

PEARLAND ISD Technology Plan

2017-2020

Dr. John P. Kelly

SUPERINTENDENT

DISTRICT PROFILE

ESC Region 4
City, State Zip PEARLAND, TX 77581-4209
Phone (281) 485-3203
Fax (281) 412-1231
County District Number 020908

Number of Campuses	23
Total Student Enrollment	21,695
District Size	10,000 - 24,999
Percent Econ. Disadvantaged	26.7

Technology Expenditures	\$5,756,326.10										
Technology budgets reported in plan by category	<table> <tr> <td>Teaching and Learning Budget</td> <td style="text-align: right;">\$234,872.10</td> </tr> <tr> <td>Educator Preparation and Development Budget</td> <td style="text-align: right;">\$2500.00</td> </tr> <tr> <td>Leadership, Administration and Support Budget</td> <td style="text-align: right;">\$41,300.00</td> </tr> <tr> <td>Infrastructure for Technology Budget</td> <td style="text-align: right;">\$5,477,654.00</td> </tr> <tr> <td>Total:</td> <td style="text-align: right;">\$5,756,326.10</td> </tr> </table>	Teaching and Learning Budget	\$234,872.10	Educator Preparation and Development Budget	\$2500.00	Leadership, Administration and Support Budget	\$41,300.00	Infrastructure for Technology Budget	\$5,477,654.00	Total:	\$5,756,326.10
Teaching and Learning Budget	\$234,872.10										
Educator Preparation and Development Budget	\$2500.00										
Leadership, Administration and Support Budget	\$41,300.00										
Infrastructure for Technology Budget	\$5,477,654.00										
Total:	\$5,756,326.10										
Technology Expenditure Per Pupil	\$287.33										
Number of Campuses with Direct Connection to Internet	23										
Percentage of Campuses with Direct Connection to Internet	100.00%										
Number of Classrooms with Direct Connection to Internet	1200										
Percentage of Classrooms with Direct Connection to Internet	100.00%										
Computer/Student Ratio	1 computer for every 3 student(s)										
Computer/Teacher Ratio	1 computer for every 1 teacher(s)										
Number of campuses that need to complete the Texas Campus STaR Chart	23										
Percentage of campuses that have completed the Texas Campus STaR Chart	100.00 %										

Plan Introduction

Plan Last Edited 5/30/2012

Plan status:	Approved
Years Included in the Plan:	2017-2020
Number of years covered by the plan:	3
Years Approved for the Plan:	3
Number of Approved Years:	2017-2020

Technology Planning Committee Greg Bartay, Michelle Leggett, Lorena Gonzalez, Seth Fewell, Brenda O'Banion, Lisa Nixon, Donna Tate, Dawn Lyssy, Ellen Akers, Jason Frerking, Margo Gigea, Emilio Garcia, Jill Olson, Laura Reeves

Executive Summary

CURRICULUM DRIVES TECHNOLOGY - We believe the Instructional Program is the primary factor for determining technology needs. Audio/visual technologies and computer technology, appropriate to the environment, can enhance instructional presentation to groups and individuals, group discussions and cooperative learning activities. The plan focuses on facility and technology requirements defined from an instructional viewpoint.

INSTRUCTIONAL PROGRAM, TECHNOLOGY PLAN, and PROFESSIONAL DEVELOPMENT ARE INTERTWINED - We believe the most effective and productive technology implementation is tied to the Instructional Program and to a Professional Development Plan. Through a consistent integration of these three components (Instructional Program, Technology Plan, and Professional Development Plan), the schools will effectively impact the learning processes of students.

For every implementation initiative, the school or district will be able to define the following:

- Instructional task accomplished (Instructional Program)
- Courseware used to accomplish that task (Instructional Program)
- Technology required to deliver the courseware (Technology Plan)
- Facility infrastructure required to support the technology (Technology Plan)
- Teacher training to use the courseware and technology (Professional Development Plan)

STRATEGIC PLANNING - We believe that to maximize the effectiveness of a technology initiative, the implementation process must build toward the next level of the initiative. The success of this technology initiative, during the next two years, is dependent on constant attention to the following factors:

- Securing funds for new technology initiatives
- Securing ongoing operational funds for professional development, professional support, and technical support/maintenance
- Securing long-term capital sources for system upgrades and replacement of obsolete components
- Integrating technology into the curriculum
- Preparing facilities through infrastructure updates
- Evaluating this plan on an ongoing basis as it relates to curriculum, instruction, professional development and infrastructure improvements

This plan is consistent with the recommendations for Local Education Agencies as defined by the Texas Long-Range Plan (LRPT) for technology in the areas of Teaching and Learning, Educator Preparation and Development, Administration and Support Services and Infrastructure for Technology as well as E-Rate guidelines and No Child Left Behind (NCLB).

Needs Assessment Overview

Assessment Resources:

- Teacher Self-efficacy assessment
- Hardware and software inventories
- Feedback from Educational Technology Specialists and campus technology committees
- Staff development evaluation forms
- Infrastructure evaluations
- District-wide facilities study
- Demographic study
- Superintendent's Technology Innovator's Committee

Existing Conditions:

Budgeting:

The Technology General Operating budget has not changed since 2013. Currently the department is utilizing Bonds from the 2016 Bond initiative to refresh old computer systems in the classrooms and update network systems to improve content delivery and performance.

Network:

Pearland ISD currently has fiber connections between all of its campuses and non-instructional facilities. We also have a redundant fiber and internet connection. This provides high speed internet connection to every classroom and wireless access for all staff and students. Each campus has a local area network connecting the campus to the district wide area network. We also have a storage area network (SAN), network attached storage (NAS), network access control (NAC), mobile device manager (MDM), virtual desktop infrastructure (VDI), second-generation firewall with content filter, SSL decryption solution, digital archival system and email archiving system. All staff members have access to email while on campus as well as off-site email access.

Campus:

All elementary, middle and junior high campuses have an average of 3 computers and access to a printer in every classroom. Campus standards include a teacher computer, tablet device, document camera and miracast device with a projector in each classroom. Although the district distribution is one device to 3 students, some campuses have a higher ratio of devices to students.

Pearland High School (PHS) and Dawson High School (DHS) have one teacher computer, tablet device, document camera, miracast device with projector in each classroom and access to 20 computer labs.

Turner Career and College High School (TCCHS) has one teacher computer, tablet device, document camera, miracast device with projector in each classroom and access to 7 computer labs. They also have their own Network Operations Center (NOC) lab.

Teachers use Skyward/Gradebook to input grades and attendance using the computer.

Software has been identified to support students across all subject areas. Below is the student productivity software used on Microsoft OS Windows 10.

All student/teacher computers have the following software:

Microsoft Office 2016 and/or Office 365 (including Publisher, Visio and Project)

KidPix (elementary only)
Kidspiration (elementary only)
Internet Explorer and plug-ins, Chrome, Edge, and Firefox
Adobe Reader

Each campus has access to wireless laptop carts and computer labs. All campuses have access to the wireless network through Bring Your Own Device (BYOD).

Students have access to productivity software and the Internet at every grade level.

Support:

Each campus has the support of a Technology Aide, Technician and an Educational Technology Specialist. These staff members are shared between various campuses. We also have an Assistant Director of Educational Technology. This staff member provides support related to training, staff development and serves as liaison with the campus principals and the Curriculum and Instruction Department (C&I).

Additional services are provided which benefit teachers, students, parents and staff. Some of these services include the Eduphoria suite consisting of Forethought, Workshop, TTESS, Aware, Facilities and Events (F&E), Help Desk and Form Space. Skyward /Gradebook and Attendance, AESOP, Transfinder, Cybersoft Primero, Success Ed, Destiny Library System, Palo Alto content filtering, SonicWall Firewall, Single Sign-on through F5, IPTV, online textbooks and resources from a variety of publishers, iPad Applications, AppSense security software, CANVAS Learning Management software for 7 – 12th grade and Edmodo Learning Management software for K-6th grade, and Discovery Streaming Media round out the core list of applications implemented in our district. We will continue to provide these types of services and upgrade as needed.

Technology Needs:

- Adhere to and review current disaster recovery plan.
- Provide equal technology access for all campuses.
- Improve the student mastery of the Technology Applications TEKS in the elementary, middle and Jr. High campuses. This is assessed in 8th grade with the Technology Proficiency Test required by the State.
- Continue to add personnel for technical and instructional support.
- Utilize of the district infrastructure and Eduphoria software to provide online training using Workshop for staff.
- Continue to investigate Distance Learning and Collaborative Technologies for student and staff utilization.
- Provide access to video projection devices, interactive projectors, whiteboards, and document cameras in all classrooms, computer labs and libraries throughout the district.
- Provide additional and expanded access to Tablet/iPad devices and educational apps.
- Develop and implement teacher technology proficiencies based on the SBEC standards.
- Maintain Internet safety, network security and a virus-free environment for students and staff.

Goals, Objectives, and Strategies

GOAL 1: Infrastructure for Technology: Enhance the quality of instruction through district-wide implementation of industry standard technology hardware and software as an integral part of the learning environment.

OBJECTIVE 1.1:

Provide infrastructure that allows students and staff access to computers and network services.

Budget Amount: \$2,201,654.00

LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 02, 03, 05, 06

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.1.1:	All core curriculum elementary, middle, and Jr. High classrooms will have a minimum of 3 computers and access to a printer. LEA LRPT Correlates: I01, I05, I06, I07, I08, I09, LAS01, LAS02	State: Revised Status: In Progress	Ongoing	Chief Technology Officer (CTO) Desktop Support Services Manager Assistant Director, Educational Technology	Equipment delivered and successfully deployed for student use
1.1.2	All core curriculum high school classrooms will have a minimum of 3 computers and access to a printer. LEA LRPT Correlates: I01, I05, I06, I07, I09, LAS01, LAS02	State: Revised Status: In Progress	Ongoing	CTO Desktop Support Services Manager Assistant Director, Educational Technology	Equipment delivered and successfully deployed for student use
1.1.3	All campuses will use the most up-to-date implementation of the virtual desktop solution (VDI) to deliver software and give staff and student's access to district provided resources. LEA LRPT Correlates: I01, I05, I06, I07, I09, LAS01, LAS02, TL09	State: Original Status: Ongoing	Ongoing	CTO Desktop Support Services Manager Assistant Director, Educational Technology	Successful deployment of VDI for all campuses.
1.1.4	All campuses have access to Pearland ISD WI-FI network to support the "Bring Your Own Device" (BYOD) initiative. LEA LRPT Correlates: I01, I05, I06, I07, I09, LAS01, LAS02, TL09	State: Original Status: Ongoing	Ongoing	CTO Network Coordinator Network Managers Desktop Support Services Manager	Successful implementation of Wi-Fi infrastructure district-wide.

OBJECTIVE 1.2:

Provide quality software that supports and enhances instruction and is compatible with current and emerging technologies.

Budget Amount: \$250,000.00
 LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01
 NCLB Correlates: 01, 03, 05, 07, 09, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.2.1:	Ensure that all software is aligned in such a way that all components of the curriculum are compatible and consistent with district objectives and increase student achievement. LEA LRPT Correlates: I01, I09, TL03, TL04, TL08, TL10, TL12	State: Original Status: In Progress	Ongoing	CTO Assistant Director, Educational Technology	Assessment tools for Technology Applications
1.2.2:	Ensure that instructional software is operational and accessible in classrooms and computer lab settings. LEA LRPT Correlates: I01	State: Original Status: In Progress	Ongoing	CTO Desktop Support Services Manager District Technicians Campus Technology Aides	Software is accessible to students and staff. Work orders are closed in a timely fashion in the tracking system.
1.2.3:	Ensure standardization of district software to provide equity for all students and to lower the cost of software by purchasing in volume. LEA LRPT Correlates: I01, I09	State: Original Status: In Progress	Ongoing	CTO Desktop Support Services Manager District Technicians Campus Technology Aides	Eduphoria F&E Software Inventory All technology purchase orders are approved by the Director of Technology

OBJECTIVE 1.3:
 Acquire hardware that supports instructional goals while aligning with industry standards.

Budget Amount: \$2,800,000.00
 LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01
 NCLB Correlates: 03, 05, 06, 08, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.3.1:	Continue to replace/refresh end use clients as needed within the VDI environment. LEA LRPT Correlates: I02, I05, I07, I08, I09	State: Original Status: Ongoing	Ongoing	CTO	Utilizing Virtual Desktop Infrastructure to increase the life of current technology

1.3.2:	Maintain a technology hardware and software specification list. LEA LRPT Correlates: I01	State: Original Status: In Progress	Summer 2014	CTO Desktop Support Services Manager Assistant Director, Educational Technology	List will be maintained and posted as of Summer 2014
1.3.3:	Continue to purchase and support mobile devices for student use at all campuses. LEA LRPT Correlates: I04, TL08, TL09	State: Original Status: In Progress	Ongoing	CTO Assistant Director, Educational Technology	iPad Carts purchased for at least the elementary campuses.
1.3.4:	Continue to support the purchase of interactive projection devices and/or interactive whiteboards for all campuses. LEA LRPT Correlates: I01,	State: Revised Status: In Progress	Ongoing	CTO Assistant Director, Educational Technology	Equipment delivered and installed.
1.3.5:	Design and update technology standards for classrooms to meet changing criteria for STaR LEA LRPT Correlates: I01, I06, I07, LAS02	State: Original Status: In Progress	Ongoing	CTO Assistant Director, Educational Technology, Educational Technology Specialists	Hardware and software are implemented

OBJECTIVE 1.4:

Maintain, secure and protect district hardware investments.

Budget Amount: \$226,000.00

LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03, 05, 06

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.4.1:	Maintain anti-virus, spam, spyware, and web filter software program updates. LEA LRPT Correlates: I01	State: Revised Status: In Progress	Ongoing	CTO, Network Coordinator Network Managers	No infected computers, No network down time, students and staff are blocked from inappropriate content
1.4.2:	Continue the installation of digital video surveillance cameras. LEA LRPT Correlates: I01	State: Original Status: In Progress	Ongoing	Assistant Superintendent of Student Services Director of Technology, Network Coordinator Telecommunications Managers	Camera installation complete and functioning
1.4.3:	Install a redundant backup generator and UPS to support the district NOC and telephone system.	State: Original	Scheduled	CTO, Network Managers	Installation of generator

	LEA LRPT Correlates: I01	Status: In Progress			
1.4.4:	Convert from the centralized tape backup library to digital format, SAN and email archive system. LEA LRPT Correlates: I01, TL15	State: Revised Status: In Progress	August 2014	CTO Network Coordinator Network Managers	Installation of hardware
1.4.5:	Evaluate and purchase networking equipment and services to increase network capabilities. LEA LRPT Correlates: I01	State: Original Status: In Progress	Ongoing	CTO Network Coordinator Network Managers	Annual evaluation conducted
1.4.6:	Review and revise technology components of the District Emergency Response and Disaster Recovery Plan. LEA LRPT Correlates: LAS04, LAS14	State: Original Status: In Progress Completion Spring 2014	Ongoing	CTO Network Coordinator Network Managers Desktop Support Services Manager Assistant Director, Educational Technology Lead Programmer Student Data Manager	Formal plan developed and updated regularly DR Site located at Socorro ISD in El Paso Texas
1.4.7:	Identify E-Rate qualified technology and secure funding for qualified purchases. LEA LRPT Correlates: LAS04	State: Original Status: In Progress	Ongoing	CTO E-Rate Consultant	E-Rate applications filed and projects funded
1.4.8:	Develop a data-warehousing application for the purpose of cross referencing of data across district systems. LEA LRPT Correlates: I01, I09	State: Original Status: In Progress	Scheduled	CTO Lead Programmer	Installation of SQL database server
1.4.9:	Maintain 2 redundant fiber rings and Internet connections to ensure high speed Internet connections for all classrooms, offices and libraries. LEA LRPT Correlates: I01, I04, I05, I06, I08, LAS09, LAS11, LAS14, TL09, TL10, TL11, TL16	State: Original Status: In Progress	Ongoing Maintenance	CTO Network Coordinator Telecommunications Manager Network Managers	Internet usage reports provided by Phonoscope
1.4.10:	Provide and maintain a stable telephone system for district communication. LEA LRPT Correlates: I01, LAS04, TL15	State: Original Status: In Progress	Ongoing support	CTO Network Coordinator Telecommunication Managers	Reliable telephone support

1.4.11	Upgrade current-(VoIP) Voice over Internet telephone system to SIP (Session Initiation Protocol) and unified communications to integrate with Active Directory and Exchange mail. LEA LRPT Correlates: I01, LAS04, TL15	State: Original Status: Planned	2014-2016	CTO Network Coordinator Telecommunication Managers	Installation of new phone system.
1.4.12:	Add additional educational technology specialists, district technicians and technology aides to meet the increasing technology needs of the district. Comments: Pending Board approval LEA LRPT Correlates: EP09	State: Original Status: In Progress	Completed	HR Director CTO Assistant Director, Educational Technology Desktop Support Services Manager	Personnel will be hired for August 2014 start.
1.4.13:	Update the district acceptable use policy, network and email guidelines/policies to include all aspects of the BYOD model. LEA LRPT Correlates: TL14	State: Original Status: Ongoing	Ongoing	CTO Assistant Director, Educational Technology Network Coordinator Network Managers Review Committee	Updates are placed in Administrative Guidelines and district website

GOAL 2: Teaching and Learning: Pearland ISD will utilize technology as an integral part of educational improvement and curriculum enhancement

OBJECTIVE 2.1:

Pearland ISD students will use technology effectively and routinely.

Budget Amount: \$70,200.00

LRPT category: Teaching and Learning

E-Rate Correlates: ER02

NCLB Correlates: 01, 02, 04a, 07, 11, 12

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.1.1: Students will use a variety of technologies including, but not limited to; word processors, multimedia software, spreadsheets, databases, content related software, apps, Web 2.0 tools and the Internet to improve technology literacy. LEA LRPT Correlates: TL01, TL05	State: Revised Status: In Progress	Ongoing 2014-2016	Classroom Teachers Educational Technology Specialists Assistant Director, Educational Technology	Student projects, computer logs, lesson plans and assessment rubrics

2.1.2:	Students will use the Internet and on-line databases to research information. LEA LRPT Correlates: TL05, TL08	State: Revised Status: In Progress	Ongoing	Educational Technology Specialists Classroom Teachers	Monitor Internet traffic Student projects
2.1.3:	Students will develop proficiencies in technology applications at each grade level K-12. LEA LRPT Correlates: TL01, TL02, TL03, TL04	State: Revised Status: In Progress	Ongoing	Educational Technology Specialists Classroom Teachers	Student projects products, computer logs, lesson plans and assessment rubrics, STaR Chart
2.1.4:	Research the use of distance learning to offer specialized courses at the high school. LEA LRPT Correlates: TL13	State: Revised Status: In Progress	Ongoing	CTO, Assistant Director, Educational Technology Principals	Course completion, Use of Canvas LMS, Texas Virtual Schools
2.1.5:	Jr. High teachers will implement the district Technology Applications curriculum. LEA LRPT Correlates: TL01	State: Original Status: In Progress	Ongoing	Teachers, Assistant Director, Educational Technology Educational Technology Specialists	Student Portfolios Lesson Plans TTESS
2.1.6:	Provide 21 st Century Global Citizens and Internet Safety Lessons to be implemented across all grade levels. LEA LRPT Correlates: TL01, TL05, TL14	State: Original Status: In Progress	Taught throughout the school year.	Educational Technology Specialists Curriculum Specialists	Lesson Plans
2.1.7:	Offer Virtual Field Trips opportunities to campuses. LEA LRPT Correlates: TL01, TL05, TL08	State: Original Status: Planned	Ongoing	Educational Technology Specialists Curriculum Specialists	Lesson Plans
2.1.8:	Students will use technology for problem solving, data collection, information management, communication, presentations, and decision-making. LEA LRPT Correlates: TL01, TL02, TL04, TL05	State: Original Status: Planned	Ongoing lessons	Educational Technology Specialists Curriculum Specialists	Project based learning activities Reports from software such as Think Through Math, FASTT Math, Read 180, etc.
2.1.9:	Campuses will continue to utilize the state adopted Technology Application material. LEA LRPT Correlates: TL01, TL02, TL03	State: Original Status: In	Ongoing	Assistant Director, Educational Technology Educational Technology Specialists Curriculum Specialists	Completion of online lessons, teacher lesson plans

		Progress			
2.1.10:	Assist in the implementation of online courses to be offered at the high school level. LEA LRPT Correlates: TL13	State: Original Status: In Progress	Ongoing	Executive Director of C&I Assistant Director, Educational Technology	Courses offered in the course catalog ACC Blackboard, Texas Virtual Schools, Edgenuity, Canvas LMS

OBJECTIVE 2.2:

Adapt conditions to improve students with disabilities functioning through the use of assistive technology to access the curriculum.

Budget Amount: \$60,930.00

LRPT category: Teaching and Learning

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 03, 04b, 09, 12

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.2.1:	Provide student access to assistive technology devices and services if needed to meet IEP goals and objectives. LEA LRPT Correlates: I05, I09	State: Revised Status: In Progress	Ongoing	Director of Special Programs	Individual Educational Plan
2.2.2:	Provide a list of all district-wide software and descriptions of the uses and how to obtain the software. LEA LRPT Correlates: I07, I09	State: Original Status: In Progress	Ongoing	Director of Special Programs	Software list
2.2.3:	Train appropriate staff on use of adapted software and devices as needed and upon request. LEA LRPT Correlates: I05	State: Revised Status: In Progress	Ongoing	Director of Special Programs	Training evaluations
2.2.4:	Train parents/guardians on appropriate hardware and software that is sent home with the students. LEA LRPT Correlates: I05	State: Revised Status: In Progress	Ongoing	Director of Special Programs	Training evaluations

OBJECTIVE 2.3:

Infuse technology into curriculum development and planning.

Budget Amount: \$103,742.10

*LRPT category: Teaching and Learning
Leadership, Administration and Instructional Support*

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 03, 04a, 04b, 07, 09, 11, 12

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
2.3.1: The district will participate in the SAIL ON curriculum writing collaboration with other districts to promote academic achievement to meet the TEKS. LEA LRPT Correlates: TL01, TL08, TL12	State: Revised Status: In Progress	Ongoing monthly meetings	Assistant Director, Educational Technology Educational Technology Specialists	Curriculum is posted on the sail on website http://www.pasadenaisd.org/sailon/
2.3.2: Update the district wide scope and sequence for the Technology Applications TEKS in grades K-2, 3-5 and 6-8. LEA LRPT Correlates: TL01, TL06, TL07	State: Revised Status: In Progress	Revisions and updates in progress	Assistant Director, Educational Technology Educational Technology Specialists	Scope and sequence posted in Eduphoria Forethought and on the Internet.
2.3.3: Assist the curriculum specialist when developing the district's core curriculum scope and sequence, lesson plan development and benchmarking. C&I will provide the Specialists with laptops. Technology will provide network access. The end product will be posted on the intranet. LEA LRPT Correlates: TL04, TL05, TL07	State: Revised Status: In Progress	Monthly ongoing planning sessions	Executive Director of C&I Curriculum Specialists Assistant Director, Educational Technology Specialists Director of Testing	Scope and sequence, benchmarks and lesson plans are posted in Eduphoria Forethought
2.3.4: Continue to update student technology proficiencies according to the benchmarks for Technology Applications TEKS LEA LRPT Correlates: TL01, TL03, TL05, TL06	State: Original Status: Planned	Ongoing	Assistant Director, Educational Technology Educational Technology Specialists	Assessment administered and data collected and analyzed
2.3.5: Support the integration of Grades K-8 Technology TEKS into the core curriculum areas by providing planning, curriculum writing, training, follow-up and assessment. LEA LRPT Correlates: EP09, LAS12, TL01, TL03, TL06	State: Original Status: In Progress	Ongoing curriculum writing	Executive Director of C&I Assistant Director, Educational Technology Curriculum Specialists Educational Technology Specialists	Sign in sheets, lesson plans in Forethought
2.3.6: Continue use of Discovery Education online streaming video service.	State: Original	Ongoing	Executive Director of C&I Assistant Director,	Lesson Plans in Forethought

	LEA LRPT Correlates: TL09, TL13	Status: In Progress		Educational Technology Curriculum Specialists Educational Technology Specialists	
2.3.7:	Campuses will continue to utilize Technology Applications adopted materials in grades K-12. LEA LRPT Correlates: TL01, TL02, TL06, TL07	State: Original Status: In Progress	Ongoing	Executive Director of C&I Assistant Director, Educational Technology Curriculum Specialists Educational Technology Specialists	Lesson Plans in Forethought
2.3.8:	Provide opportunities and resources for curriculum writing to develop technology enriched lessons that address the TA TEKS. LEA LRPT Correlates: TL01, TL02, TL03, TL06, TL07	State: Original Status: In Progress	Ongoing	Executive Director of C&I Assistant Director, Educational Technology Curriculum Specialists Educational Technology Specialists	Lesson Plans in Forethought
2.3.9:	Collaborate with C&I Specialists to provide content specific technology information and training tied to the TEKS and Benchmarks including 8 th Grade Technology Proficiencies. LEA LRPT Correlates: LAS10	State: Original Status: In Progress	Ongoing	Assistant Director, Educational Technology Curriculum Specialists Executive Director of Curriculum and Instruction Educational Technology Specialists	Meeting agendas Instructional resources available in Forethought Data for 8 th grade assessment
2.3.10:	Assist in the implementation of online courses to be offered at the High School level within the district. LEA LRPT Correlates: LAS15, TL09, TL13	State: Original Status: In Progress	In Progress	Executive Director of Curriculum and Instruction Campus Principal Assistant Director, Educational Technology	Course Catalog Offerings, Canvas LMS inventory
2.3.11	Provide opportunities and resources for students in Advanced Academics to use leading edge technology resources such as video conference software to allow collaboration worldwide. LEA LRPT Correlates: TL07, TL13	State: Original Status: Planned	In Progress	Director of Advanced Academics Assistant Director, Educational Technology	Evaluation of technology and curriculum based on criteria set by Advanced Academics.

GOAL 3: Educator Preparation and Development: Pearland ISD will provide high quality, on-going staff development and support.

OBJECTIVE 3.1:

Train staff on job-specific technology skills and technology integration.

Budget Amount: \$1500.00

LRPT category: Educator Preparation and Development

E-Rate Correlates: ER02

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

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.1.1:	Train appropriate staff on the Technology Applications Competency Skills as identified by SBEC and the district. LEA LRPT Correlates: EP01, EP02, EP04, EP05, EP07	State: Revised Status: In Progress	Ongoing classes offered during planning times, after school and during the summer	Assistant Director, Educational Technology Educational Technology Specialists	Skills check list, training evaluations and registration reports
3.1.2:	Train appropriate staff on use of grade book and attendance program for interfacing with district student information system. LEA LRPT Correlates: EP03	State: Revised Status: In Progress	Ongoing trainings held throughout the year	Assistant Director, Educational Technology Student Data Manager Student Data Specialists	Training evaluations
3.1.3:	Train instructional staff to operate a variety of technologies - computers, laptops, laptop carts, and various mobile devices, document cameras, printers, and projectors, interactive whiteboards, voting devices, slates and scanners. LEA LRPT Correlates: EP01, EP02, EP03, EP06	State: Revised Status: In Progress	Ongoing classes offered during planning times, after school and during the summer	Assistant Director, Educational Technology Educational Technology Specialists	Training evaluations and sign in sheets
3.1.4:	Train appropriate staff on integration of technology in the curriculum focusing on skills identified in the TEKS. LEA LRPT Correlates: EP01, LAS03, LAS06, LAS08, LAS10	State: Revised Status: In Progress	Ongoing classes offered during planning times, after school and during the summer	Assistant Director, Educational Technology Educational Technology Specialists	Training evaluations and registration reports
3.1.5:	Provide appropriate staff training in data examination and analysis using Aware software. LEA LRPT Correlates: LAS08, TL04	State: Revised Status: In Progress	Ongoing	Director of Testing Testing Specialists	Registration reports and student data reports
3.1.6:	Train staff on use of effective email communication and	State:	Ongoing	Assistant Director,	Sign in sheets

	teacher webpages. LEA LRPT Correlates: LAS06, TL16	Revised Status: In Progress		Educational Technology Educational Technology Specialists	Updated teacher webpages
3.1.7:	Provide ongoing staff development for the district Educational Technology Specialists by attending Region IV conferences, TCEA conference, ISTE and in-house training. LEA LRPT Correlates: EP01, EP02, EP06, EP09, LAS06	State: Original Status: In Progress	Annual conferences	CTO, Assistant Director, Educational Technology	Sign in sheets and certificates of participation
3.1.8:	Provide ongoing staff development for technicians and technology aides. LEA LRPT Correlates: EP09, LAS06	State: Original Status: In Progress	Scheduled throughout the year and summer	Assistant Director, Educational Technology Desktop Support Services Manager	Sign in sheets and certificates of participation
3.1.9:	Use Eduphoria web based software for online staff development registration and to track training attendance and credit received. LEA LRPT Correlates: I01	State: Original Status: In Progress	Ongoing	Executive Director of C&I Assistant Director, Educational Technology Curriculum Specialists Educational Technology Specialists Student Data	Registration documentation online
3.1.10:	Deliver online professional development activities 24/7 by using Eduphoria Workshop. LEA LRPT Correlates: EP08	State: Original Status: Ongoing	Ongoing	Executive Director of C&I Assistant Director, Educational Technology Curriculum Specialists Educational Technology Specialists Student Data	Courses available in Eduphoria Workshop

OBJECTIVE 3.2:

Train appropriate staff on using technology for administrative purposes.

Budget Amount: \$1,000.00

LRPT category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates:04a, 04b, 09

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
3.2.1: Train staff to use technology for administrative purposes (i.e., STAAR disaggregating, textbook inventory, TTESS,	State: Revised	Ongoing	Assistant Director, Educational Technology	Training evaluations, Registration reports and

	student information system). LEA LRPT Correlates: LAS08, LAS10	Status: In Progress		Director of Testing Student Data	Sign-in sheets
3.2.2:	Train staff on student information system. LEA LRPT Correlates: LAS06	State: Revised Status: In Progress	Ongoing	CTO Director of PEIMS Student Data	Training evaluations and Sign-in sheets
3.2.3:	Teachers will manage individualized work of special education students' IEPs using the program Success Ed management software. LEA LRPT Correlates: TL07	State: Revised Status: In Progress	Ongoing	Director of Special Programs	IEPs and ARD information available through the district database
3.2.4:	Provide training on the use of available software, web 2.0 tools and educational apps. LEA LRPT Correlates: EP01, EP03, EP08, EP09	State: Revised Status: In Progress	Training is held throughout the school year and summer.	Assistant Director, Educational Technology Educational Technology Specialists	Sign-in sheets and online evaluations
3.2.5:	Train administrators on Eduphoria software to perform teacher evaluations. LEA LRPT Correlates: LAS03, LAS06	State: Original Status: In Progress	Ongoing	Director, Educational Technology Educational Technology Specialists	Sign-in sheets
3.2.6:	Train teachers how to use the parent portal. LEA LRPT Correlates: LAS11, TL15, TL16	State: Original Status: In Progress	Start of each school year Ongoing training for new staff as needed	Student Data Manager Student Data Specialists	Sign-in sheets
3.2.7:	Investigate best practices regarding subject area curriculum development utilizing technology. LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP06	State: Revised Status: In Progress	TCEA conference February, ISTE and other conferences and webinars	Assistant Director, Educational Technology Educational Technology Specialists	Report of findings New programs

GOAL 4: Leadership, Administrative and Support Services

OBJECTIVE 4.1:

Build community support through public awareness, shared information and collaborative planning.

Budget Amount: \$39,300.00

LRPT category: Teaching and Learning
Leadership, Administration and Support

E-Rate Correlates: ER01

NCLB Correlates: 01, 03, 06, 09, 10, 12

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
4.1.1: Offer Online Global Citizen programs to promote technology safety awareness at all campuses. LEA LRPT Correlates: TL14, TL15	State: Revised Status: In Progress	Annual meetings Ongoing	CTO, Principals, Assistant Director, Educational Technology Educational Technology Specialists	Sign-in sheets Attendee Survey
4.1.2: Provide parent and student web access to student grades and attendance through the Skyward Family Access and Canvas LMS. LEA LRPT Correlates: LAS11, TL15, TL16	State: Original Status: In Progress	Ongoing	Assistant Director, Educational Technology Student Data Manager Student Data Specialists	Online access for parents and students
4.1.3: Utilize district and campus web pages to disseminate school related information, educational resources and student work. LEA LRPT Correlates: TL16	State: Revised Status: In Progress	Webpages are updated as needed	District Web Master Campus Webmasters Educational Technology Specialists Teachers	Parent/Teacher Survey
4.1.4: Provide parents with the opportunity to preview academic student technologies during campus open house and other awareness events. LEA LRPT Correlates: TL15, I03	State: Revised Status: In Progress	Ongoing at campus Open House and parent nights	CTO, Assistant Director, Educational Technology Network Coordinator Technicians Tech aides Desktop Support Services Manager Principals, Educational Technology Specialists	Parent/Teacher Survey
4.1.5: Technology updates will be made available to the community through the Technology Website. LEA LRPT Correlates: TL15	State: Revised Status: In Progress	Ongoing	CTO, Assistant Director, Educational Technology	Information is published and up to date.
4.1.6: Provide audio recording of all Board of Trustees meetings to improve community awareness and support.	State: Original Status: In	Audio files are posted on the Internet after every board meeting.	CTO Director of Communications District Webmaster Desktop Support Services	Audio files are available

	LEA LRPT Correlates: TL15	Progress		Manager	
4.1.7:	Coordinate with University of Houston-Clear Lake to host Family Technology Nights once a semester. LEA LRPT Correlates: LAS07, LAS09, LAS13, TL15	State: Original Status: In Progress	Annual Fall and Spring	U of H-Clear Lake Instructional Contact, Director of Technology, Campus Principal Assistant Director, Educational Technology	Flyers and event
4.1.8:	Broadcast the Board of Trustees Monthly Regular Meeting Video on the Pearland City TV station to improve community awareness and support. Investigate the digital media transfer. Note: Only Regular Board Meetings are posted on the City TV station. All audio will be posted on the district Web page. LEA LRPT Correlates: I08, LAS13, TL15	State: Original Status: In Progress	Monthly	CTO Director of Communications Desktop Support Services Manager Technicians	Video available for public viewing
4.1.9:	Use Raptor Security System to sign in campus visitors. LEA LRPT Correlates: I01	State: Original Status: In Progress	Ongoing	Deputy Superintendent Assistant Superintendents Campus Principals	Software and printers are available, parents signing in with drivers license at front desk
4.1.10:	The district will use a parent notification system to inform parents of campus and district events and for emergency communication. LEA LRPT Correlates: TL15	State: Original Status: In Progress	Ongoing	Director of Communications Assistant Director, Educational Technology Student Data Manager	Reports of usage Skyward and Blackboard Connect
4.1.11:	Provide district employees with remote access to Outlook (email), Eduphoria (lesson plans), and TTESS utilizing the VDI system. LEA LRPT Correlates: I06, I08	State: Original Status: In Progress	Ongoing	CTO Assistant Director, Educational Technology Network Coordinator Desktop Support Services Manager District Programming Team	Programs are available on the district website
4.1.12:	Provide online pre-enrollment services to parents for new and returning students. LEA LRPT Correlates: LAS11	State: Original Status: Planned	Ongoing	CTO Assistant Director, Educational Technology Student Data Manager	Application available online

OBJECTIVE 4.2:

Assess the district technology needs.

*Budget Amount: \$2000.00**LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01

NCLB Correlates: 03, 05, 06

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.2.1:	Evaluate the district-wide technology training program, integration and level of teacher use LEA LRPT Correlates: LAS02, LAS03	State: Revised Status: In Progress	Annually	Asst. Superintendent for Instructional Programs Assistant Director, Educational Technology	Staff development survey results
4.2.2:	Maintain a current district hardware and software inventory as required by TEA. LEA LRPT Correlates: I07, LAS08	State: Revised Status: In Progress	Due annually in April	CTO, Assistant Director, Educational Technology Desktop Support Services Manager Technicians Technology Aides	Results of Eduphoria Reports
4.2.3:	Set priorities based on campus Teacher Technology Self-Assessment technology needs and goals. LEA LRPT Correlates: LAS01, LAS02, LAS03, LAS04, LAS05	State: Original Status: Planned	Completed annually in October	Assistant Director, Educational Technology Principals District Technology Committee	Teacher Technology Self-Assessment results.

Budget

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

Method of application for formula funds: Local Application

Budget year 2014-2015		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$58718.00	Local funds
Telecommunications & Internet Access	\$166818.05	E-Rate funds
Materials & Supplies	\$750	Local funds
Equipment	\$2,300,877.00	Local funds Bond funds
Maintenance	\$351,000.00	Local funds
Miscellaneous Expenses	\$0	State tech funds
Total	\$2,878,163.05	

Budget Year 2015-16		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$58718.00	Local funds
Telecommunications & Internet Access	\$166818.05	E-Rate funds
Materials & Supplies	\$750	Local funds
Equipment	\$2,300,877.00	Local funds Bond funds
Maintenance	\$351,000.00	Local funds
Miscellaneous Expenses	\$0	State tech funds
Total	\$3,190,550.00	

Evaluation

Evaluation Process:

The technology plan will be reviewed every spring semester by a committee and will be updated annually. Reports will be generated and administered to the committee from the 8th grade assessment as well as various programs determined in the plan. Operating procedures will also be reported to the committee. The technology plan is the responsibility of the Director of Technology.

Evaluation Method:

STaR chart and formal and informal surveys will be used as an indicator of progress as well as the 8th grade Technology Proficiency Assessment. Pearland ISD will also use evaluation forms from staff development, feedback from Educational Technology Specialists, Campus Technology Committees and technology inventories.

PEARLAND 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.