuses to allow students to collaborate with other students, both in district and out of district.  LEA LRPT Correlates: I09, LAS15, TL08, TL12, TL13	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Classroom teachers, Instructional Technology	Database reports, walk-through data, lesson plans, coaching reports
1.3.4:	Provide equal access for concurrent credit opportunities on all high school campuses through the utilization of distance learning equipment.  LEA LRPT Correlates: EP08, I09, TL12, TL13	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Curriculum, Instruction and School Administration Department, Campus Administration, Instructional Technology Department	Master schedules, individual student schedules, coaching reports
1.3.5:	Provide assistive technology devices and software for students for students with special needs as recommended by the Admission, Review and Dismissal(ARD)Committee.  LEA LRPT Correlates: I05, I09, TL09	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Admission, Review and Dismissal Committee (ARD), Special Education Department, Desktop Support Services	ARD records, delivery tickets

1.3.6:	Continue to utilize web-based programs (such as ST Math, Explore Learning, Achieve 3000, Read 180, etc.) to support academic achievement and add to campuses as needed.  LEA LRPT Correlates: TL05, TL07, TL13	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Curriculum, Instruction and School Administration Department, Instructional Technology and Desktop Support Services Departments	Walk-through data, purchase orders, program reports, data review sessions
1.3.7:	Teach students to utilize research strategies to evaluate their work, both process and product.  LEA LRPT Correlates: TL08, TL10, TL11	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Classroom teachers, Curriculum, Instruction and School Administration Departments	Walk-through data, student products, lesson plans
1.3.8:	Provide instructional materials to persons with visual impairments or other persons with print disabilities.  LEA LRPT Correlates: I09, TL09	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Special Education Department	Purchase orders, delivery tickets

**OBJECTIVE 1.4:**

For grades K-8, increase the integration of Technology Applications (TA) TEKS as appropriate into content area and grade level instruction to the Advanced Tech level; for grades 9-12, maintain the Target Tech level by offering at least four Technology Applications high school courses.

*Budget Amount \$346,484.07*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 04a, 07

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.4.1: Promote students' engagement in learning activities that require 21st Century Learning skills by providing teachers and appraisers with content specific staff development on how digital tools support and enhance the learning environment.  Comments: 21st Century Skills include Creativity, Innovation, Communication, Collaboration, Research and Information Fluency, Critical Thinking, Problem Solving, Decision Making, and Digital Citizenship.  LEA LRPT Correlates: EP01, EP06, EP08, LAS03, TL08, TL12, TL13	State: Original  Status: Planned	July 2011 - August 2014	Curriculum, Instruction and School Administration Department	Course offerings, attendance records, training materials
1.4.2: Develop and refine students' 21st Century Learning skills by extending the depth and complexity of lessons through the use of digital tools.  Comments: 21st Century Skills include Creativity, Innovation, Communication, Collaboration, Research and Information	State: Original  Status: Planned	July 2011 - July 2014	Curriculum, Instruction and School Administration Departments	Lesson plans, walk-through data

	Fluency, Critical Thinking, Problem Solving, Decision Making, and Digital Citizenship.  LEA LRPT Correlates: EP01, LAS10, TL01, TL08, TL12, TL13				
1.4.3:	Implement use of streaming video system to enhance the teaching of content TEKS.  LEA LRPT Correlates: I05, I09, TL08, TL09, TL13	State: Original  Status: Planned	January 2012 - May 2013	Technology Network Services, Instructional Technology, Curriculum, Instruction and School Administration Department	Purchase orders, course offerings, attendance records, walk-through data

**OBJECTIVE 1.5:**

Maintain student mastery of Technology Application (TA) TEKS (86% to 100%) at the Target Tech level.

*Budget Amount \$315,104.70*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER02

NCLB Correlates: 04a, 07

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.5.1: Work collaboratively with curriculum staff to ensure that TA TEKS are addressed through topic specific lessons to ensure digital citizenship and Acceptable Use Policies are included in curriculum guides.  LEA LRPT Correlates: TL01, TL14	State: Original  Status: Planned	July 2011 - August 2011	Instructional Technology Department Curriculum, Instruction and School Administration Department	Lesson plans, walk-through data
1.5.2: Provide training to develop lessons that integrate content and TA TEKS.  LEA LRPT Correlates: EP01, EP02, LAS03, LAS10, TL01, TL03	State: Original  Status: Planned	July 2011 - August 2014	Curriculum, Instruction and School Administration Department Instructional Technology Department	Lesson plans, walk-through data, curriculum management system lessons
1.5.3: Design a content-based e-portfolio which utilizes technology skills and tools for grades 2 and 5 to determine student progress on TA TEKS.  LEA LRPT Correlates: EP09, TL01, TL02, TL08	State: Original  Status: Planned	July 2011 - January 2012	Instructional Technology Department Elementary Curriculum and Instruction	Attendance records, lesson plans, evaluation tools
1.5.4: Provide training for content teachers regarding standards and rubrics to ensure consistent measurement of student attainment of TA TEKS.  LEA LRPT Correlates: EP01, EP02, LAS10, TL01, TL02, TL04, TL06	State: Original  Status: Planned	February 2012 - August 2012	Elementary Curriculum and Instruction Instructional Technology	Course offerings, attendance records, training materials
1.5.5: Implement a content-based e-portfolio which utilizes technology skills and tools at the end of 2nd, 5th and 8th grades to measure student attainment of TA TEKS.  LEA LRPT Correlates: I09, TL01, TL02, TL05	State: Original  Status: Planned	August 2012 - May 2013 August 2013 - May 2014	Curriculum, Instruction and School Administration Department Instructional Technology Department	Student project portfolio, teacher records

**OBJECTIVE 1.6:**

Increase online learning to the Advanced Tech level by allowing students to access teacher-created online TEKS-based content, resources and learning activities and interactive communications that support learning objectives throughout the curriculum.

*Budget Amount \$536,946.96*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01

NCLB Correlates: 02, 03, 08					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.6.1:	Collaborate with curriculum department to design professional development opportunities focused on teaching teachers to create web-based, TEKS-based lessons for students.  LEA LRPT Correlates: EP01, EP02, EP09, TL01, TL13, TL16	State: Original  Status: Planned	July 2011 - July 2014	Curriculum, Instruction and School Administration Department Instructional Technology	Course offerings, attendance records, training materials
1.6.2:	Provide professional development opportunities for teachers to create and use web-based lessons, digital portfolios, and wikis in the classroom.  LEA LRPT Correlates: EP01, EP08, EP09, TL07, TL08, TL09, TL12, TL13, TL16	State: Original  Status: Planned	July 2011 - August 2014	Curriculum, Instruction and School Administration Department Instructional Technology Department	Course offerings, attendance records, training materials
1.6.3:	Utilize wikispaces, blogs and other Web 2.0 tools as a way to provide interactive communications between students and teachers.  LEA LRPT Correlates: TL08, TL09, TL12, TL13, TL16	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Curriculum, Instruction and School Administration Department Instructional Technology Department	Lesson plans, walk-through data
1.6.4:	Provide opportunities for students to participate in wikis, blogs, Moodle, Project Share, etc. to enhance collaboration and creativity with other students, both inside and outside the district.  LEA LRPT Correlates: TL07, TL08, TL09, TL12	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Classroom Teachers, Campus Administration, Curriculum, Instruction and School Administration Department Instructional Technology Department	Lesson plans, walk-through data
1.6.5:	Provide opportunities for students to create a digital portfolio as a capstone project to showcase their learning experiences.  LEA LRPT Correlates: TL08, TL09, TL12	State: Original  Status: Planned	January 2011 - May 2012 January 2012 - May 2013 January 2013 - May 2014	Classroom Teachers, Campus Administrators	Student portfolios, walk-through data
1.6.6:	Provide online learning opportunities via a CFISD virtual school.  LEA LRPT Correlates: EP08, I01, I09, TL08, TL09, TL12, TL13	State: Original  Status: Planned	July 2011 - August 2014	Curriculum, Instruction and School Administration Department	Course offerings, student attendance records, master schedules, student schedules

**GOAL 2: Provide school district staff with opportunities to learn how to appropriately integrate technology as a tool utilizing collaborative, interactive and customized learning environments in an effort to achieve the Target Tech level in the Texas STaR Chart.**

**OBJECTIVE 2.1:**

Increase the content of professional development to the Target Tech level by providing opportunities for teachers to participate in the development of strategies to create new learning environments that empower students to think critically to solve real-world problems and collaborate with experts across business, industry and higher education.

*Budget Amount \$380,655.21*

*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER02

NCLB Correlates: 01, 04b

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.1.1:	Meet with Campus Leadership Teams to determine professional development needs for their campuses based on the Teacher STaR Chart information, the campuses' Texas STaR Chart information and the Levels of Teacher Innovation Questionnaire.  LEA LRPT Correlates: EP09, LAS03, LAS10	State: Original  Status: Planned	November 2011 November 2012 November 2013	Instructional Technology Department	StaR Chart data Campus Improvement Plan
2.1.2:	Utilize online training site for teachers to understand the framework of the STaR Chart.  LEA LRPT Correlates: EP05, EP08	State: Original  Status: Planned	September - October 2011 September - October 2012 September - October 2013	Instructional Technology Department	Training materials created Attendance records Teacher transcripts
2.1.3:	Provide campus staff with 21st Century Learning Skills training to incorporate higher-order thinking skills, increase the level of student engagement, focus on solving real-world problems, and use appropriate digital tools.  LEA LRPT Correlates: EP01, EP08, LAS06, TL08, TL12, TL13	State: Original  Status: Planned	July 2011 - August 2014	Curriculum, Instruction and Administration Department Instructional Technology Department	Course offerings Teacher transcripts Lesson Plans Walk-throughs
2.1.4:	Provide staff with training to utilize distance learning tools to connect to other students, professionals, and experts, such as NASA, Smithsonian, and Connect 2 Texas to allow students to think critically and collaborate outside the classroom.  LEA LRPT Correlates: EP08, EP09, TL13	State: Original  Status: Planned	August 2011 - August 2014	Curriculum, Instruction and School Administration Department Instructional Technology	Course offerings Teacher transcripts Lesson Plans Walk-through data Mega-Monitoring

**OBJECTIVE 2.2:**

Increase the models of professional development to the Target Tech level by providing on-going professional development utilizing multiple staff development models.

*Budget Amount \$341,346.27*

*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER02

NCLB Correlates: 01, 04b, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
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2.2.1:	Collaborate with curriculum coordinators to design professional development opportunities that focus on the transparent use of technology and the alignment to content TEKS.  LEA LRPT Correlates: EP01, TL01, TL08, TL13	State: Original  Status: Planned	July 2011 - July 2014	Curriculum, Instruction, and School Administration Department Instructional Technology Department	Course offerings Teacher transcripts Lesson Plans Walk-through data Mega-Monitoring
2.2.2:	Provide professional development for district and campus leaders to recognize effective use of technology aligned with and supporting district initiatives such as Rigor, Relevance and Relationships, Marzano's Strategies, Quantum Learning, and Differentiated Instruction.  LEA LRPT Correlates: EP08, LAS10	State: Original  Status: Planned	July 2011 - August 2014	Curriculum, Instruction and School Administration Department Instructional Technology	Course offerings for administrators Lesson Plans Walk-through data Mega-Monitoring
2.2.3:	Provide professional development opportunities focused on technology skills for College and Career Readiness.  LEA LRPT Correlates: EP01, EP04, EP08, LAS10	State: Original  Status: Planned	July 2011 - August 2014	Curriculum, Instruction and School Administration Department Instructional Technology Department	Course offerings Teacher transcripts Lesson Plans Walk-through data Mega-Monitoring
2.2.4:	Provide professional development on the effective use of I-Xplore Curriculum Management System.  LEA LRPT Correlates: EP03, EP08, I09, LAS08	State: Original  Status: Planned	July 2011 - August 2014	Curriculum, Instruction and School Administration Information Services Instructional Technology Department	Course offerings
2.2.5:	Provide professional development on the use of Project Share for teachers and administrators.  LEA LRPT Correlates: EP06, EP08, LAS03	State: Original  Status: Planned	July 2011 - August 2014	Instructional Technology Department Curriculum, Instruction and School Administration Department	Course Offerings

**OBJECTIVE 2.3:**

Increase the capabilities of educators to demonstrate proficiency of the five State Board of Education (SBEC) Standards to achieve the Target Tech level.

*Budget Amount \$187,470.27*

*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER02

NCLB Correlates: 01, 04b

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.3.1:	Review and evaluate products that provide teacher SBEC proficiency training.  LEA LRPT Correlates: EP04, EP05, LAS12	State: Original  Status: Planned	July 2011 - August 2011	Instructional Technology Department Curriculum, Instruction and School Administration Department	Agenda items, meeting dates

2.3.2:	Administer Pre- and Post- tests to determine SBEC teacher proficiencies.  LEA LRPT Correlates: EP04, EP05, LAS12	State: Original  Status: Planned	September 2011 September 2012 (new staff only) September 2013 (new staff only)	Instructional Technology Department Curriculum, Instruction and School Administration Department	Proficiency Reports
2.3.3:	Evaluate teacher progress in acquiring SBEC proficiencies.  LEA LRPT Correlates: EP04, EP05, LAS12	State: Original  Status: Planned	May 2012 May 2013 May 2014	Instructional Technology Department Curriculum, Instruction and School Administration Department	Proficiency reports
2.3.4:	Promote and encourage educator participation in the Master Technology Teacher program.  LEA LRPT Correlates: EP07	State: Original  Status: Planned	July 2011 - June 2014	Instructional Technology	Certificates of completion

**OBJECTIVE 2.4:**

Increase participation in technology professional development (19-29 hours) to achieve the Advanced Tech level.

*Budget Amount \$360,681.90*

*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER02

NCLB Correlates: 01, 04a, 04b

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.4.1:	Develop training to promote 21st Century Learning Skills which include higher-order thinking, collaborative and interactive classroom environments, real-world problem-solving and use of digital tools.  LEA LRPT Correlates: EP01, EP09, TL08, TL09	State: Original  Status: Planned	July 2011 - August 2011	Curriculum, Instruction and School Administration Department Instructional Technology	Training materials
2.4.2:	Provide training to promote 21st Century Learning Skills which include higher-order thinking, collaborative and interactive classroom environments, real-world problem-solving and use of digital tools.  LEA LRPT Correlates: EP01, EP08, TL01, TL08, TL09, TL12, TL13	State: Original  Status: Planned	August 2011 - August 2014	Curriculum, Instruction and School Administration Department Instructional Technology Department	Course offerings, attendance records
2.4.3:	Collaborate with district staff to develop and provide the critical technology professional development course offerings needed to promote 21st Century Learning Skills --critical thinking, collaboration, communication, creativity.  LEA LRPT Correlates: EP01, EP09, LAS10, TL08, TL12	State: Original  Status: Planned	July 2011 - August 2014	Curriculum, Instruction and School Administration Department Instructional Technology Department	Course offerings Teacher transcripts Lesson Plans Walk-through data Mega-Monitoring

**OBJECTIVE 2.5:**

Increase the levels of understanding and patterns of use to the Target Tech level as evidenced by most teachers utilizing digital tools in and across content areas to promote 21st Century Learning Skills.

*Budget Amount \$431,613.21*

*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER02  
 NCLB Correlates: 01, 04a, 04b, 08

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.5.1:	Utilize distance learning tools district-wide to facilitate professional development opportunities.  LEA LRPT Correlates: EP08, EP09, LAS15, TL08, TL09, TL13, TL16	State: Original  Status: Planned	July 2011 - August 2014	Curriculum, Instruction and School Administration Department Instructional Technology Services Network Support Services	Course offerings Teacher transcripts
2.5.2:	Provide professional development for teachers to create interactive, online learning environments.  LEA LRPT Correlates: EP09, LAS15, TL08, TL09, TL16	State: Original  Status: Planned	July 2011 - August 2014	Curriculum, Instruction and School Administration Department Instructional Technology Department	Course offerings Teacher transcripts Lesson Plans Walk-through data Mega-Monitoring
2.5.3:	Provide professional development for campus leadership teams on ways to communicate to the community how technology is being utilized on their campuses (school newsletters, campus website, etc.).  LEA LRPT Correlates: TL15, TL16	State: Original  Status: Planned	July 2011 - August 2011 July 2012 - August 2012 July 2013 - August 2013	Curriculum, Instruction and School Administration Department Instructional Technology Department	School newsletters Campus websites Course offerings Attendance records
2.5.4:	Increase the number of Volunteers in Public Schools (VIPS) trained in the use of technology by expanding the number and location of training opportunities.  LEA LRPT Correlates: TL15	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Curriculum, Instruction and School Administration Department Instructional Technology Department	Course offerings Attendance data Campus volunteer data

**OBJECTIVE 2.6:**

Increase the professional development for online learning to Target Tech by promoting participation in professional development on the customization of online courses or content for appropriate subject areas.

*Budget Amount \$344,741.34*  
*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER01, ER02  
 NCLB Correlates:

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.6.1:	Offer blended, online and professional learning network opportunities to assist administrators in focusing classroom instruction on 21st Century Learning Skills.  LEA LRPT Correlates: EP08, EP09, LAS03, TL08, TL09, TL12, TL13	State: Original  Status: Planned	July 2011 - August 2014	Curriculum, Instruction and School Administration Department	Course offerings Teacher transcripts

2.6.2:	Provide online professional development to district and campus staff on the effective use of CFISD Curriculum Management System (iXplore).  LEA LRPT Correlates: EP03, LAS03, LAS08, TL04, TL05	State: Original  Status: Planned	July 2011 - July 2014	Curriculum, Instruction and School Administration Department Instructional Technology Information Services	Course offerings Teacher transcripts
2.6.3:	Develop capacity for creating and facilitating online courses.  LEA LRPT Correlates: I01, I03, I09, LAS15, TL09, TL13, TL16	State: Original  Status: Planned	July 2012 - August 2014	Curriculum, Instruction and School Administration Department Instructional Technology Department Network Services Department	Course offerings

**GOAL 3: Increase the level of administrative support and use of technology in all focus areas as represented in the STaR Chart.**

**OBJECTIVE 3.1:**

Increase the degree to which campus and district leadership promotes continuous innovation with technology leading to increase student achievement and operating effectiveness.

*Budget Amount \$6,387,395.24*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 04a, 08

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
3.1.1:	Provide professional development for administrative teams that focuses on Quadrant D learning as outlined by the Rigor, Relevance and Relationships Framework.  LEA LRPT Correlates: EP01, EP08, EP09, LAS03, LAS05, TL08	State: Original  Status: Planned	August 2011 - May 2014	Curriculum, Instruction and Administration Department, Campus Administration, Student Services and Guidance and Counseling.	Course offerings and items on various agendas.
3.1.2:	Provide face to face or virtual training to principals, that focuses on creating a 21st Century Learning environment at the campus level.  LEA LRPT Correlates:	State: Original  Status: Planned	August 2011 – May 2014	Curriculum, Instruction and School Administration Department Campus Administration	Course offerings and items on various agendas
3.1.3:	Include a technology agenda item at each curriculum council meeting.  LEA LRPT Correlates: EP04, EP05, EP09, LAS03, LAS10, TL07, TL08, TL09	State: Original  Status: Planned	August 2011 – May 2014	Curriculum, Instruction and School Administration Instructional Technology	Agenda items
3.1.4:	Implement the curriculum management system, iXplore, to enable teachers and administrators to coordinate the use of electronic student data and research-based strategies to create lessons to promote student achievement.  LEA LRPT Correlates: LAS08, TL04, TL05, TL06, TL07	State: Original  Status: Planned	August 2011 - May 2014	Curriculum, Instruction and School Administration Department Campus Administration Information Services Instructional Technology Departments	System is deployed and operational.
3.1.5:	Update the student management system.  LEA LRPT Correlates:	State: Original  Status: Planned	August 2011 – May 2012	Information Services	System is deployed and operational
3.1.6:	Implement applicant tracking system.  LEA LRPT Correlates:	State: Original  Status: Planned	March 2011 - August 2011	Human Resources Department Information Services Department	System is deployed and operational.

3.1.7:	Implement telephony systems. LEA LRPT Correlates:	State: Original  Status: Planned	July 2011 - June 2014	Network Support Services HELP Desk	Bid approved and implemented.
3.1.8:	Implement technology to support the APQC findings designed to improve business processes. LEA LRPT Correlates:	State: Original  Status: Planned	August 2011 - May 2014	District Support Team	Technology implemented and operational.
3.1.9:	Implement technology to achieve energy conservation. LEA LRPT Correlates:	State: Original  Status: Planned	August 2011 - May 2012	APQC - Energy Management Team Desktop Support Services Network Support Services	Technology implemented and operational.
3.1.10:	Evaluate migrating to Microsoft Active Directory and externally hosted email. LEA LRPT Correlates:	State: Original  Status: Planned	July 2011 - May 2012	Network Support Services, Desktop Support Services	Active Directory installed and operational

**OBJECTIVE 3.2:**

Increase the level of technology involvement in district and campus plans such that technology benchmarks based on SBEC standards are established annually, leading to the Advanced Tech level.

*Budget Amount \$17,137.35*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 02, 04b, 11

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.2.1:	Review the district technology plan annually to ensure adequate yearly progress.  Comments: This committee is comprised of students, parents, teachers, principals and district staff.  LEA LRPT Correlates: LAS02, LAS04, LAS05, LAS07	State: Original  Status: Planned	May 2012, May 2013, May 2014	District Technology Committee	Agendas, Committee recommendations
3.2.2:	Review SBEC standards with campus principals and district leaders.  LEA LRPT Correlates: EP02, EP04, EP05, LAS12	State: Original  Status: Planned	August 2011 August 2012 August 2013	District Support Team	Meeting agendas
3.2.3:	Establish appropriate goals for SBEC benchmarks annually.  LEA LRPT Correlates: EP05, LAS12	State: Original  Status: Planned	August 2011 August 2012 August 2013	District Support Team	Meeting agendas, published goals
3.2.4:	Include technology strategies at all levels in Campus Improvement Plans.  LEA LRPT Correlates: EP05, LAS01, LAS03, LAS08	State: Original  Status: Planned	September 2011 September 2012 September 2013	Campus Administrative Teams District Support Team	Campus Improvement Templates

**OBJECTIVE 3.3:**

Increase instructional support for the use of technology by creating learning communities and teacher cadres which allow for the use of technology to maximize teaching and learning.

*Budget Amount \$194,031.96*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 03, 06

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
3.3.1:	Utilize professional learning communities strategies to enhance the teaching and learning practices at all levels of the organization.  LEA LRPT Correlates: EP03, EP08, LAS01, LAS10	State: Original  Status: Planned	August 2011 - May 2014	District Support Team	Usage of common vocabulary, data digs and dashboards, and data team protocols.
3.3.2:	Utilize TEA's Project Share to support professional learning communities.  LEA LRPT Correlates: EP06, EP08, LAS10, TL08	State: Original  Status: Planned	July 2011 – May 2014	District Support Team Curriculum, Instruction and School Administration Department Instructional Technology Department	Staff accounts created, usage reports

**OBJECTIVE 3.4:**

Increase the degree to which campuses and the district uses technology to collaborate with and communicate with stakeholders to the Target Tech level.

*Budget Amount \$476,830.53*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01

NCLB Correlates: 03, 06, 09, 10, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
3.4.1:	Continue to utilize Schoolwires to create teacher webpages to provide communication with students and parents.  LEA LRPT Correlates: I08, LAS09, TL15, TL16	State: Original  Status: Planned	July 2011 - May 2014	Campus Administration Teachers District Support Team Curriculum, Instruction and School Administration Department Instructional Technology Department Campus Technology Liaisons	published teacher webpages
3.4.2:	Continue to stream video content from the district website to communicate with all district stakeholders.  Comments: Content will include board meetings and instructional and administrative meeting  LEA LRPT Correlates: LAS09, TL15	State: Original  Status: Planned	August 2011 - May 2014	Communications Department	District website and CFTV links
3.4.3:	Enhance the parent portal to provide additional information via the district website.  LEA LRPT Correlates: LAS09,	State: Original  Status: Planned	August 2011 – May 2012	Information Services	Additional content and links added to parent portal

	LAS11, TL15				
3.4.4:	Continue and expand podcasting of district and campus news and information.  LEA LRPT Correlates: LAS09, TL15	State: Original  Status: Planned	August 2011 - May 2014	Communications Department, Campuses, District Support Team, Curriculum, Instruction and School Administration Department	District website
3.4.5:	Continue to use telephone systems, communications, facilities, internet access, and voice-mail to provide service to students, patrons and employees.  LEA LRPT Correlates: I01, I08, LAS09, TL15	State: Original  Status: Planned	August 2011 - May 2014	District Support Team Network Services	Frequency of use
3.4.6:	Increase the number of adult education technology classes offered to the community.  LEA LRPT Correlates: LAS13	State: Original  Status: Planned	August 2011 - May 2014	Instructional Technology Department	Course offerings on district website
3.4.7:	Conduct literacy and technology classes for parents of ESL and Bilingual students in conjunction with evening ESL classes provided by CFISD and/or Harris County Department of Education.  LEA LRPT Correlates: LAS13, TL15	State: Original  Status: Planned	August 2011 - May 2014	Technology, ESL and Bilingual Department, Harris County Department of Education	Community Computer Course offerings on district website and flyers sent to parents via campuses
3.4.8:	Continue conducting technology education training for district volunteers.  LEA LRPT Correlates: LAS07	State: Original  Status: Planned	August 2011 - May 2012 August 2012 - May 2013 August 2013 - May 2014	Instructional Technology Department	District Volunteer Course offerings on district website

**OBJECTIVE 3.5:**

Continue to provide the budgetary support for campuses to realize all technology strategies outlined in Campus Improvement Plans as specified at the Target Tech level.

*Budget Amount \$1,179,935.04*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 03, 05, 12

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.5.1:	Allocate funds on a per student basis to provide for supplies, including software, paper, toner, cartridges, etc.  LEA LRPT Correlates: LAS01, LAS02	State: Original  Status: Planned	August 2011 - May 2014	District Support Team, Finance Department	Budgets
3.5.2:	Provide necessary funding for training via substitutes, stipends or required professional development.  LEA LRPT Correlates: EP01, EP02, EP03, LAS06, TL08,	State: Original  Status: Planned	August 2011 - May 2014	District Support Team, Finance Department	Budgets

	TL11, TL16				
<b>OBJECTIVE 3.6:</b>					
Increase online learning to the level of Target Tech as defined by the STaR Chart.					
<i>Budget Amount \$116,522.76</i>					
<i>LRPT category: Leadership, Administration and Support</i>					
E-Rate Correlates: ER01, ER02					
NCLB Correlates: 02, 04a, 04b, 07, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.6.1:	Continue to explore new technologies to deliver online learning opportunities.  LEA LRPT Correlates: LAS13, LAS15, TL13	State: Original  Status: Planned	August 2011 - May 2014	District Support Team, Instructional Technology Team	Expenditures and district goals Meeting notes
3.6.2:	Continue to train curriculum staff on using Moodle to create online learning opportunities for both teachers and students.  LEA LRPT Correlates: EP09, LAS15, TL16	State: Original  Status: Planned	August 2011 - May 2014	Instructional Technology, Curriculum, Instruction and School Administration Department	Online Course Offerings
3.6.3:	Increase the number of online courses offered to staff and students.  LEA LRPT Correlates: LAS15, TL09, TL12, TL13, TL16	State: Original  Status: Planned	August 2011 - May 2014	Curriculum, Instruction and School Administration Department	Student and staff course offerings
<b>OBJECTIVE 3.7:</b>					
Increase the degree to which campus and district administrators utilize technology to improve productivity and effectiveness.					
<i>Budget Amount \$429,942.90</i>					
<i>LRPT category: Leadership, Administration and Support</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 04b					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.7.1:	Provide or upgrade PDA's, Principal Toolkits and/or other technologies to district/campus administrators to maximize productivity.  LEA LRPT Correlates: I04, I05, I07, I09	State: Original  Status: Planned	August 2011 - May 2014	Desktop Support Services	Purchase orders, delivery tickets, installation records
3.7.2:	Implement a district-wide workflow system to reduce paperwork and increase efficiency.  LEA LRPT Correlates: I09, LAS01, LAS02	State: Original  Status: Planned	August 2011 - May 2014	Information Services District Support Team APQC Teams	System deployed and operational Efficiency reports
3.7.3:	Expand the scope of the digital conversion project to include additional employee documents, district financial records, and student cumulative folders	State: Original  Status: Planned	August 2011 - May 2014	Information Services District Support Team APQC TEams	Paper documents converted to digital format

	located at each campus. LEA LRPT Correlates: I09, LAS02				
3.7.4:	Implement a training program to increase the proficiencies of campus/district administrators in the use of technology.  LEA LRPT Correlates: EP04, LAS03, TL08, TL09	State: Original  Status: Planned	August 2011 - May 2014	Instructional Technology, HELP Desk, Curriculum, Instruction and School Administration Department, and District Support Team	Course offerings, attendance records

**GOAL 4: Provide an infrastructure system that allows all users 24/7 access to all e-learning opportunities and provide technical assistance to support instructional and administrative needs to achieve the Advanced or Target Tech levels in the Texas STAAR Chart.**

**OBJECTIVE 4.1:**

Maintain a student-to-computer ratio of 2.75 to 1, maintain the five-year replacement cycle, and implement the Target Tech ratio of 1 to 1 when needed.

*Budget Amount \$19,201,400.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

NCLB Correlates: 03, 05, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
4.1.1:	Purchase and install approximately 3239 computers and software to accommodate growth.  LEA LRPT Correlates: I01, I04, I07, I09	State: Original  Status: Planned	July 2011 - August 2014	Desktop Support Services Technology Support Services	Purchase orders
4.1.2:	Purchase and install approximately 33,482 computer and software to replace older computers maintaining a five-year replacement cycle.  Comments: Current bond money runs through June 2013.  LEA LRPT Correlates: I04, I07	State: Original  Status: Planned	July 2011 – August 2014	Technology Support Services Desktop Support Services	Purchase orders, Software requests
4.1.3:	Maintain the High School Laptop project assigning approximately 7500 laptops to high school students.  LEA LRPT Correlates: I04, I09, LAS15, TL05, TL08, TL09, TL12, TL13, TL16	State: Original  Status: Planned	July 2011 - June 2014	Technology Support Services Desktop Support Services	All high school US History students receive laptops

**OBJECTIVE 4.2:**

Maintain and increase as necessary the district's internet connectivity and speed at the Target Tech level.

*Budget Amount \$287,666.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

NCLB Correlates: 03, 05, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
4.2.1:	Bid and provide internet service at 500 megabits per second and burstable to one Gigabit.  LEA LRPT Correlates: I01, I07, I09	State: Original  Status: Planned	July 2011 - July 2014	Network Services	Contract award; installation verified;
4.2.2:	Provide network access at all new campuses.	State: Original	July 2011 - August 2014	Network Services	New facilities online

	LEA LRPT Correlates: I01, I09	Status: Planned			
4.2.3:	Research and apply for opportunities to participate in the state-wide telecommunications network.  LEA LRPT Correlates: I06, LAS14	State: Original  Status: Planned	June 2012	Network Services	Correspondence, meeting notes
<b>OBJECTIVE 4.3:</b>					
Provide additional classroom technology to enhance student instruction at the Advanced Tech level.					
<i>Budget Amount \$1,357,739.00</i>					
<i>LRPT category: Infrastructure for Technology</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 03, 05					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.3.1:	Add digital storage for students and staff as necessary.  LEA LRPT Correlates: I01, I05, I09, TL09	State: Original  Status: Planned	July 2011 - December 2011	Network Services	Bid award; Additional storage for students
4.3.2:	Provide technology and related equipment for new schools.  LEA LRPT Correlates: I01, I05, I09	State: Original  Status: Planned	July 2011 - June 2011	Instructional Technology Department, Network Services, Technology Support Services, Desktop Support Services	Installation at new schools
<b>OBJECTIVE 4.4:</b>					
Maintain current technical support levels at Developing Tech					
<i>Budget Amount \$14,821,073.00</i>					
<i>LRPT category: Infrastructure for Technology</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.4.1:	Use current staffing ratios to support technology infrastructure.  LEA LRPT Correlates: I01, I05	State: Original  Status: Planned	July 2011 - July 2014	Technology Services	Adopted budget, personnel records
4.4.2:	Implement tools for managing technology services and infrastructure.  LEA LRPT Correlates: I01, I07, I09	State: Original  Status: Planned	July 2011 - June 2014	Network Support Services, Desktop Support Services	Purchase Orders, Delivery Tickets
4.4.3:	Review and maintain annually the district's disaster recovery plan to ensure uninterrupted network services.  LEA LRPT Correlates: I01, LAS14	State: Original  Status: Planned	October 2011, October 2012, October 2013	Disaster Recovery Team	Agendas

**OBJECTIVE 4.5:**

Improve local and wide area network capability to Target Tech capacity.

*Budget Amount \$733,000.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

NCLB Correlates: 05

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
4.5.1:	Continue to connect all rooms to a robust network.  LEA LRPT Correlates: I01, I09	State: Original  Status: Planned	July 2011 - August 2014	Network Support Services	Purchase orders
4.5.2:	Replace network servers every 5 years.  LEA LRPT Correlates: I01, I07	State: Original  Status: Planned	July 2011 - June 2014	Network Support Services	Purchase orders, delivery tickets
4.5.3:	Replace aging printers as necessary.  LEA LRPT Correlates: I07	State: Original  Status: Planned	July 2011 - June 2014	Technology Support Services	Pick-up and Delivery tickets, purchase orders

**OBJECTIVE 4.6:**

Maintain and increase distance learning capacity to that of Advanced Tech.

*Budget Amount \$58,500.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

NCLB Correlates: 05

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
4.6.1:	Continue using video resources such as Discovery Education, web-based applications and district produced video content.  LEA LRPT Correlates: I01, I05, TL08, TL09, TL12	State: Original  Status: Planned	August 2011 - May 2012, August 2012 - May 2013, August 2013 - May 2014	Network Services, Instructional Technology Department, District TV Studio	Lesson Plans, service contracts
4.6.2:	Pilot Adobe Connect and webcams with students to collaborate and communicate between campuses.  LEA LRPT Correlates: EP08, I05, I08, TL08, TL09, TL12, TL13	State: Original  Status: Planned	August 2011 - May 2013	Instructional Technology Department, Curriculum, Instruction and School Administration Department, Network Services	Purchase orders, Lesson Plans, Video samples, Connect Files
4.6.3:	Expand Adobe Connect pilot by 30 campuses per year.  LEA LRPT Correlates: EP08, I05, TL08, TL09, TL12, TL13	State: Original  Status: Planned	August 2011 - May 2014	Instructional Technology Department, Curriculum, Instruction and School Administration Department, Network Services, Desktop Support Services	Purchase orders
4.6.4:	Implement a digital video content delivery system to replace/augment cable TV infrastructure.	State: Original  Status: Planned	August 2011 - May 2012	Network Services, District TV Studio, Instructional Technology, Curriculum, Instruction and School Administration Department	Purchase orders

	LEA LRPT Correlates: I01, I09, TL08, TL11				
4.6.5:	Continue partnership with the City of Houston to provide wireless access at students' homes.  LEA LRPT Correlates: I02	State: Original  Status: Planned	June 2012 completed	Technology Services, City of Houston	Partnership agreement

## Budget

Total amount of Title II, Part D formula funds received for the current year of this plan: \$0.00

Method of application for formula funds:

<b>Budget year 2011</b>		
<b>Budget item</b>	<b>Cost</b>	<b>Funding Sources with amount per source</b>
Staff Development	\$1,715,021.74	\$1,715,021.74 - Local
Telecommunications & Internet Access	\$1,010,596.00	\$568,494.00 - E-Rate \$442,102.00 - Local
Materials & Supplies	\$1,454,912.00	1,454,912.00 - Local
Equipment	\$6,416,009.00	\$6,416,009.00 - Local
Maintenance	\$6,061,616.00	\$2,835,572.00 - Tech Allot \$3,226,044.00 - Local
Miscellaneous Expenses	\$1,986,336.00	\$334,775.00 - Local
<b>Total</b>	<b>\$18,644,490.74</b>	

<b>Budget year 2012</b>		
<b>Budget item</b>	<b>Cost</b>	<b>Funding Sources with amount per source</b>
Staff Development	\$1,715,021.74	\$1,715,021.74 - Local
Telecommunications & Internet Access	\$981,090.00	\$568,494.00 - E-Rate \$412,596.00 - Local
Materials & Supplies	\$1,589,872.00	\$1,589,872.00 - Local
Equipment	\$5,640,900.00	\$5,640,900.00 - Local
Maintenance	\$6,033,366.00	\$2,835,572.00 - Tech Allot \$3,197,794.00 - Local
Miscellaneous Expenses	\$1,840,570.00	\$189,775.00 - Local
<b>Total</b>	<b>\$17,800,819.74</b>	

<b>Budget year 2013</b>		
<b>Budget item</b>	<b>Cost</b>	<b>Funding Sources with amount per source</b>
Staff Development	\$1,715,021.74	\$1,715,021.74 - Local
Telecommunications & Internet Access	\$1,030,900.00	\$568,494.00 - E-Rate \$462,406.00 - Local
Materials & Supplies	\$1,583,685.00	\$1,583,685.00 - Local
Equipment	\$6,125,930.00	\$6,125,930.00 - Local
Maintenance	\$6,053,366.00	\$2,835,572.00 - Tech Allot \$3,217,794.00 - Local
Miscellaneous Expenses	\$1,843,154.00	\$189,775.00 - Local
<b>Total</b>	<b>\$18,352,056.74</b>	

## Evaluation

### Evaluation Process:

The four goals of the Cypress-Fairbanks ISD Technology Plan will be evaluated using the objectives under each goal. Evidence related to the objectives will be collected periodically from the Fall of 2011 through the Spring of 2014.

Evaluation Participants: Curriculum staff, instructional technology staff, teachers, campus technology teams, media specialists, and campus administrative teams will collaborate the district's Department of Planning, Research, and Evaluation to implement the evaluation process.

Evaluation Strategies: Direct observations of teacher and student activities in the classroom will be central in the evaluation process. Examinations of classroom work products, various written records, including purchasing and receiving records, will be included. Demonstrations of technology implementation and classroom use will be available.

Teacher STaR Chart Self Assessment: Throughout the evaluation process, the results of the teacher self assessment will be monitored, and teachers and campuses will be provided with feedback related to their progress. Teachers will periodically complete self assessments relative to the most basic level, Early Tech, then Developing Tech, progressing to Advanced Tech, and finally Target Tech, where students have on demand access to technology and where activities are seamlessly integrated into all content areas. Also included at the Target Tech level, district staff will meet the SBEC standards and all classrooms will be connected to WAN.

### Evaluation Method:

GOAL 1: Improve academic achievement by allowing students to participate in opportunities that allow collaboration, communication, critical thinking, problem-solving, creativity and innovation to solve real-world problems in an effort to achieve the Target Tech Level in the Texas STaR Chart.

OBJECTIVE 1.1: Increase the pattern of classroom use to the Target Tech level as evidenced by classrooms where teachers are seamlessly integrating technology in a student-centered environment.

Objective 1.1 will be evaluated by examining evidence related to each strategy using the following indicators:

- Classroom observations
- Demonstrations of website offerings indicating the teaching of higher order thinking skills and Rigor, Relevance, Relationships Quadrant D learning
- An examination of lesson plans and curriculum guides

OBJECTIVE 1.2: Increase the frequency of use of digital content to the Target Tech level by providing teachers with daily access and use of a variety of digital tools and resources.

Objective 1.2 will be evaluated by examining evidence related to each strategy using the following indicators:

- An examination of lab schedules, lesson plans, student portfolios, completed training modules, attendance records, student products, and course offerings for training
- Results of teacher feedback
- Classroom observations

OBJECTIVE 1.3: Increase content area connections to the Advanced Tech level as evidenced by teachers using technology to support the development of 21st Century Learning Skills and collaboration while incorporating technology in their subject area TEKS.

Objective 1.3 will be evaluated by examining evidence related to each strategy using the following indicators:

- An examination of professional development course offerings, lesson plans, master schedules, video samples of classes being taught, teacher logs, records of distance learning session requests, number and types of programs installed, student records from software, and student products
- Benchmark and TAKS results
- Assistive Technology Team written recommendation
- Classroom observations
- Lesson plans using research strategies

OBJECTIVE 1.4: For grades K-8, increase the integration of Technology Applications (TA) TEKS as appropriate into content area and grade level instruction to the Advanced Tech level; for grades 9-12, maintain the Target Tech level by offering at least four Technology Applications high school courses.

Objective 1.4 will be evaluated by examining evidence related to each strategy using the following indicators:

- Principals' Showcases and Technology Festival
- Classroom observations

OBJECTIVE 1.5: Maintain student mastery of Technology Application (TA) TEKS (86% to 100%) at the Target Tech level.

Objective 1.5 will be evaluated by examining evidence related to each strategy using the following indicators:

- An examination of lab schedules, professional development course offerings, completed product samples integrated into specific content area projects, campus professional development plans, lesson plans, and student/teacher portfolios
- Classroom observations
- Student mastery results

OBJECTIVE 1.6: Increase online learning to the Advanced Tech level by allowing students to access teacher-created online TEKS-based content, resources and learning activities and interactive communications that support learning objectives throughout the curriculum.

Objective 1.6 will be evaluated by examining evidence related to each strategy using the following indicators:

- Student classroom assessments
- Classroom snapshots
- Wikispaces utilized by teachers and curriculum staff
- An examination of lab schedules, meeting agendas, and professional development course offerings
- Teacher created on-line content via Moodle and Project Share

GOAL 2: Provide school district staff with opportunities to learn how to appropriately integrate technology as a tool utilizing collaborative, interactive, and customized learning environments in an effort to achieve the Target Tech level in the Texas STaR Chart.

OBJECTIVE 2.1: Increase the content of professional development to the Target Tech level by providing opportunities for teachers to participate in the development of strategies to create new learning environments that empower students to think critically to solve real-world problems and collaborate with experts across business, industry, and higher education.

Objective 2.1 will be evaluated by examining evidence related to each strategy using the following indicators:

- An examination of meeting agendas, attendance records, campus technology plans, Distance Learning Reservation Lists, and website availability for teachers
- Inventory of strategies

OBJECTIVE 2.2: Increase the models of professional development to the Target Tech level by providing on-going professional development utilizing multiple staff development models.

Objective 2.2 will be evaluated by examining evidence related to each strategy using the following indicators:

- An examination of lesson plans, content activities, curriculum guides, attendance records, training materials, meeting agendas, and professional development course offerings

OBJECTIVE 2.3: Increase the capabilities of educators to demonstrate proficiency of the five State Board of Education (SBEC) Standards to achieve the Target Tech level.

Objective 2.3 will be evaluated by examining evidence related to each strategy using the following indicators:

- Percentage of teachers achieving SBEC proficiencies
- An examination of presentation agendas and test records

OBJECTIVE 2.4: Increase participation in technology professional development (19-29 hours) to achieve the Advanced Tech level.

Objective 2.4 will be evaluated by examining evidence related to each strategy using the following indicators:

- An examination of meeting agendas, and professional development course offerings
- Attendance and credit records

OBJECTIVE 2.5: Increase the levels of understanding and patterns of use to the Target Tech level as evidenced by most teachers utilizing digital tools in and across content areas to promote 21st Century Learning Skills.

Objective 2.5 will be evaluated by examining evidence related to each strategy using the following indicators:

- Training modules
- An examination of campus newsletters, website links, attendance records, and professional development course offerings
- Observation samples

OBJECTIVE 2.6: Increase the professional development for online learning to Target Tech by promoting participation in professional development on the customization of online courses or content for appropriate subject areas.

Objective 2.6 will be evaluated by examining evidence related to each strategy using the following indicators:

- Online courses
- An examination of workshop binders, attendance records, and professional development course offerings

GOAL 3: Increase the level of administrative support and use of technology in all focus areas as represented in the STaR Chart.

OBJECTIVE 3.1: Increase the degree to which campus and district leadership promotes continuous innovation with technology leading to increased student achievement and operating effectiveness.

Objective 3.1 will be evaluated by examining evidence related to each strategy using the following indicators:

- Survey results for principals and district leadership
- Attendance at Administrators' Technology Training Sessions
- An examination of agenda items and handouts

OBJECTIVE 3.2: Increase the level of technology involvement in district and campus plans such that technology benchmarks based on SBEC standards are established annually, leading to the Advanced Tech level.

Objective 3.2 will be evaluated by examining evidence related to each strategy using the following indicators:

- An examination of meeting notes, published goals, and items in the Campus Improvement Plans

OBJECTIVE 3.3: Increase instructional support for the use of technology by creating learning communities and teacher cadres which allow for the use of technology to maximize teaching and learning.

Objective 3.3 will be evaluated by examining evidence related to each strategy using the following indicators:

- Demonstrations of website development
- An examination of training materials and course offerings
- Size of teacher cadres

OBJECTIVE 3.4: Increase the degree to which campuses and the district uses technology to collaborate with and communicate with stakeholders to the Target Tech.

Objective 3.4 will be evaluated by examining evidence related to each strategy using the following indicators:

- Published teacher and class web pages
- Samples of video content
- Demonstration of portal implementation
- Demonstrations of podcasts on district website
- Implementation of an Achievement Management System
- An examination of phone records and class attendance records

OBJECTIVE 3.5: Continue to provide the budgetary support for campuses to realize all technology strategies outlined in Campus Improvement Plans as specified as the Target Tech level.

Objective 3.5 will be evaluated by examining evidence related to each strategy using the following indicators:

- A review of the adopted budget

OBJECTIVE 3.6: Increase online learning to the level of Target Tech as defined by the STaR Chart.

Objective 3.6 will be evaluated by examining evidence related to each strategy using the following indicators:

- Published definition of on-line learning
- Recommendation for content areas and populations to be served by on-line services
- An examination of technology courses and content offered

OBJECTIVE 3.7: Increase the degree to which campus and district administrators utilize technology to improve productivity and effectiveness.

Objective 3.7 will be evaluated by examining evidence related to each strategy using the following indicators:

- Procedures for work-flow system
- An examination of purchase orders, delivery documents, digital images of records, course offerings, and enrollment records

GOAL 4: Provide an infrastructure system that allows all users 24/7 access to all e-learning opportunities and provide technical assistance to support instructional and administrative needs to achieve the Advanced or Target Tech levels in the Texas STaR Chart.

OBJECTIVE 4.1: Maintain a student-to-computer ratio of 2.75 to 1, maintain the five-year replacement cycle, and implement the Target Tech ratio of 1 to 1 when needed.

Objective 4.1 will be evaluated by examining evidence related to each strategy using the following indicators:

- An examination of purchase orders, delivery documents, and laptop assignment records

OBJECTIVE 4.2: Maintain and increase as necessary the district's internet connectivity and speed at the Target Tech level.

Objective 4.2 will be evaluated by examining evidence related to each strategy using the following indicators:

- Contract for internet services
- An examination of purchase orders and delivery documents

OBJECTIVE 4.3: Provide additional classroom technology to enhance student instruction at the Advanced Tech level.

Objective 4.3 will be evaluated by examining evidence related to each strategy using the following indicators:

- An examination of purchase orders and delivery documents

OBJECTIVE 4.4: Maintain current technical support levels at Developing Tech.

Objective 4.4 will be evaluated by examining evidence related to each strategy using the following indicators:

- Review of adopted budget
- An examination of personnel records

OBJECTIVE 4.5: Improve local and wide area network capability to Target Tech capacity.

Objective 4.5 will be evaluated by examining evidence related to each strategy using the following indicators:

- An examination of purchase orders and delivery documents

OBJECTIVE 4.6: Maintain and increase distance learning capacity to that of Advanced Tech.

Objective 4.6 will be evaluated by examining evidence related to each strategy using the following indicators:

- An examination of invoices, teacher lesson plans, purchase orders, and delivery documents
- Demonstration of video content delivery system

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