

# **ODEM-EDROY ISD Technology Plan**

**2009 - 2012**

**CHARLES ZEPEDA**

**SUPERINTENDENT**



# Texas Education Agency

## 2011 Technology Plan Approval Certificate

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

ODEM-EDROY ISD (205905)

has a technology plan that has met the standards and criteria outlined by the SLD. This approval is effective for 3 years.

This plan was approved on April 29, 2009.

This plan was updated on October 30, 2009.

This plan was updated on March 03, 2011.

This plan has an expiration date of June 30, 2012.

A handwritten signature in cursive script, appearing to read "Norma Torres-Martinez".

Norma Torres-Martinez  
Deputy Associate Commissioner  
Standards and Alignment

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# DISTRICT PROFILE

**ESC Region** 2  
**City, State Zip** ODEM, TX 783700727  
**Phone** (361) 368-2561  
**Fax** (361) 368-2879  
**County District Number** 205905

<b>Number of Campuses</b>	3
<b>Total Student Enrollment</b>	1192
<b>District Size</b>	1,000 - 1,599
<b>Percent Econ. Disadvantaged</b>	54.53%

<b>Technology Expenditures</b>	\$1,898,000.00	
<b>Technology budgets reported in plan by category</b>	Teaching and Learning Budget	\$731,000.00
	Educator Preparation and Development Budget	\$572,000.00
	Leadership, Administration and Support Budget	\$214,000.00
	Infrastructure for Technology Budget	\$381,000.00
	<b>Total:</b>	<b>\$1,898,000.00</b>
<b>Technology Expenditure Per Pupil</b>	\$1,592.28	
<b>Number of Campuses with Direct Connection to Internet</b>	3	
<b>Percentage of Campuses with Direct Connection to Internet</b>	100.00%	
<b>Number of Classrooms with Direct Connection to Internet</b>	91	
<b>Percentage of Classrooms with Direct Connection to Internet</b>	100.00%	
<b>Computer/Student Ratio</b>	2 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>	3	
<b>Percentage of campuses that have completed the Texas Campus STaR Chart</b>	100.00 %	

# Plan Introduction

Plan Last Edited 04/27/2009

<b>Plan status:</b>	approved
<b>Years Included in the Plan:</b>	2009 - 2012
<b>Number of years covered by the plan:</b>	3
<b>Years Approved for the Plan:</b>	2009 - 2012
<b>Number of approved years:</b>	3

## Technology Planning Committee

Charles Zepeda, Superintendent  
Ron Squires , Technology Director  
Margie Morin , Technician  
Veronica Guerrero , Technician  
David Soto, Technician  
Johnny Johnson , Business Manager  
Mary Linda Moore, Curriculum Director  
Judy Bruning , Curriculum Specialist  
Brian Roberts , High School Principal  
Joyce Guerrero , Junior High Assistant Principal  
Jim Brannigan , Elementary Principal  
Linda Palmero , Elementary Teacher  
Steven Rash , Junior High Teacher  
Maria Curren, High School Teacher

## Executive Summary

Odem-Edroy ISD a small school district located north of Corpus Christi in San Patricio County. The district is a property poor school district and most of the parents of our students work in Corpus Christi or in the agriculture industry which is the largest industry in the district. Through the management of grants and local funds, Odem-Edroy has built a solid enterprise technology infrastructure. Our district maintains over 600 workstations for student use and all teachers have use of a computer. We do provide mobile laptop labs for classroom use as well as providing four stationary computer labs for classroom and research projects. We have an emerging wireless project that we envision will encompass the entire district and with possible collaborations with City and county officials that may provide secure wireless connectivity to our students' home. We currently utilize video conferencing for teacher training as well as classroom instruction. Odem-Edroy hosts its own Internet presence and we provide parents of our students' access to school information through the Internet. Although our network is mature, we are experiencing problems within our system that we will be addressing over the next three years including continuing training for staff on the newer versions of software, implementation of new technologies to enhance the education of our students and the implementation of a more rigorous technology education program within our school.

# Needs Assessment

## Assessment Process:

To determine the technology needs of Odem-Edroy Independent School District (OEISD) deploys at least one of the following methods of surveying its participants: Star Chart information from the campus and teachers, locally developed questionnaires, email, and technology requests. To assess student technology skills OEISD will use an electronic tool that will assess grade appropriate technology skills based on the Nation Educational Technology Standards as well as student projects throughout the year. Along with these methods, electronic information (logs and scripts gather information computer use trends, inventory and network use) and technology audits from outside sources are used. All information is presented to the Technology Committee and may be presented to the Site Based Committee and the school board.

## Existing Conditions:

OEISD is situated in San Patricio County approximately 24 miles from Corpus Christi.

Agriculture is the largest industry in the district; however, most parents work in various industries in and around Corpus Christi. The student population is around 1200 with approximately 52% being identified as economically disadvantaged.

OEISD provides daily instruction to a smaller school district through the use of video conferencing technology. OEISD has been granted a Rural Technology grant which will be used to improve academic achievement in the junior high school. Our classes are equipped with a minimum of four student workstations and a teacher computer along with a digital projector and document camera. There are currently five computer labs located throughout the three campuses and one mobile computer lab on each campus. With the four workstations per classroom, five computer labs and 3 mobile computer labs, OEISD has a 2:1 student to computer ratio.

The district maintains its own network services including CIPA monitoring and filtering. We are currently utilizing 4 T1 lines to access the Internet with both video and data. Our network is at least 100MB copper to the desktop with 1000MB fiber connecting all network switches. We have implemented a centralized secure wireless network in our junior high school with the ability to grow to cover all campuses.

Currently the technology infrastructure is supported by three technicians, a network manager and a technology director.

## Technology Needs:

Assessments indicate areas of concern which include student technology awareness; teacher technology aptitude and application of technology for instructional purposes; furthermore, the infrastructure will need to be continually upgraded. To effectively address these concerns we will need:

Offer more technology staff development to assist our new employees in understanding our technology systems. Provide more staff development those employees that may have been out of education for a number of years. Provide training on new and updated software.

Implement a technology curriculum that will improve our students' use of technology for critical thinking, problem solving and decision making while making them better digital citizens.

Develop a testing program for software that will be acceptable for the education process. Work with the Curriculum Director and Principals on software selection. Maintain software support list.

Provide improved network security through firewalls, anti-malware and intrusion detection hardware and software. Improve mail filter and improve content filtering software.

Purchase video conferencing equipment that will assure the district will have 6 functioning units available.

Replace network servers, switches, printers and computers in a timely manner and dispose of the older equipment in an ecological manner.

Provide staff training for technology staff and require industry standard certification for all technology staff. Contract network services as required.

Increase staff to handle additional computers and services as required.

Expand out current infrastructure to include a larger wireless network, increased bandwidth within the network and add redundancy to minimize down time.

Upgrade electrical infrastructure as required to handle addition loads.

Maintain the current Internet connection bandwidth.

Incorporate the use of electronic systems to monitor student safety at school and on trips.

# Goals, Objectives, and Strategies

## GOAL 1: Odem-Edroy Independent School District is committed to use technology to improve student performance

### OBJECTIVE 1.1:

All students will effectively use technology to produce a minimum of two grade appropriate technology projects using computers, electronic presentation software and other appropriate equipment and software annually.

*Budget Amount \$96,000.00*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 04a, 07, 08, 12

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.1.1: Use technology for multimedia and graphical presentations, simulations to correspond with a variety of audiences.  LEA LRPT Correlates: TL06, TL09, TL11	State: Original  Status: In Progress	daily	Principals Teachers Students	student products
1.1.2: Students (2-12) will produce and present integrated technology activities from all core subjects.  Comments: Electronic lesson plans will be used to help track use of technology in lessons. Presentations can be within classroom, for the campus or in another public forum including web pages.  LEA LRPT Correlates: TL01, TL05, TL11	State: Original  Status: In Progress	Projects presented during each semester	Curriculum Director Principals Teachers	Lesson Plans Presentations

### OBJECTIVE 1.2:

Each Campus Improvement Plan will include Technology Instruction for all students

*Budget Amount \$1,000.00*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01

NCLB Correlates: 03, 06, 07, 09

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.2.1: focus technology utilization on student success; based on needs, research, proven teaching and learning principles  Comments: This will include network use, supported software and acceptable use policies  LEA LRPT Correlates: LAS01, LAS04, LAS05	State: Original  Status: In Progress	monthly	Principals Curriculum Director Site Based Committees	Campus and District improvement plans will contain technology recommendations.
1.2.2: Campus and District Improvement plans will addresses Technology Application TEKS and higher order teaching and learning  LEA LRPT Correlates: TL01, TL05, TL07, TL11	State: Original  Status: In Progress	annually	Principals Curriculum Director Site Based Committees	Campus and District Improvement plans
1.2.3: All employees, Junior High Students	State:	Prior to obtaining user	Technology Staff will be	Testing data; network policy

	and High School students will be required to pass a basic user exam.  Comments: This exam may be a post test developed along with online curriculum. Further training requirements may be placed on the user during the year based on the results of the test.  LEA LRPT Correlates:	Original  Status: Planned	account and annually at the beginning of the school year or employment.	responsible for managing user accounts and verifying compliance.  Principals will set up testing times for staff and determine where technology remediation should occur	and acceptable use policy statements.
1.2.4:	Each campus will implement curriculum to teach students about cyber-citizenship.  LEA LRPT Correlates:	State: Original  Status: Planned	Annually	Curriculum Director Principals	Lesson plans and tests

**OBJECTIVE 1.3:**

Each campus will use Technology for Distance Education

*Budget Amount \$2,000.00*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 03, 04a, 05, 06, 07, 08

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.3.1: Web based /on-line learning available at high school and junior high school campus  LEA LRPT Correlates: TL01, TL04, TL05, TL06, TL07, TL08, TL11, TL15, TL16	State: Revised  Status: In Progress	bi-annually as required for student enrollment	Counselors Principals Curriculum Director Technology Director	enrollment in classes student grades
1.3.2: video distance learning capabilities used for regular classes and virtual field trips etc..  LEA LRPT Correlates: LAS04, LAS05, TL06, TL08, TL09, TL15, TL16	State: Original  Status: In Progress	annually	Counselors Principals Curriculum Director Technology Director	enrollment in classes number of virtual field trips
1.3.3: Adequate resources will be made available for regular classes and multiple video concurrently  Comments: During this summer the district will bond 2 t1 lines to increase bandwidth performance to enhance video. There will be at least one and possibly 2 new video conference units purchased.  LEA LRPT Correlates: I02, TL08, TL15, TL16	State: Original  Status: In Progress	daily	Technology Department Counselors Principals Curriculum Director Technology Director	100% of daily classes and 100% of virtual field trips are successful in connecting with quality service
1.3.4: maintain a minimum of two stationary classroom video units and three portable units  LEA LRPT Correlates: I02	State: Original  Status: In Progress	purchase of new equipment August 2009 purchase replacement equipment on 6th year of service	Technology Director	Operation of equipment

**OBJECTIVE 1.4:**

Technology including web-pages,e-mail,faxes, telephones, automated dialing system and other technology will be used to communicate information to the public on a daily basis. This information will include homework, lesson plans and community and adult educationinformation.

*Budget Amount \$9,000.00*

*LRPT category: Leadership, Administration and Support*



E-Rate Correlates: ER01 NCLB Correlates: 03, 06, 09, 10, 11, 12					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.4.1:	District will utilize local and long Distance phone lines and cell phones for voice and fax communications with the community.  LEA LRPT Correlates: EP09, LAS10, LAS11, TL06	State: Original  Status: In Progress	Daily	All employees	Bills, fax logs, phone logs
1.4.2:	The District will maintain a web page that contains current information that is useful to the community  Comments: The district will continue to utilize the Web based activity calendar.  LEA LRPT Correlates: EP09, LAS03, LAS04, LAS05	State: Original  Status: In Progress	daily	Webmasters Principals Teachers Students	Up to date web page with information changed monthly. web counters
1.4.3:	The District will continue to utilize an automated messaging system for absenteeism notification and district wide information.  Comments: Daily logs of calls completed will be kept for a year for evaluation. Student phone numbers will be verified and changes made by PEIMS coordinators  LEA LRPT Correlates: I02, LAS02, LAS03, LAS04, LAS05, TL09	State: Original  Status: In Progress	Daily, special events	Technology Department PEIMS coordinators all teachers and administrators	Phone logs by device
1.4.4:	The District will maintain an email system and will maintain archives of email for a period of at least 1 year.  Comments: Student e-Mail is for in district use only.  LEA LRPT Correlates: I02, I08, I09, LAS01, LAS02, LAS03, LAS04, LAS05, TL06, TL09	State: Original  Status: In Progress	Maintenance of system including spam and virus updates daily. Archives removed from server annually	Technology Director	Email services available and accessible by students and teachers. Log files as maintained by the e-mail server
1.4.5:	The district will provide secure web based access for parents to access grades and attendance information for their children.  Comments: Parents may request access to their children's grades and attendance. Parents providing an email address will begin to receive notification of student attendance  LEA LRPT Correlates: EP03, I01, I03, I05, LAS01, LAS05, LAS07, LAS08, LAS09, LAS10, LAS11	State: Original  Status: Completed	Complete application implementation Augst 2007	Superintendent Technology Director Parents	page available letters generated logs of site access
OBJECTIVE 1.5:					
Technology will be used to improve curriculum					
Budget Amount \$20,000.00 LRPT category: Teaching and Learning					
E-Rate Correlates: ER01, ER02					

NCLB Correlates: 01, 02, 03, 04b, 06, 07, 08, 11					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.5.1:	C-Scope curriculum will be used by all teachers to improve test scores.  LEA LRPT Correlates: TL01, TL02, TL03	State: Original  Status: Planned	Annual	Curriculum Director; Business Manager	Lesson Plans will be submitted with references to C-Scope activities
1.5.2:	Training will be provided to all teachers using the C-Scope curriculum  LEA LRPT Correlates: EP01, EP02, EP03, EP04	State: Original  Status: Planned	annual; monthly updates as required	Curriculum Director; Principals; Teachers	Sign in sheets, lesson plans

**GOAL 2: Odem-Edroy Independent School District is committed to use technology to improve student, teacher and community knowledge of all technologies**
**OBJECTIVE 2.1:**

All educators will be proficient in technology and use technology in educating students

*Budget Amount \$425,000.00*

*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER01, ER02

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

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.1.1: All teachers will meet SBEC proficiencies and implement in the classroom  LEA LRPT Correlates: EP01, EP03, EP05, EP06, EP07, EP08, EP09, I01, I02, I06, I07, I08, LAS01, LAS02, LAS05, LAS10, LAS12, TL01, TL05, TL06, TL10, TL11, TL14	State: Original  Status: In Progress	Evaluation completed annually at beginning of the year Appropriate training offered monthly	Superintendent Principals Curriculum Director Teachers	Teacher Created Projects Lesson Plans Proficiency Tests Training sign in sheets
2.1.2: Provide professional on-going Technology based Staff Development for appropriate technology usage.  Comments: Along with our annual pre-school training, various workshops were held for software packages utilized in classes. Curriculum-Technology Specialist performed in class instruction to improve teacher skills.  LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP06, EP07, EP08, EP09, I01, I02, I06, I07, LAS01, LAS02, LAS05, TL01, TL04, TL05, TL10, TL11, TL14	State: Revised  Status: In Progress	annually	Curriculum Director Technology Specialist Teachers and Staff SBDM Committee (Campus and District)	Enrollment in workshops Lesson Plans Teacher Created Projects
2.1.3: Teachers will create/implement at least one technology project for each semester  LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP06, EP07, EP09, I01, I02, I06, I07, TL01, TL04, TL05, TL06, TL07, TL10, TL11, TL12, TL14	State: Original  Status: In Progress	annually	Curriculum Director Technology Specialist Technology Director Principals Teachers	Lesson Plans Projects
2.1.4: Teachers will utilize online curriculum provided through the Microsoft School agreement for training on Microsoft products.  LEA LRPT Correlates:	State: Original  Status: Planned	Beginning January 2009 and continuing to Sept 2009	Teachers, Administrators and Office Staff will be responsible for taking 2 online classes Principals will be responsible for assigning online curriculum based on needs of their staff Technology Director & Curriculum Director will be responsible for monitoring records.	Completion records provided by application

**OBJECTIVE 2.2:**

Teachers will be provided with training and support to integrate appropriate technologies to maximize learning and increase TAKS scores to 95% to 100% in all subjects and grade levels.

*Budget Amount \$147,000.00*

*LRPT category: Educator Preparation and Development*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 03, 04a, 04b, 05, 07, 08, 12

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:

2.2.1:	integrate web based programs, network software and hardware based on proven educational value including Academy of Reading, TechKnowledge, whiteboards and wireless access.  LEA LRPT Correlates: EP05, EP06, EP09, I01, I06, I07, LAS01, LAS02, TL01, TL02, TL05, TL06, TL07, TL08, TL10, TL12, TL14	State: Original  Status: In Progress	annually	Principals Curriculum Director Principals Teachers Technology Specialist	Increase in State and Standardized Test Scores
2.2.2:	Implement online courseware and training program to train teachers on implementation of software and hardware into the curriculum  LEA LRPT Correlates:	State: Original  Status: Planned	Annually	Technology and Curriculum Director will negotiate the procedures.	Application in place and employee certification of completion
2.2.3:	technology staff will provide "after-school" short courses on technology related topics  LEA LRPT Correlates:	State: Original  Status: Planned	Monthly	Campus technology staff will be responsible for developing topics for the training based on teacher input.  Technology Director will provide record of classes and attendance to campus principals and curriculum director.	Training Schedules and Sign in sheets

**GOAL 3: Odem-Edroy Independent School District is committed to use technology to improve efficiency of administrative functions.****OBJECTIVE 3.1:**

Staff will be employed to maintain the network with less than 12 hours down time per year and be able to respond to non-network issues in less than 4 hours

*Budget Amount \$174,000.00*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01

NCLB Correlates: 02, 03, 05, 06, 11, 12

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
<p>3.1.1: Maintain a Certified District Technology Director that will monitor the network infrastructure, manage budget/inventory, plan technology and manage grants associated with technology. The Technology Director should maintain Technology Industry Standard Certification.</p> <p>LEA LRPT Correlates: EP04, EP05, EP08, EP09, I01, I02, I07, I08, LAS01, LAS02, LAS03, LAS04, LAS05, LAS07, LAS14, LAS15, TL05, TL10, TL13, TL14</p>	<p>State: Original</p> <p>Status: In Progress</p>	Annual	Superintendent School Board	Employment record Multi-year contract Certifications
<p>3.1.2: Provide funding for a district webmaster that will maintain the web page for the district as well as each campus.</p> <p>LEA LRPT Correlates: I01, I03, I08</p>	<p>State: Original</p> <p>Status: In Progress</p>	Annually	Principals Web-Master Technology Director Business manager Superintendent	Annual stipends paid based on updated web page. Web pages current and accessible
<p>3.1.3: Employ campus level technicians. Technology staff member that will assist teachers with technology issues. All technology staff will maintain Industry Standard Certification in at least one area of technology that will be considered their area of expertise.</p> <p>LEA LRPT Correlates: I04, I05</p>	<p>State: Original</p> <p>Status: In Progress</p>	Annual	Technology Director Principals Superintendent Business Manager	Employment records Technology Request logs Certification Records
<p>3.1.4: Employ a Certified Network Administrator to manage and monitor network resources.</p> <p>LEA LRPT Correlates: I01, I02, I03, I04, I05, I06, I07, I08, I09</p>	<p>State: Original</p> <p>Status: Planned</p>	Annual	Superintendent Technology Director Business manager Principals	Employment record Certifications
<p>3.1.5: The district will seek assistance in monitoring, troubleshooting and/or maintaining technology from outside sources.</p> <p>Comments: In November 2007, Odem-Edroy ISD as part of the SanPatricio County Technology Consortium received a Rural Utilities Development (RUD) Grant from the U.S. Department of Agriculture. Odem-Edroy's share is \$44,924</p> <p>LEA LRPT Correlates: I01, I02, I03, I04, I05, I06, I07, I08, I09</p>	<p>State: Original</p> <p>Status: Planned</p>	Computer clean and tune up Annually scheduled by campus Network evaluations annually Monitoring and troubleshooting as required	Technology Director	Maintenance logs Evaluation reports Troubletickets E-mail

**OBJECTIVE 3.2:**

Maintain management and service costs (non-payroll) associated with technology through centralization of services to within 2% of current.

*Budget Amount \$8,000.00*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01, ER02 NCLB Correlates: 02, 03, 05, 07, 11, 12					
Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
3.2.1:	continue to use, evaluate and develop management tools for network, computers and printers  LEA LRPT Correlates: I05, I07, I08	State: Original  Status: In Progress	monthly	Technology Director Technology Department	Reduced down time to computer/printer management as indicated by the technology request system
3.2.2:	continue centralized and standardized purchasing  LEA LRPT Correlates:	State: Original  Status: In Progress	annually	Technology Director Principals	Inventory control for components similar All Technology purchases approved by Technology

**OBJECTIVE 3.3:**

All administrators will use technology including electronic student management software and test disaggregation software for planning and decision making.

*Budget Amount \$20,000.00*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01, ER02

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

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
3.3.1:	continue to use EDP for PEIMS data collection utilize locally developed web programs for evaluation  LEA LRPT Correlates:	State: Original  Status: In Progress	Annually	Business manager Technology Director PEIMS coordinators	Web counters on access of information Daily attendance Weekly grade reporting Successful submission of PEIMS
3.3.2:	Continue using automated call center for absentee calls and general notifications. Assign duty of setting up notifications to a single employee. Train users on appropriate usage.  LEA LRPT Correlates: EP03, LAS06	State: Original  Status: In Progress	Daily, Annually	Technology Director Principals PEIMS Coordinators	Call logs of the system
3.3.3:	Annual software license including importing state data and on-site staff training will be provided to curriculum directors, principals and teachers  LEA LRPT Correlates: EP01, EP03, LAS01	State: Original  Status: Planned	annual	curriculum director	Teacher and Principal run reports

**OBJECTIVE 3.4:**

Provide adequate funding through local, state and federal government support as well as other support of non-governmental agencies to provide 100% of this plan.

*Budget Amount \$2,000.00*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 03, 04a, 04b, 05, 06, 07, 08, 09, 10, 11, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
3.4.1:	pursue outside funding sources from grants, donations, foundations and business partnerships  LEA LRPT Correlates:	State: Original  Status: In Progress	Annually	Grant Writer Business manager Technology Director Superintendent Principals Site Based Committees	Number/amount of grants will be adequate to make continued advancements in technology affordable to the district.

3.4.2:	fully utilize state and local technology funds  LEA LRPT Correlates:	State: Original  Status: In Progress	annually	Technology Director Business Manager Superintendent Principals Site based Committees Teachers/Staff	Budget utilized to meet the basic technology needs of the district..
<b>OBJECTIVE 3.5:</b>  Methods will be incorporated to improve campus security.  <i>Budget Amount \$1,000.00</i> <i>LRPT category: Leadership, Administration and Support</i>  E-Rate Correlates: NCLB Correlates: 02, 09, 12					
<b>Strategies</b>		<b>State/Status:</b>	<b>Timeline:</b>	<b>Person(s) Responsible:</b>	<b>Evidence:</b>
3.5.1:	investigate and deploy security management systems that may include video cameras in strategic locations that can be monitored at multiple locations  Comments: Each campus presents a different challenge when providing security. The idea is that each campus will determine the needs and sophistication of a security monitoring system and deploy it based on their needs.  LEA LRPT Correlates: EP03, I01, I03, I06, LAS07, LAS08	State: Original  Status: Planned	January 2010	Superintendent Campus Principals Business Manager Technology Director	installation of services achieves
3.5.2:	Implement a phone system that takes advantage of newer technologies to monitor incoming phone calls.  LEA LRPT Correlates:	State: Original  Status: Planned	January 2010	Superintendent Technology Director Business Manager Telephone Coordinator	Phone logs

**GOAL 4: Odem-Edroy Independent School District is committed to maintain technology equipment and services provided for the community.**
**OBJECTIVE 4.1:**

Provide adequate computers to perform daily operations at all campuses and offices throughout the district.

*Budget Amount \$600,000.00*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 03, 05, 07, 12

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
4.1.1: maintain current student to workstation ratio of 2:1  Comments: We will be increasing the number of computers in the district to 600. This will place our ratio of student computers 2:1  LEA LRPT Correlates: EP05, I01, I02, I04, I07, I08, I09, LAS01, LAS04	State: Original  Status: In Progress	Annually	Principals Superintendent Technology Director Curriculum Director	Inventory of working computers compare to PEIMS student report
4.1.2: replacement network components on a 5 year scheduled plan.  LEA LRPT Correlates: I01, I02, I03, I04, I06, I07, I08, I09, LAS01, LAS04	State: Original  Status: In Progress	annually with budget	Principals SBDM (Campus and District) Superintendent Technology Director	electronic inventory of working computers other equipment inventory
4.1.3: maintain network computers and equipment as required prior to scheduled 5 year retirement.  LEA LRPT Correlates: I01, I03, I04, I05, I06, I07, I08, I09	State: Original  Status: In Progress	annually as needed	Technology Director Technicians Network Administrator	equipment inventory repair logs
4.1.4: provide adequate technology to meet the needs of special education and vocational students  LEA LRPT Correlates: I01, I02, I03, I06, I08, I09, TL01, TL03, TL04, TL11, TL12	State: Original  Status: Planned	annual as needed by evidence of ARD	Technology Director Vocational Instructional Staff Special Education Staff	appropriate and functional equipment accessible for students with special needs

**OBJECTIVE 4.2:**

All computers will connect to the district network at 1 gigabit.

*Budget Amount \$165,000.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01, ER02

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

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
4.2.1: Upgrade district network infrastructure to include gigabit to the desktop and 10 gigabit connections between campuses  Comments: All computers that are being replaced now have gigabit network, it is only logical that we would take advantage of the newer technology by placing switches that meet the capacity. With the increase in network capability of the computers the core switching between campuses will need to be increased to meet the extra need.  LEA LRPT Correlates: I01, I02, I03, I07, I08,	State: Original  Status: Planned	January 2010	Technology Director Business Manager Contractors	Switches replaced and improved connectivity



	LAS01, TL06				
4.2.2:	<p>setup and maintain wireless zones for campuses and common areas. The system must separate the traffic produced by district maintained equipment and non-district maintained equipment so that users of non-district equipment can not access district resources</p> <p>Comments: Junior High campus wireless zone was completed 2005-2006 school year. Other areas to be completed as funding and expertise is available.</p> <p>LEA LRPT Correlates: I01, I02, I03, I04, I06, I07, I08, I09, LAS01, LAS03, LAS04, LAS05, LAS07, LAS09, LAS13, TL06, TL14</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>All security devices in place and functioning by August 2008</p> <p>Network personnel will be trained by December 2008</p> <p>All wireless zones completed 2010</p>	<p>Technology Director</p> <p>Principals</p> <p>Superintendent</p> <p>School Board</p>	<p>Students will be able to work in zoned areas without restriction of network cables.</p> <p>Zones active according to logs</p>
4.2.3:	<p>continue to provide high quality and reliable Internet Service.</p> <p>LEA LRPT Correlates: I01, I02, I03, I07, I08, I09, LAS01, LAS03, LAS04, LAS05, LAS07, TL06, TL09</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>Annually</p>	<p>Technology Director</p> <p>Business Manager</p> <p>Superintendent</p>	<p>Annual fees</p> <p>Connectivity to Internet II</p>
4.2.4:	<p>Maintain bandwidth to the Internet for data and video requirements of the district</p> <p>LEA LRPT Correlates: I01, I02, I03, I07, I08, I09, LAS01, LAS03, LAS04, LAS05, LAS07, TL06, TL09, TL15, TL16</p>	<p>State: Original</p> <p>Status: Planned</p>	<p>Annually evaluate the current bandwidth</p> <p>Increase bandwidth as required</p>	<p>Technology Director</p> <p>Superintendent</p>	<p>move order and competed work order</p> <p>bandwidth monitoring</p>
4.2.5:	<p>Provide secondary access to the Internet as a backup and for community wireless access</p> <p>LEA LRPT Correlates: I01, I03, I05</p>	<p>State: Original</p> <p>Status: Planned</p>	<p>November 2007 - equipment configured as firewalls and routers</p> <p>December 2007 - access ordered and installed</p> <p>January 2008 - Training for network technicians</p> <p>April 2008 - Secondary circuit completely functional</p>	<p>Superintendent</p> <p>Technology Director</p> <p>Network Administrator</p> <p>Technicians</p>	<p>Work Order</p> <p>Logs</p> <p>Certifications</p>
4.2.6:	<p>Provide safe, adequate and appropriate electrical service to technology equipment.</p> <p>LEA LRPT Correlates: I01, I04, I08, LAS14, LAS15</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>Safety and Electrical Inspections Monthly (Principals, Administrators)</p> <p>Electrical needs survey annual</p>	<p>All Staff</p> <p>Electricians and Engineers</p>	<p>Electricity accessible, functional and safe in all locations.</p>

**OBJECTIVE 4.3:**

Provide adequate shared network resources and computer peripherals for all campuses' educational needs.

*Budget Amount \$66,000.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

NCLB Correlates: 03, 05, 06, 07, 08, 11, 12

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
<p>4.3.1: maintain current services (e-Mail, web, data and district/campuswide curriculum programs) and add new services (i.e. Class Server)</p> <p>LEA LRPT Correlates: EP03, I01, I05, I06, I09, TL02, TL08, TL09</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>daily, weekly, monthly and annual maintenance of database, email and web servers</p> <p>annual with licenses as required</p>	<p>principals</p> <p>technology department</p> <p>campus site based committees</p>	<p>Availability of services</p> <p>Service logs</p>

4.3.2:	Maintain a 5 year replacement cycle for critical technology.	State: Original	annually	technology department principals teachers Business Manager	All computers/servers with a maximum of 5 years as indicated by inventory.
	LEA LRPT Correlates: I01, I04, I05, I06, I07	Status: In Progress			

**OBJECTIVE 4.4:**

Assist in community training for adult literacy including GED and ESL programs and After-schol programs.

*Budget Amount \$12,000.00*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01

NCLB Correlates: 03, 06, 10

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
4.4.1:	Students will be provide use of computers for instructional and educational after school hours.  Comments: Additional software and staffing will be taken from other programs.  LEA LRPT Correlates:	State: Original  Status: Planned	daily Monday through Friday starting in September and running through May annually.	teachers, principals, technology department	electronic computer logs

**OBJECTIVE 4.5:**

Provide wireless connectivity for students, parents and employees at all locations in the district.

*Budget Amount \$150,000.00*

*LRPT category: Infrastructure for Technology*

E-Rate Correlates: ER01

NCLB Correlates: 05, 06, 08, 09, 10

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
4.5.1:	<p>Wireless access points will be provided to outside areas of the school district to provide 100% coverage while walking through the campus.</p> <p>Comments: Wireless access will be available for all district owned laptops and other wireless devices to allow students to work in non traditional settings and to expand research time beyond the normal school operations.</p> <p>LEA LRPT Correlates: I01, I02, I03, LAS01, LAS09, LAS11, TL09</p>	<p>State: Original</p> <p>Status: Planned</p>	Completed by end summer 2010	Technology Director; Business Manager; Superintendent	Network surveys
4.5.2:	<p>Deploy addition wireless access points throughout the city of Odem and community of Bethel to provide wireless access at home for all students.</p> <p>LEA LRPT Correlates: I01, I03, I05, LAS01</p>	<p>State: Original</p> <p>Status: Planned</p>	City should be 100% covered by summer 2011 with outlying areas to be covered by 2012	Technology Director; Superintendent; Business Manager; City Leaders;County Leaders;	Network surveys

# Budget

Total amount of Title II, Part D formula funds received for the current year of this plan: \$2,897.00

Method of application for formula funds: Local Application

Budget year 2009		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$190,000.00	98% Local 2% Title IID
Telecommunications & Internet Access	\$33,000.00	80% E-Rate 20% Local
Materials & Supplies	\$80,000.00	50% Local 40% State Technology 5% Special Education 5% Vocational
Equipment	\$676,000.00	60% E-Rate 18% Rural Technology 16% Local 5% Rural Utilities 1% Special Education/Vocational
Maintenance	\$68,000.00	50% Local 40% State Technology 5% Special Education 5% Vocational
Miscellaneous Expenses	\$0.00	100% Local
Total	\$1,047,000.00	

Budget year 2010		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$191,000.00	97.2% Local 2.8% Title IID
Telecommunications & Internet Access	\$33,000.00	80% E-Rate 20% Local
Materials & Supplies	\$60,000.00	45% Local 40% State Technology 5% RUD Grant 5% Special Education 5% Vocational
Equipment	\$77,000.00	69.4% Local 20.6% RUD Grant 5% Special Education 5% Vocational
Maintenance	\$69,000.00	50% Local 40% State Technology 5% Special Education 5% Vocational
Miscellaneous Expenses	\$0.00	100% Local
Total	\$430,000.00	

Budget year 2011		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$191,000.00	97.2% Local 2.8% Title IID

Telecommunications & Internet Access	\$33,000.00	80% E-Rate 20% Local
Materials & Supplies	\$60,000.00	45% Local 40% State Technology 5% RUD Grant 5% Special Education 5% Vocational
Equipment	\$77,000.00	61.3% Local 28.7% RUD Grant 5% Special Education 5% Vocational
Maintenance	\$60,000.00	50% Local 40% State Technology 5% Special Education 5% Vocational
Miscellaneous Expenses	\$0.00	100% Local
Total	\$421,000.00	

# Evaluation

**Evaluation Process:**

Campus information will be gathered from sources including principal observations, student projects and annual electronic assessments of selected grade level skills by the campus principals. District information including mail logs, event logs, technology requests, training evaluations and monitoring information will be gathered by the technology staff. Teachers will be responsible for completing the Star Chart. The technology director will contract outside auditors to audit the network and technology operations. Information gathered from all sources may be presented to the Technology Committee for review. The Technology Committee will make recommendations for amending the strategies to meet the objectives.

**Evaluation Method:**

Information such as computer inventory, Internet Access, computer use trends and where available software use trends will be gathered by the Technology director on a monthly basis and the reports will be given to the Technology Committee and the District administrative team. Star Charts will be completed annually by campuses and teachers. Reports will be submitted to the Technology Director. Teacher lesson plans will be monitored for technology integration and state academic standard inclusion. A manner of testing the students on technology aptitude will be secured and the data from the test will be used to evaluate the effectiveness of technology curriculum. AEIS data will be used to determine academic achievement. Student and teacher projects will be presented to the Technology Committee. Timelines set for implementing new software, hardware or other digital strategies will be documented. All information presented to the technology committee will be kept on file with the school secretary.

# Appendix

**Attachment item A:**

Acceptable Use Policy

- Web site: <http://www.oeisd.org/policies/network/>

**Attachment item B:**

E-Mail activity

- Web site: <http://mail.oeisd.org/cgi-bin/mailgraph.cgi>

**Attachment item C:**

Internet Usage

- Web site: <http://mail.oeisd.org/sarg>

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ODEM-EDROY ISD does not discriminate on the basis of sex, disability, race, color, age, or national origin in its educational programs, activities, or employment as required by Title IX, Section 504 and Title VI.