

Warren ISD
Technology Plan
2020-2023

Dr. Tammy Boyette
SUPERINTENDENT

District Profile

ESC Region	5
City, State, Zip	Warren, TX, 776640069
Phone	(409) 547-2241
Fax	(409) 547-3405
County District Number	229904

Number of Campuses	4
Total Student Enrollment	
District Size	1,000 – 1,599
Percent Econ. Disadvantaged	

Technology Expenditures Per Year	\$390,100
Technology budgets reported in plan by category	6
Technology Expenditure Per Pupil Per Year	\$284.54
Number of Campuses with Direct Connection to Internet	4
Percentage of Campuses with Direct Connection to Internet	100%
Number of Classrooms with Direct Connection to Internet	128
Percentage of Classrooms with Direct Connection to Internet	100%
Computer/Student Ratio	1 student(s) for every computer
Computer/Teacher Ratio	1 teacher(s) for every computer

Plan Introduction

Last Edit: 06/17/2020

Plan Status: Creation in Progress

Years Included in the Plan: 2020-2023

Number of years covered by this plan: 3

Does the district file E-Rate? YES

Executive Summary

Warren ISD's Technology Director and Technology Assistant 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.

Needs Assessment

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 (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 Webmaster (Technology Assistant) and Network Administrator with pertinent information, dates, assignments, and news/current events.

All teachers/staff have iPads, Chromebooks, or Laptops 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 classrooms have iPads or Chromebooks 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 and smart boards mounted in every classroom.

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

One designated computer lab for classroom use.

All classrooms have iPads 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 or interactive displays mounted in every classroom.

All classrooms have iPads for instructional use.

2 carts of 25 iPads each and 2 carts of 35 Chromebooks each.

FRED Elementary:

Direct connection to the Internet via GigabitEthernet fiber 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.

All classrooms have iPads for instructional use.

3 iPad carts with 25 iPads each.

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

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, in some cases, move to new systems (i.e. 1:1), and 3) teachers must be trained on effectively integrating technology into their daily classroom activities.

Warren ISD is currently not a 1:1 district but is dedicated to working towards a position where we could better suit our students in a situation where a 1:1 environment is necessary for learning (i.e. during the event of national crisis and/or pandemic).

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					
LRPT category: Teaching and Learning					
E-Rate Correlates: ER01					
NCLB Correlates: 01, 02, 04a, 07, 11					
Strategies		State/Status:	Time-line:	Person(s) Responsible:	Evidence:
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 2020-Spring 2023	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 2020-Spring 2023	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 2020-Spring 2023	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					
LRPT category: Teaching and Learning					
E-Rate Correlates: ER01					
NCLB Correlates: 01, 02, 03, 04a, 04b, 06, 07, 08, 11, 12					
Strategies		State/Status:	Time-line:	Person(s) Responsible:	Evidence:
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 2020-Spring 2023	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 2020-Spring 2023	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 2020-Spring 2023	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 2020-Spring 2023	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 2020-Spring 2023	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	State: Revised Status: In Progress	Spring 2020-Spring 2023	Superintendent and Technology Personnel	Functional Distance Learning Lab with Staff participation

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	LEA LRPT Correlates: EP01, EP03, EP04, EP06, EP07, EP08, 101, TL08, TL12, TL13, TL16				
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 2020-Spring 2023	Superintendent, Technology Department, Campus Principals, and Teachers	Electronically scored Math TEK objectives

GOAL 3: Use the district's electronic resources to provide educational services to the community					
<p>OBJECTIVE 3.1:</p> <p>Develop technology services for use by the community to educate the community in technology and inform the community of school related items</p> <p>LRPT category: Teaching and Learning</p> <p>E-Rate Correlates: ER01</p> <p>NCLB Correlates: 09, 10</p>					
Strategies		State/Status:	Time-line:	Person(s) Responsible:	Evidence:
3.1.1	<p>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</p> <p>LEA LRPT Correlates: 102, 103, 107, 108, 109, LAS09, TL11, TL15, TL16</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2020-Spring 2023</p>	<p>Webmaster, Superintendent, Technology Coordinator</p>	<p>Current Website Information</p>
3.1.2	<p>District, campus, community and special interests list-serves will be established and maintained to facilitate email communication.</p> <p>LEALRPT Correlates: 102, 107, 109, LASO?, TL15, TL16</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2020-Spring 2023</p>	<p>Technology Coordinator</p>	<p>Active list serves to the community, campuses, and district</p>
3.1.3	<p>Promote and provide online, on-demand parent access to pertinent student information</p> <p>LEALRPT Correlates: 101,108, LAS11, LAS14, TL15, TL16</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2020-Spring 2023</p>	<p>Technology Coordinator, Network Administrator, Campus Principals</p>	<p>Online student information access for parents through school website and grading programs</p>
3.1.4	<p>Provide distance learning opportunities to the community for GED completion and college credit towards continuing education or a degree</p> <p>LEALRPT Correlates: 102, LAS02, LAS04, LAS05, TL16</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2020-Spring 2023</p>	<p>Superintendent, Technology Director, High School Principal</p>	<p>Distance learning classes offered to community</p>

GOAL 4: Provide opportunities and support for educators to develop practices in the integration of teaching, learning, and technology					
<p>OBJECTIVE4.1:</p> <p>Provide ongoing, sustained professional development on effectively integrating technology into teaching, learning, instructional management, and administration for all teachers and staff</p> <p>LRPT category: Educator Preparation and Development</p> <p>E-Rate Correlates: ER01, ER02</p> <p>NCLB Correlates: 01, 02, 03, 04a, 04b, 06, 07, 12</p>					
Strategies		State/Status:	Time-line:	Person(s) Responsible:	Evidence:
4.1.1	<p>Create a comprehensive technology staff development plan</p> <p>LEA LRPT Correlates: EP01, EP03, EP04, EP05, EP08, LAS01, LAS02, LAS03, LAS04, LAS06, LAS08, LAS10, TL06</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2020-Spring 2023</p>	<p>Technology Personnel, Campus Principals, and Teachers</p>	<p>Implemented Strategies, increased technology use and classroom integration by staff and teachers</p>
4.1.2	<p>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</p> <p>LEALRPT Correlates: EP01, EP03, EP04, EP05, EP06, EP07, EP09, 105, 106, 107, LAS10, LAS12, TL04, TL05, TL06, TL07, TL08</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2020-Spring 2023</p>	<p>Technology Personnel, Campus Principals, and Teachers</p>	<p>Surveys from teachers and other fact gathering materials, increased integration and use of technology in daily classroom activities</p>
4.1.3	<p>Promote peer teaching and encourage staff to share their abilities, ideas and materials</p> <p>LEALRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP06, EP07, EP09, 105, 106, 107, LAS03, LAS10, TL06, TL08</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2020-Spring 2023</p>	<p>Principals and Technology Personnel</p>	<p>Active peer groups, cooperation among staff, increased classroom integration</p>
4.1.4	<p>Provide individual software training for each campuses to ensure the effective use of the available software</p> <p>Comments: As software is developed, purchased, and updated, training and</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2020-Spring 2023</p>	<p>Principals and Technology Coordinator</p>	<p>In-service training</p>

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	remediation will need to be provided, both on a group and individual basic LEA LRPT Correlates: EP01, EP02, EP03, EP05, EP06, EP07, EP08, 105, LAS10, TL01, TL02, TL03, TL06, TL08, TL09, TL16				
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, document cameras, etc. LEALRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP06, EP09, 109	State: Revised Status: In Progress	Spring 2020- Spring 2023	Principals and Technology Coordinator	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					
<p>OBJECTIVE 5.1:</p> <p>Staff will participate in planning for technology in all classrooms, libraries, and campus facilities.</p> <p>LRPT category: Leadership, Administration and Support</p> <p>E-Rate Correlates: ER01, ER02</p> <p>NCLB Correlates: 01, 02, 04a, 04b, 06</p>					
Strategies		State/Status:	Time-line:	Person(s) Responsible:	Evidence:
5.1.1	<p>Form technology committee with representatives from all areas including principals, technology personnel, teachers, librarians, aides, and community representatives</p> <p>LEALRPT Correlates: LAS01, LAS02, LAS04, LAS05, LAS07, LAS08, LAS13</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2020- Spring 2023</p>	<p>Technology Coordinator</p>	<p>Committee meetings</p>
5.1.2	<p>Technology Committee will review current resources in using technology to improve student achievement.</p> <p>LEALRPT Correlates: LAS01, LAS02, LAS03, LAS04, LAS05, LAS07, LAS08, LAS09, LAS12, LAS13</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2020- Spring 2023</p>	<p>Technology Committee</p>	<p>Surveys and Committee Meetings</p>
5.1.3	<p>Technology committee will formulate a technology plan covering 2016-2019 and will address all guidelines from local, state, and federal entities.</p> <p>LEALRPT Correlates: LAS01, LAS02, LAS03, LAS04, LAS05, LAS07, LAS08</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2020- Spring 2023</p>	<p>Technology Committee</p>	<p>Approved Technology Plan</p>
5.1.4	<p>Technology Committee will work with Administration to sustain professional development for all staff.</p> <p>LEA LRPT Correlates: LAS01, LAS02, LAS09, LAS11, LAS13</p>	<p>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2020- Spring 2023</p>	<p>Technology Committee, Administration</p>	<p>On-going relevant Staff Development</p>
<p>OBJECTIVE 5.2:</p> <p>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.</p> <p>LRPT category: Leadership, Administration and Support</p>					
Strategies		State/Status:	Time-line:	Person(s) Responsible:	Evidence:
5.2.1	<p>Develop and retain a multi-person technology department with expertise in</p>	<p>State: Revised</p>	<p>Spring 2020-</p>	<p>Superintendent , Technology Coordinator,</p>	<p>Full-time trained</p>

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	installing and supporting the district's technology infrastructure. LEALRPT Correlates: 101,102,107,108,109	Status: In Progress	Spring 2023	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 2020-Spring 2023	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: Revised Status: In Progress	Spring 2020-Spring 2023	Principals and Campus Technology Support Personnel	Increased use of technology by teachers

GOAL 6: Increase the availability of specialized technologies for instruction and learning					
<p>OBJECTIVE 6.1:</p> <p>Strive to keep pace with the rapid changing of technology</p> <p>LRPT category: Infrastructure for Technology</p> <p>E-Rate Correlates: ERO1</p> <p>NCLB Correlates: 01, 03, 05, 08, 12</p>					
Strategies		State/ Status:	Time- line:	Person(s) Responsible:	Evidence:
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 2020- Spring 2023</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 2020- Spring 2023</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/Chromebook 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 2020- Spring 2023</p>	<p>Superintendent, Network Administrator, Technology Coordinator</p>	<p>1:1 ratio of student to Workstation or Chromebooks</p>
6.1.4	<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>State: Revised</p> <p>Status: In Progress</p>	<p>Spring 2020- Spring 2023</p>	<p>Technology Coordinator, Network Administrator</p>	<p>Software and Hardware Inventory</p>

Budget

Budget Year 2021		
Budget Item	Cost	Funding Sources with amount per source
Technology Staff Development	\$3,100	\$3,100 Local
Telecommunications and Internet Access	\$85,000	80% E-Rate 20% Local
Materials & Supplies	\$80,000	\$80,000 Local
Equipment	\$150,000	\$27,000 Title II \$27,000 Title IV \$50,000 Technology Lending Grant \$46,000 Local
Maintenance	\$67,000	\$67,000 Local
Miscellaneous Expenses	\$5,000	\$5,000 Local
Total		\$390,100

Budget Year 2022		
Budget Item	Cost	Funding Sources with amount per source
Technology Staff Development	\$3,100	\$3,100 Local
Telecommunications and Internet Access	\$85,000	80% E-Rate 20% Local
Materials & Supplies	\$80,000	\$80,000 Local
Equipment	\$150,000	\$27,000 Title II \$27,000 Title IV \$50,000 Technology Lending Grant \$46,000 Local
Maintenance	\$67,000	\$67,000 Local
Miscellaneous Expenses	\$5,000	\$5,000 Local
Total		\$390,100

Budget Year 2023		
Budget Item	Cost	Funding Sources with amount per source
Technology Staff Development	\$3,100	\$3,100 Local
Telecommunications and Internet Access	\$85,000	80% E-Rate 20% Local
Materials & Supplies	\$80,000	\$80,000 Local
Equipment	\$150,000	\$27,000 Title II \$27,000 Title IV \$50,000 Technology Lending Grant \$46,000 Local
Maintenance	\$67,000	\$67,000 Local
Miscellaneous Expenses	\$5,000	\$5,000 Local
Total		\$390,100

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.