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ARANSAS PASS ISD Technology Plan

2017 - 2020

Cara Cooke

SUPERINTENDENT

DISTRICT PROFILE

ESC Region 2
City, State Zip ARANSAS PASS, TX 78336-2442
Phone (361) 758-4200
Fax (361) 758-2962
County District Number 205901

Number of Campuses	5
Total Student Enrollment	1473
District Size	
Percent Econ. Disadvantaged	71.02%

Technology Expenditures	\$881,535.00
Technology budgets reported in plan by category	Teaching and Learning Budget \$501,135.00 Educator Preparation and Development Budget \$58,200.00 Leadership, Administration and Support Budget \$16,800.00 Infrastructure for Technology Budget \$305,400.00 Total: \$881,535.00
Technology Expenditure Per Pupil	\$481.98
Number of Campuses with Direct Connection to Internet	5
Percentage of Campuses with Direct Connection to Internet	100.00%
Number of Classrooms with Direct Connection to Internet	170
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

CIPA Compliance	CIPA compliance was certified by the district on 09/18/2013. Aransas Pass ISD uses web filter services to control and monitor traffic to internet sites from within the district network. Technology Staff monitors use, traffic, and scans district network routinely. Internet safety, Cyber bullying and cyber citizenship are taught at the campus level, as well as helpful links and resources posted to the Aransas Pass ISD's Web site. A public hearing was held on Aransas Pass ISD's Internet Safety Policy and was adopted by the School Board.
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Plan Introduction

Plan Last Edited 1/17/2017

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

Does the district file E-Rate? Yes

Technology Planning Committee

Cara Cooke
Jason Brou
Bryan O'Bryant
Wayne Bennett
Tammy Shedd
Patricia Latham
Arturo Naranjo
Jeremy Saegert
Jason Mansfield
Jaymie Knostman
Cecil Adame

Executive Summary

The Aransas Pass Independent School District Technology Plan represents the District's Three-year plan to implement additional technology and increase its genuine commitment to provide those educational opportunities, which will prepare students for the future. The primary goal of the plan is to support increased student achievement by continuing initiatives that maximize administrative efficiencies, facilitate communications, meet changing curriculum requirements, and emphasize the implementation of the District's and State's Real-World Academic Standards, to ensure that no child is left behind.

Developed through a collaborative effort of campus-based and central office personnel, this plan places major emphasis on the District's responsibility to empower students and staff to access, analyze, apply and communicate information effectively.

Through the effective and efficient use of technology, the District will ensure that:

1. All learners will deepen their understanding of the content in the academic standards and, at the same time advance their knowledge of the Real World.
2. The learning environment is designed to achieve high academic performance by students and prepare them for the future.
3. Educators are fluent with contemporary technology and can use it to expand the learning opportunities for students.
4. The education system reengineers itself to systematically meet the needs of learners in a knowledge-based, global society.
5. Mechanisms are in place for ongoing communication between the school and the broader community of parents, business partners and community members.

All aspects of this technology plan will be revisited and discussed by APISD's Technology Committee to evaluate, refocus and keep abreast of the fast-paced advances in technology.

Needs Assessment

Assessment Process:

District personnel were given the opportunity to provide input to the committee based on individual campus needs.

Existing Conditions:

Aransas Pass ISD's current technology conditions include the following:

[telecommunications services]

1. 200M Fiber Connection, secondary 50M Copper connection to Internet.
2. Point to point wireless 10 megabit connection.
3. Two PRI circuits for voice and VOIP phone system for Aransas Pass ISD.
4. Long distance service for phone system for all schools and central office.

[Hardware]

1. Approximately thirty-two servers providing various services. Hard and Virtual mix
2. Approximately 1200 workstations and terminals.
3. Adequate number of switches and routers to provide connectivity for the workstations and terminals.
4. Copper wiring to every classroom and work area and fiber optic cabling to every building in the district.
5. Enterprise wireless access solution across District.
6. Wireless laptop and projector combinations at each of the five campuses.
7. Mobile tablet devices at all campuses... Ipads/ChromeBooks/Laptop

[Software]

1. Server and workstation operating systems.
2. Office productivity applications to every workstation.
3. Centralized information gathering system.
4. Integrated gradebook, attendance collection, Finance/HR system.
5. Various assessment and student curricular based applications.

[Other services]

1. Filtered, secure, and universal internet access.
2. Google Classroom / Office365
3. Offsite and Onsite Back-Ups

Technology Needs:

-Upgrade systems:

-Continue to provide a ratio of 2 to 1 of workstations to students at all campuses with adequate server support. Increase infrastructure to improve student to computer ratio to a target goal of 1.5 to 1.

-Continue to implement system of replacing dated equipment with a Goal of 20% per year.

- Continue capitalizing on E-rate discounts.

-Provide distance learning for students.

-Provide a certified educational technologist for K-12 campuses.

-Increase Bandwidth on Fiber connection

-Continuous staff development in technology applications.

-Investigate 1-1 initiative and grant opportunities.

-Implement Plan for offsite hosting services.

-Increase wireless coverage throughout District

-Investigate/Implement New phone System upgrade for District

Goals, Objectives, and Strategies

GOAL 1: Aransas Pass Independent School District is committed to improving instruction through the use of technology.

OBJECTIVE 1.1:

Every campus will offer on-line learning.

Budget Amount \$165,000.00

LRPT category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 03, 07, 08, 09

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.1.1:	1. Provide all classrooms with up to three networked workstations/laptop/device so that all students have access to online software for enrichment. LEA LRPT Correlates: I01, TL02, TL05, TL08, TL09, TL13	State: Original Status: In Progress	2017-2020	Technology Director and Campus Principals	Equipment Inventory
1.1.2:	2. Provide all teachers with appropriate technological equipment to allow network access. LEA LRPT Correlates: I01, I04, TL01, TL02, TL10, TL16	State: Original Status: In Progress	2017-2020	Technology director and campus principals	Equipment inventory
1.1.3:	Implement an BYOD (Bring Your Own Device) initiative LEA LRPT Correlates: I01, I03, I04, I05, I08, I09, LAS07, TL05, TL08, TL09	State: Original Status: Planned	2017-2020	Technology director, campus principals, curriculum department	Student and teacher use of mobile devices

OBJECTIVE 1.2:

All students will meet the Technology TEKS.

Budget Amount \$104,283.00

LRPT category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01, 02, 03, 04a, 04b, 07, 08, 09

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.2.1:	Courses/units of study incorporate technology. Students use technology as a tool to discover, analyze, synthesize and organize information to create one grade appropriate project per year. LEA LRPT Correlates: EP01, TL01, TL02, TL03, TL05, TL10, TL11, TL12, TL13, TL14	State: Original Status: In Progress	2017-2020	Teachers, librarians, curriculum dept, and technologist.	1. TEKS based lesson plans 2. Curriculum guides
1.2.2:	Provide enrollment opportunities in advanced, dual credit, and credit recovery. LEA LRPT Correlates: TL01, TL02, TL03, TL10, TL11, TL16	State: Original Status: In Progress	2017-2020	Teachers, Principals, Technology Staff, Librarians	Student schedules, completion rates
1.2.3:	Provide TEA School Report Card information on the district web page. LEA LRPT Correlates: LAS08	State: Original Status: In Progress	2017-2020	Technology staff	Live web page link.

OBJECTIVE 1.3:

The district will provide educational services through technology to the community.

Budget Amount \$12,000.00

LRPT category: Leadership, Administration and Support

E-Rate Correlates:

NCLB Correlates: 04b, 09, 10

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.3.1:	The district will provide training to parents to allow secure access to student information. LEA LRPT Correlates: LAS11, TL14	State: Original Status: In Progress	2017-2020	Technology staff, principals, curriculum staff.	Logs documenting access to student information, sign-in sheets.
1.3.2:	The district will offer English language acquisition classes to non English speakers in the community using technology. LEA LRPT Correlates: LAS09, LAS13	State: Original Status: In Progress	2017-2020	Curriculum staff, technology staff, District ESL Coord.	Sign-in sheets, certificates of completion.
1.3.3:	The district will continue to provide links to adult literacy providers on the district webpage. LEA LRPT Correlates: LAS07, LAS09,	State: Original Status: Planned	2017-2020	Technology Dept, Curriculum Dept.	Links to Adult Literacy Providers on the District Web Site.

GOAL 2: Aransas Pass Independent School District is committed to training educators to be able to deliver instruction through technology.

OBJECTIVE 2.1:

All teachers will meet SBEC technology requirements.

Budget Amount \$58,200.00

LRPT category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 01, 04a, 04b, 07, 08, 11

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.1.1:	District will hire or contract with a technologist. LEA LRPT Correlates: EP01, EP02, EP04, EP05, EP06, EP09, TL16	State: Original Status: In Progress	2017-2020	Human Resources, Curriculum, Technology, Business Office	Employment contract, or an additional duty contract.
2.1.2:	The district technologist will provide technology training. LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP07, EP08, EP09	State: Original Status: In Progress	2017-2020	Technologist	Sign In Sheets, CPE Certificates

OBJECTIVE 2.2:

Teachers will implement methods learned in district technology training to enhance their teaching strategies and motivate students.

Budget Amount \$231,852.00

LRPT category: Teaching and Learning

E-Rate Correlates: ER02

NCLB Correlates: 01, 02, 04a, 04b, 07, 08, 11, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
2.2.1:	Teachers use district approved software for curriculum planning, implementation, and assessment. LEA LRPT Correlates: EP06, EP08, TL06, TL07, TL11	State: Original Status: In Progress	2017-2020	Teachers, principals	lesson plans electronic grades
2.2.2:	Teachers use appropriate management and assessment data to meet individual student needs. LEA LRPT Correlates: EP05, TL06	State: Original Status: In Progress	2017-2020	Principals, teachers	Grades, STAAR scores, Individual education plans
2.2.3:	Teachers use technology for routine administrative tasks, e.g. , grade reporting, attendance reporting, lesson planning as well as proven educational software, e.g library cataloging software, reading software, credit recovery software, special education information management software. LEA LRPT Correlates: EP03, EP05, TL06, TL07, TL08, TL15	State: Original Status: In Progress	2017-2020	Principal, counselor, attendance personnel, technology staff, special education staff, teachers.	Grade reports, attendance reports, lesson plans, software reports.
2.2.4:	Teachers use appropriate assistive technology for students with disabilities as stated in their IEP. LEA LRPT Correlates: EP09, I04, I05, LAS11	State: Original Status: In	2017-2020	ARD committee	IEPs

		Progress			
2.2.5:	Teachers will use approved language acquisition software to improve parent teacher communication. LEA LRPT Correlates: EP01, EP02, EP04, LAS15	State: Original Status: In Progress	2017-2020	Curriculum department	Parent contact logs, training sign-in sheets.
2.2.6:	The district will provide students the opportunity to gain advanced credit and credit recovery through distance learning which includes but is not limited to video conferencing and or web based instruction. LEA LRPT Correlates: TL02, TL09, TL13	State: Original Status: In Progress	2017-2020	Principals, counselors, technology staff, curriculum staff.	Transcripts, grades.
2.2.7:	The district will provide equipment and access for appropriate "electronic field trips" for students at all campuses based on teacher/administrator requests. LEA LRPT Correlates: TL09, TL13	State: Original Status: In Progress	2017-2020	Technology staff, curriculum staff, Principals, teachers.	Inventory reports, lesson plans

GOAL 3: Aransas Pass Independent School District is committed to providing leadership and instructional support through the use of technology.

OBJECTIVE 3.1:

The district will offer remote training.

Budget Amount \$3,000.00

LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER02

NCLB Correlates: 01, 02, 03, 04a, 04b, 06, 08, 10, 11

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
3.1.1:	The district will provide training through distance learning to the board of trustees, district administration, teachers, and paraprofessionals. LEA LRPT Correlates: EP08, LAS09, LAS13	State: Original Status: In Progress	2017-2020	Superintendent, technology staff, curriculum staff, trainers.	Sign-in sheets, certificates, CPE documentation.

OBJECTIVE 3.2:

Administrators use technology including electronic lesson plans, student management software, and other locally developed software for planning and decision making.

Budget Amount \$1,800.00

LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01

NCLB Correlates: 02, 04b, 09, 10, 12

Strategies		State/Status:	Timeline:	Person(s) Responsible:	Evidence:
3.2.1:	Administrators will use reports e.g., compilation of student grades and assessment data, attendance reports, lesson plan reports, and student discipline reports to improve student performance. LEA LRPT Correlates: LAS02, LAS03, LAS14, TL04	State: Original Status: In Progress	2017-2020	Central office staff and principals	Student performance data
3.2.2:	Parents will be provided secure online access to their children's records including student grades, attendance, and discipline reports. LEA LRPT Correlates: I01, I08, TL15	State: Original Status: In Progress	2017-2020	Technology staff and teaching staff.	Tyler SIS (Student Information System) Parent Portal
3.2.3:	Parents will be provided training on how to access secure online information about their child. LEA LRPT Correlates: LAS07, LAS11	State: Original Status: In Progress	2017-2020	Curriculum department, Technology department.	Sign-in sheets and/or certificates of completion.
3.2.4:	The CIP team will develop technology goals and objectives to include training, and include them in the CIP LEA LRPT Correlates: LAS01, LAS02, LAS03, LAS06, LAS07, LAS12	State: Original Status: In Progress	annually	CIP teams	Goals and objectives in each campuses CIP.

GOAL 4: Aransas Pass Independent School District is committed to providing and maintaining the technology infrastructure required to support student learning.

OBJECTIVE 4.1:

Staff will maintain the infrastructure with less than 12 hours of down time per year, and be able to respond to non network issues within 4 hours.

Budget Amount \$35,400.00

LRPT category: Infrastructure for Technology

E-Rate Correlates:

NCLB Correlates: 03, 05, 10

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.1.1:	Technology staff will monitor the network e.g., logs, connections, and bandwidth utilization. LEA LRPT Correlates: I01, I06, I08, I09	State: Original Status: In Progress	2017-2020	technology staff	logs, service requests
4.1.2:	Technology staff will monitor network services e.g., e-mail, web services, client and server software. LEA LRPT Correlates: I01, LAS04, TL08, TL09	State: Original Status: In Progress	2017-2020	Technology staff	Technology requests

OBJECTIVE 4.2:

Maintain and improve classroom network connections through increased bandwidth and wireless connections.

Budget Amount \$270,000.00

LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 02, 06, 07, 12

<i>Strategies</i>		<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.2.1:	Improve current network switching equipment by replacing original switches with new higher bandwidth power over Ethernet switches. LEA LRPT Correlates: I01, I02, I06, I09	State: Original Status: In Progress	2017-2020	Technology Director, Business Manager, and contractors.	Switches will be replaced and connectivity will be improved. District inventory reports
4.2.2:	Increase student to computer ratio to 1.5 to 1. LEA LRPT Correlates: I04, I05, I06, I08, I09	State: Original Status: In Progress	2017-2020	Principals, technology director, business manager	Inventory reports
4.2.3:	Continue obsolescence policy defined as a five year rotation plan on computers and network components. LEA LRPT Correlates: I01, I04, I07, I08, LAS10	State: Original Status: Planned	2017-2020	Technology director, business manager, contractors.	Inventory reports
4.2.4:	Implement yearly network utilization and network security audits. LEA LRPT Correlates: I05, LAS05, LAS08	State: Original Status: In Progress	2017-2020	Technology director	Audit reports

<p>Increase High Bandwidth internet access through dedicated fiber network connection</p> <p>LEA LRPT Correlates 102, 103, 108</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2017-2020</p>	<p>Technology Director</p>	<p>e-rate documentation, Traffic Graphs through new connection</p>
<p>Utilize grants and other outside sources such as e-rate to subsidize technology</p> <p>LEA LRPT Correlates 101, 108</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2017-2020</p>	<p>Director of finance, Technology director.</p>	<p>E-rate documentation, Grant documentation.</p>

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 2018		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$21,400.00	Local fund = 100%
Telecommunications & Internet Access	\$46,500.00	Local fund = 100%
Materials & Supplies	\$53,945.00	EMAT = 77% Local fund = 23%
Equipment	\$101,000.00	EMAT = 20% Local fund = 80%
Maintenance	\$70,000.00	Local fund = 100%
Miscellaneous Expenses	\$1,000.00	Local fund = 100%
Total	\$293,845.00	

Budget year 2019		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$21,400.00	Local fund = 100%
Telecommunications & Internet Access	\$46,500.00	Local fund = 100%
Materials & Supplies	\$53,945.00	EMAT = 77% Local fund = 23%
Equipment	\$101,000.00	EMAT = 20% Local fund = 80%
Maintenance	\$70,000.00	Local fund = 100%
Miscellaneous Expenses	\$1,000.00	Local fund = 100%
Total	\$293,845.00	

Budget year 2020		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$21,400.00	Local fund = 100%
Telecommunications & Internet Access	\$46,500.00	Local fund = 100%
Materials & Supplies	\$53,945.00	EMAT = 77% Local fund = 23%
Equipment	\$101,000.00	EMAT = 20% Local fund = 80%
Maintenance	\$70,000.00	Local fund = 100%
Miscellaneous Expenses	\$1,000.00	Local fund = 100%
Total	\$293,845.00	

Evaluation

Evaluation Process:

The district level technology committee will meet on a regular basis to review the plan, document progress and make any necessary changes or updates. The committee shall report their findings to the central administration, district level site based committee and the school board on an annual basis. District level site based committee members will then disseminate the information to staff members at their respective campuses.

Evaluation Method:

The accountability methods and measures that will be used to evaluate the plan include District AEIS indicators, teacher lesson plans, purchase order records, district inventory records, technology committee meeting agendas and minutes, student course curriculum records and staff training records and sign-in sheets.

ARANSAS PASS 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.