

WARREN ISD Technology Plan

2016-2019

Brad McEachern

SUPERINTENDENT

DISTRICT PROFILE

ESC Region 5
City, State Zip WARREN, TX 776640069
Phone (409) 547-2241
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County District Number 229904

Number of Campuses	4
Total Student Enrollment	1302
District Size	1,000 - 1,599
Percent Econ. Disadvantaged	56.22%

Technology Expenditures	\$225,000
Technology budgets reported in plan by category	Teaching and Learning Budget \$47,000 Educator Preparation and Development Budget \$50,000 Leadership, Administration and Support Budget \$82,000.00 Infrastructure for Technology Budget \$122,449 Total: \$219,499
Technology Expenditure Per Pupil	\$173.00
Number of Campuses with Direct Connection to Internet	4
Percentage of Campuses with Direct Connection to Internet	100.00%
Number of Classrooms with Direct Connection to Internet	128
Percentage of Classrooms with Direct Connection to Internet	100.00%
Computer/Student Ratio	2 student(s) for every computer
Computer/Teacher Ratio	1 teacher(s) for every computer

Plan Introduction

Plan Last Edited 04/10/2016

Plan status:	Created
Years Included in the Plan:	2016-2019
Number of years covered by the plan:	3

Does the district file E-Rate? yes

Technology Planning Committee

Michael Paddie -Assistant Superintendent
Daisy Marino- Instructional Technology
Cherie Stanley- Network Administrator
James Swinney- Principal, Warren High School
Chris Carter- Principal, Fred Elementary School
Steven Cox -Principal, Warren Elementary School
Kristina Weidman - Principal, Warren Jr. High
Russell Hopkins - Band Director
Sara Moore - Tech. Mentor- Warren High School
Angela Moses – Tech Mentor – Warren Elementary
Brandy Bell - Technology Mentor, Fred Elementary
Kristin Lambert-Tech. Mentor, Warren High School
Collin Stanley- Student, Warren High School
Brice Moore - Student, Warren High School
Brittani Bass - Parent
Shandola Langham - Parent

Executive Summary

Warren ISD's Instructional Technologist and Network Administrator began to meet to revise the Technology Plan for our district. The preliminary framework was then given to the Technology Planning Committee, composed of administrators, teachers, students, parents and community members. This committee generated a list of goals and objectives to reach and address the mandates of the No Child Left Behind Act, the Texas Long Range Plan for Technology, and E*Rate compliance. With declining funds from both the federal and state levels, great care has been taken to write realistic goals that can be obtained with limited funds. All funds from all sources will be used to provide the greatest outcome possible for the students of Warren ISD. All goals and objectives were written with correlated references to the aforementioned mandates to be addressed. Goals were written with a budget statement. An evaluation method with performance measures was developed to ensure that the goals of the plan were being met to the greatest extent possible.

Assessment Process:

A comprehensive needs assessment utilizing teacher surveys, interviews, group discussion, and inventories was conducted to analyze the current status of technology in the district and determine future needs. Items analyzed included: infrastructure, software, programs, courses, student achievement, technology resources, staff development, and technical support.

Existing Conditions:

The following technology is currently in place: District-Wide:

Direct connection to the Internet via Fiber Optic Line leased to company.

Written Internet acceptable use policies in place, World Wide Web content, network management, and equipment donations, Wi-Fi in all areas of the district where students will be located.

Distance learning lab available for students, staff, and community members.

Web pages maintained by the Network Administrator with pertinent information, dates, assignments, and news/current events.

All teachers/staff have iPads for instructional and assessment use.

WARREN High School:

Direct connection to the Internet via Fiber Optic leased line.

Web pages maintained by the Network Admin and building principal with pertinent information, dates, assignments, and news/current events.

Fiber-backbone, Ethernet-to-the-desktop connected computer labs with three file servers for advanced technology classes, including desktop publishing, advanced word processing, web mastering, digital graphics and animation, video technology.

Networked online card catalog, Internet access, Texas Library Connection, and automated checkout in the library.

Network drops in every classroom

Data projectors mounted in every classroom.

Smart Boards mounted in 4 math classrooms.

All students have district issued iPads first generation for instructional use.

One designated computer lab for classroom use.

TV in every classroom.

Wireless access points in every classroom, hallway, gym, and cafeteria.

Apple TVs in every core subject.

WARREN Junior High School:

Direct connection to the Internet via Fiber Optic leased line.

Fiber-backbone, Ethernet-to-the-desktop connected computer lab with three file servers for classes and teachers.

Networked online card catalog, Internet access, Texas Library Connection, and automated checkout in the library.

Network drops in every classroom.

Data projectors mounted in every

classroom. Smart Boards mounted in every classroom.

Wireless access points in every classroom, hallway, gym, and cafeteria. One designated computer lab for classroom use.

All students have district issued iPad 2nd generation for instructional use.

Apple TV in every classroom.

WARREN Elementary:

Direct connection to the Internet via Fiber Optic leased line.

Network drops in every classroom.

Data projectors mounted in every classroom.

All elementary schools have at least one networked computer.

Networked online card catalog, Internet access, Texas Library Connection, and automated checkout in the library.

Smart Boards mounted in every classroom.

Four carts of 22/24 iPad 1st generation for classroom checkout.

FRED Elementary:

Direct connection to the Internet via T1 leased line to Warren Jr. High.

Network drops in every classroom.

SMART boards in every classroom.

Data projectors mounted in every classroom.

All elementary schools have at least one networked computer lab.

5 iPad 1st generation in every classroom.

Networked online card catalog, Internet access, Texas Library Connection, and automated checkout in the library. Smart Boards mounted in every classroom.

Technology Needs:

Warren Independent School District's technology needs include updating network hardware and technology infrastructure, instructional training, and updated technology equipment for teacher and student use.

In order to prepare our students for the workforce and higher education, teachers must effectively integrate technology into their daily classroom practices. To accomplish this task, teachers must have access to the technology equipment, be trained on how to operate the equipment, and be trained in how to integrate the use of technology into their teaching practices.

Warren I.S.D.'s technology needs are threefold: 1) network infrastructure needs must be addressed, 2) hardware needs to be purchased in order to update antiquated systems, and 3) teachers must be trained on effectively integrating technology into their daily classroom activities.

Warren ISD is a 1:1 sixth grade- twelfth grade district. Our iPads are first and second generation iPads and need updating in order to utilize the latest operating and productivity software. Having the latest software is pertinent to classroom usage. The need is for new iPads for these grades.

Goals, Objectives, and Strategies

GOAL 1: Identify and promote curricula and teaching strategies that integrate technology effectively into curricula and instruction

OBJECTIVE 1.1:

Increase technology proficiencies of all students through integration of technology in learning that is relevant and authentic

Budget Amount \$91,000.00

LRPT category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 04a, 07, 11

<i>Strategies</i>		<i>State Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.1.1:	Integrate technology into teaching and learning in all subject areas LEALRPT Correlates: EP01, EP02, EP04, EP05, EP09, 102, 107, 109, LAS10, TL01, TL04, TL05, TL06, TL07, TL08, TL09, TL10, TL11, TL12, TL14	State: Revised Status: In Progress	Spring 2016- Spring 2019	Teachers, Instructional Technology Coordinator	Lesson Plans, Evaluations, and Observations
1.1.2:	Increase the use of technology curriculum materials provided with the classroom texts LEALRPT Correlates: TL01, TL03, TL05, TL06, TL07, TL08, TL09, TL10, TL11	State: Revised Status: In Progress	Spring 2016- Spring 2019	Campus Principal, Teacher, Instructional Technology Coordinator	Observations, Lesson Plans
1.1.3:	Monitor TEKS integration and assess and update accurately and timely LEALRPT Correlates: EP02, TL01, TL04, TL05, TL06, TL07, TL08, TL09, TL10, TL11, TL12	State: Revised Status: In Progress	Spring 2016- Spring 2019	Campus Principals and Technology Coordinator	Lesson Plans, Evaluations, Observations

GOAL 2: Incorporate existing and emerging technology into curriculum and instruction					
OBJECTIVE 2.1:					
Continue to advance in the use of technology for relevant instructional learning and to increase the teacher's ability to teach					
<i>Budget Amount \$91,000.00</i>					
<i>LRPT category: Teaching and Learning</i>					
E-Rate Correlates: ER01					
NCLB Correlates: 01, 02, 03, 04a, 04b, 06, 07, 08, 11, 12					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.1.1:	Campuses will have access to existing and emerging technology for instructional purposes. LEALRPT Correlates: 101,103,106, TL01, TL05, TL06,TL07, TL08,TL09,TL10, TL11, TL14	State: Revised Status: In Progress	Spring 2016- Spring 2019	Superintendent, Technology Coordinator, Network Administrator and Principals	Classroom use and purchases of new technologies
2.1.2:	Teachers will utilize available hardware and software including computers, scanner, digital cameras, data projectors, and other peripherals to enhance learning and enrich teaching. LEALRPT Correlates: TL01, TL02, TL05, TL06, TL07,TL08,TL09,TL10,TL11	State: Revised Status: In Progress	Spring 2016- Spring 2019	Principals, Teachers, Technology Coordinator	Observations and Lesson Plans
2.1.3:	Teachers will continue to develop and present curriculum integrated technology activities in their classroom. LEALRPT Correlates: EP01, TL01, TL04, TL05, TL06,TL08,TL09,TL11	State: Revised Status: In Progress	Spring 2016- Spring 2019	Campus Principals and Teachers, Technology Coordinator	Lesson Plans and observations
2.1.4:	Teachers will facilitate student use and integration of technology in developing classroom projects to promote greater achievement and higher order thinking skills. LEALRPT Correlates: EP01, EP03, 105, LAS10, TL01,TL05,TL06,TL08,TL09,TL12	State: Revised Status: In Progress	Spring 2016- Spring 2019	Campus Principals and Teachers, Technology Personnel	Lesson plans and Observations
2.1.5:	Continue to facilitate the distance learning lab in offering college credits while striving to provide more college courses for students LEALRPT Correlates: LAS15, TL08, TL09, TL12, TL13	State: Revised Status: In Progress	Spring 2016- Spring 2019	Superintendent, Principal, Network Administrator, Technology Coordinator	Functional Distance Learning Lab and College Credits for students
2.1.6:	Provide distance learning opportunities for staff for college credit, graduate work, and professional development LEALRPT Correlates: EP01, EP03, EP04, EP06, EP07, EP08, 101, TL08, TL12, TL13, TL16	State: Revised Status: Planned	Spring 2016- Spring 2019	Superintendent and Technology Personnel	Functional Distance Learning Lab with Staff participation

2.1.7:	Continue the use of the Accelerated Math Program with the use of the scantron technology and the expand this program to full use on other campuses LEALRPT Correlates: LAS02, TL01, TL05, TL07	State: Revised Status: In Progress	Spring Spring Spring 2016-	Superintendent, Technology Department, Campus Principals, and Teachers	Electronically scored Math TEK objectives
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GOAL 3: Use the district's electronic resources to provide educational services to the community

OBJECTIVE 3.1:

Develop technology services for use by the community to educate the community in technology and inform the community of school related items

Budget Amount \$69,000.00

LRPT category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 09, 10

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.1.1:	Continue to maintain a district web site to provide information involving classroom activities of all campuses, links to educational sites and individual campus web sites LEALRPT Correlates: 102, 103, 107, 108, 109, LAS09, TL11, TL15, TL16	State: Revised Status: In Progress	Spring 2016- Spring 2019	Web Page Designer, Superintendent, Technology Coordinator	Current Web Site Information
3.1.2:	District, campus, community and special interests list-serves will be established and maintained to facilitate email communication. LEALRPT Correlates: 102, 107, 109, LASO?, TL15, TL16	State: Revised Status: In Progress	Spring 2016- Spring 2019	Technology Coordinator	Active list-serves to the community, campuses, and district
3.1.3:	Promote and provide online, on-demand parent access to pertinent student information LEALRPT Correlates: 101, 108, LAS11, LAS14, TL15, TL16	State: Revised Status: Completed	Spring 2016- Spring 2019	Technology Coordinator, Network Administrator, Campus Principals	online student information access for parents through school website and grading programs
3.1.4:	Provide distance learning opportunities to the community for GED completion and college credit towards continuing education or a degree LEALRPT Correlates: 102, LAS02, LAS04, LAS05, TL16	State: Revised, Status: Planned	Spring 2016- Spring 2019	Superintendent, Technology Director, High School Principal	Distance learning classes offered to community

GOAL 4: Provide opportunities and support for educators to develop practices in the integration of teaching, learning, and technology

OBJECTIVE 4.1:

Provide ongoing, sustained professional development on effectively integrating technology into teaching, learning, instructional management, and administration for all teachers and staff

Budget Amount \$160,599.00

LRPT category: Educator Preparation and Development

E-Rate Correlates: ER01, ER02

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

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.1.1:	Create a comprehensive technology staff development plan LEALRPT Correlates: EP01, EP03, EP04, EP05, EP08, LAS01, LAS02, LAS03, LAS04, LAS06, LAS08, LAS10, TL06	State: Revised Status: In Progress	Spring 2016- Spring 2019	Technology Personnel, Campus Principals, and Teachers	Implemented Strategies, increased technology use and classroom integration by staff and teachers
4.1.2:	Gather information from teachers concerning skills necessary to meet the expectations for educator technology proficiencies, and begin to train them on the necessary skills to meet these proficiencies LEALRPT Correlates: EP01, EP03, EP04, EP05, EP06, EP07, EP09, 105, 106, 107, LAS10, LAS12, TL04, TL05, TL06, TL07, TL08	State: Revised Status: In Progress	Spring 2016- Spring 2019	Technology Personnel, Campus Principals, and Teachers	Surveys from teachers and other fact gathering materials, increased integration and use of technology in daily classroom activities
4.1.3:	Promote peer teaching and encourage staff to share their abilities, ideas and materials LEALRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP06, EP07, EP09, 105, 106, 107, LAS03, LAS10, TL06, TL08	State: Revised Status: In Progress	Spring 2016- Spring 2019	Principals and Technology Personnel	Active peer groups, cooperation among staff, increased classroom integration
4.1.4:	Provide individual software training for each campuses to ensure the effective use of the available software Comments: As software is developed, purchased, and updated, training and remediation will need to be provided, both on a group and individual basis LEALRPT Correlates: EP01, EP02, EP03, EP05, EP06, EP07, EP08, 105, LAS10, TL01, TL02, TL03, TL06, TL08, TL09, TL16	State: Revised Status: In Progress	Spring 2016- Spring 2019	Principals and Technology Coordinator	In-service training
4.1.5:	Provide training and support in the use of available technology peripherals such as digital cameras, scanners, presentation stations, scantron equipment, smart boards, iPads, Elmos etc. LEALRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP06, EP09, 109	State: Revised Status: In Progress	Spring 2016- Spring 2019	Principals and Technology Personnel	In-service training and individual instruction

GOAL 5: Provide and maintain a network that supports the integration of technology into teaching, learning, and school operations

OBJECTIVE 5.1:

Staff will participate in planning for technology in all classrooms, libraries, and campus facilities.

Budget Amount \$15,000.00

LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 04a, 04b, 06

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
5.1.1:	Form technology committee with representatives from all areas including principals, technology personnel, teachers, librarians, aides, and community representatives LEALRPT Correlates: LAS01, LAS02, LAS04, LAS05,LAS07,LAS08,LAS13	State: Revised Status: In Progress	Spring 2016- Spring 2019	Technology Coordinator	Committee meetings
5.1.2:	Technology Committee will review current resources in using technology to improve student achievement. LEALRPT Correlates: LAS01, LAS02, LAS03, LAS04,LAS05,LAS07,LAS08,LAS09,LAS12, LAS13	State: Revised Status: In Progress	Spring 2016- Spring 2019	Technology Committee	Surveys and Committee Meetings
5.1.3:	Technology committee will formulate a technology plan covering 2016-2019 and will address all guidelines from local, state, and federal entities. LEALRPT Correlates: LAS01, LAS02, LAS03, LAS04,LAS05,LAS07,LAS08	State: Revised Status: In Progress	Spring 2016- Spring 2019	Technology Committee	Approved Technology Plan
5.1.4:	Technology Committee will work with Administration to sustain professional development for all staff. LEA LRPT Correlates: LAS01, LAS02, LAS09, LAS11, LAS13	State: Revised Status: In Progress	Spring 2016- Spring 2019	Technology Committee, Administration	On-going relevant Staff Development

OBJECTIVE 5.2:

Maintain a multi-person technology department with a division of labor that enables more appropriate, efficient responses to ensure maximum use of equipment and programs.

Budget Amount \$67,000.00

LRPT category: Leadership, Administration and Support

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
		State:	Spring	Superintendent,	Full-time trained

5.2.1: Develop and retain a multi-person technology

	department with expertise in installing and supporting the district's technology infrastructure. LEALRPT Correlates: 101,102,107,108,109	Revised Status: In Progress	Spring Spring 2019	Technology Coordinator, Network Administrator	personnel maintaining an efficient network
5.2.2:	Establish a maintenance plan to minimize down-time with campus based personnel being the first line response for troubleshooting and teacher inquiries. LEA LRPT Correlates: LAS01, LAS02, LAS10, LAS15	State: Revised Status: In Progress	Spring 2016 Spring 2019-	Technology Coordinator, Network Administrator	More efficient responses by technology department and more effective use of technology by teachers
5.2.3:	Establish campus technology mentors to provide on-going staff development and training in the use of technology tools and materials available on individual campuses. LEALRPT Correlates: EP01, EP04, EP05, EP07, EP08,EP09,LAS03,LAS06,LAS10	State: Original Status: In Progress	Spring 2016 Spring 2019	Principals and Campus Technology Support Personnel	Increased use of technology by teachers

GOAL 6: Increase the availability of specialized technologies for instruction and learning					
OBJECTIVE 6.1:					
<p>Strive to keep pace with the rapid changing of technology</p> <p><i>Budget Amount \$201,000.00</i></p> <p><i>LRPT category: Infrastructure for Technology</i></p> <p>E-Rate Correlates: ERO1</p> <p>NCLB Correlates: 01, 03, 05, 08, 12</p>					
<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
6.1.1:	<p>Develop a plan for the replacement or repositioning of obsolete technology and infrastructure on a scheduled basis</p> <p>LEALRPT Correlates: 101,102,104,107,108</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2016- Spring 2019</p>	<p>Superintendent, Technology Coordinator, Network Administrator, Principals</p>	<p>Upgraded equipment</p>
6.1.2:	<p>Maintain target of a professional education staff-to-workstation ratio of 1:1</p> <p>LEA LRPT Correlates: 101, 102, 103, 105, 107</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2016- Spring 2019</p>	<p>Superintendent, Network Administrator, Technology Coordinator</p>	<p>1:1 ratio of staff To workstation</p>
6.1.3:	<p>Move toward the technology equipment target of a student to workstation/iPad ratio of 1:1 on all campuses</p> <p>LEALRPT Correlates: 101,102,104,105,107,108</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2016 - Spring 2019</p>	<p>Superintendent, Network Administrator, Technology Coordinator</p>	<p>1:1 ratio of student to workstation/iPads</p>
	<p>include emerging technologies including wireless labs, individual student computing units, elementary keyboarding technologies, and other advances.</p> <p>LEA LRPT Correlates: 101, 102, 103, 104, 105, 106, 107</p>	<p>Revised</p> <p>Status: In Progress</p>	<p>Spring 2016 – Spring 2019</p>	<p>Technology Coordinator, Network Administrator</p>	<p>technologies</p>

Budget

Total amount of Title 11, Part D formula funds received for the current year of this plan: \$5,025.00

Method of application for formula funds: Local Application

Budget year 2017		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$50,000	\$1125 Title 11, Part D \$38985 Local
Telecommunications & Internet Access	\$57,449	75% E-rate 25% local
Materials & Supplies	\$47,000.00	\$30,000 tech allotment \$12,000 local
Equipment	\$65,000	\$20,000 local \$4423 Title V \$9,000 HS allotment
Maintenance	\$67,000.00	\$67,000 local
Miscellaneous Expenses	\$5,000.00	\$5,000 local
Total	\$224,499	

Budget year 2018		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$50,000	\$1125 Title 11, Part D \$38985 Local
Telecommunications & Internet Access	\$57,449	75% E-rate 25% local
Materials & Supplies	\$47,000.00	\$30,000 tech allotment \$12,000 local
Equipment	\$65,000	\$20,000 local \$4423 Title V \$9,000 HS allotment
Maintenance	\$67,000.00	\$67,000 local
Miscellaneous Expenses	\$5,000.00	\$5000 local
Total	\$224,449	

Budget year 2019		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$50,000	\$1125 Title II, Part D \$38985 Local
Telecommunications & Internet Access	\$57,449	75% E-rate 25% local
Materials & Supplies	\$47,000	\$30,000 tech allotment

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		\$12,000 local
Equipment	\$65,000	\$20,000 local \$4423 Title V \$9,000 HS allotment
Maintenance	\$67,000.00	\$67,000 local
Miscellaneous Expenses	\$5,000.00	\$5000 local
Total	\$224,449	

Evaluation

Evaluation Process:

Warren ISD actively monitors all technology implementations as a part of our ongoing evaluation plan. This plan will be revised annually by the Technology Committee. The staff is surveyed yearly about technology needs and usage. The Technology Coordinator is in constant contact with members of the staff, assisting them with their needs and troubleshooting their problems. The instructional technology department continually evaluates the impact of technology on teaching and learning.

Evaluation Method:

The Warren ISD uses an ongoing evaluation process for our technology program. Staff members are continually interviewed by the technology staff about concerns, problems, and ways to improve the technology program. Surveys from the staff are reviewed by the technology staff and results are shared with the administration and technology committee to assess the needs and determine the areas where the technology program needs to grow and develop.

WARREN 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.