

**SHELDON ISD Technology Plan for E-Rate Year 19
2016 - 2019**

King Davis
SUPERINTENDENT

DISTRICT PROFILE

ESC Region: 4
City, State Zip: HOUSTON, TX 770442002
Phone: (281) 727-2000
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Number of Campuses: 10
Total Student Enrollment: 8545
District Size: 5,000 - 9,999
Percent Econ. Disadvantaged: 79.00%

Technology Expenditures: \$3,062,700.00
- Teaching and Learning Budget: \$1,725,000.00
- Educator Preparation and Development Budget: \$85,500.00
- Leadership, Administration and Support Budget: \$700,000.00
- Infrastructure for Technology Budget: \$552,200.00

Technology Expenditure Per Pupil: \$358.42
Number of Campuses with High-Speed Broadband Internet Access: 10
Percentage of Campuses with High-Speed Broadband Internet Access: 100.00%
Number of Classrooms with High-Speed Broadband Internet Access: 508
Percentage of Classrooms with High-Speed Broadband Internet Access: 100.00%
Computer/Student Ratio: 4 student(s) for every computer
Computer/Teacher Ratio: 1 teacher(s) for every computer
Number of campuses that need to complete the Texas Campus STaR Chart: 10
Percentage of campuses that have completed the Texas Campus STaR Chart: 100.00 %

PLAN INTRODUCTION

Plan Last Edited: 03/23/2016

Technology Planning Committee:
Patsy Cavazos, Chief Academic Officer
Laurinda Schweers, Coordinator of Technology Information
Becky Zalesnik, Coordinator of Digital Learning
Johnny Glenn, Director of Infrastructure
Debbie Butler, Digital Learning Coach
Annette Clark, Digital Learning Coach
Matthew Lincheck, Digital Learning Coach

EXECUTIVE SUMMARY

Sheldon ISD will provide technology services for literacy, integration, and transformative learning to help to prepare students to successfully, live, learn, and work in the Digital Age. The district's infrastructure provides connectivity for both hard-wired and wireless devices, projection equipment, voice enhancement systems, student response systems, IP phones, distance learning, video conferencing, other electronic services, and employee and student-owned devices.

Review and revision of this plan has been an annual district effort including campus Instructional Technology Specialist and district administrators. The current committees are planning for future growth in both student population and technology resources available for student, teacher, and administrator use.

Sheldon ISD believes that:

*Technology is a tool to be used for motivating all learners and encompassing various learning styles.

*Technology is a tool for classroom use which should be provided to enhance instruction provided by the classroom facilitator or teacher.

*Access to the reality of our world is important to the learning opportunities of all learners. Consequently, connectivity is an integral part of the instructional environment.

*Full integration of technology into the classroom will enhance learning. This requires support for staff and students in strategies and methods required to promote such integration.

It is essential for teachers, students, and staff to understand and practice ethical use of technology.

This technology plan is aligned with district, state, and national goals. Funding sources for Sheldon ISD include the various grant funds and local funds.

NEEDS ASSESSMENT

Assessment Process: Sheldon ISD uses both informal and formal data collection to determine district technology needs.

Results of the 2015-2016 campus STaR charts produced the following findings:

*Key Area I: Teaching and Learning- Teachers rated SISD as Developing Tech in this area. Teachers gave the highest ratings to "Design of Instructional Setting Using Digital Content" and "Content Area Connections." Factors in this rating included ongoing access to such programs as Discovery Learning as it integrates with the curriculum, Edgenuity, and other district instructional software programs.

*Key Area II: Educator Preparation and Development- Teachers rated the district as Developing Tech in the category. Teachers gave the highest rating to "Levels of Understanding and Patterns of Use." Although some teachers report that they use technology as a tool in and across the content area to enhance higher order thinking skills, they do not yet create interactive, collaborative, and customized learning environments to move technology integration to the next level. However, those teachers that work in the Digital Learning Cohort and plan and execute digital activities in their lessons with the Digital Learning Coaches integrate technology into their lessons on a regular basis with increased student engagement and student product creation.

Existing Conditions:

Infrastructure:

- *10 gig fiber connectivity for the WAN backbone
- *1 gig copper and fiber for campus LANs
- *Wireless at all campuses
- *100 MB to the desktop throughout the district with 1 gig capability if required
- *POE switches to support VOIP
- *Approximately 30 servers district-wide (most virtual)
- *Two SAN's with nine terabytes of storage
- *One WAP per classroom (AC Protocol)

Hardware:

- *Computer to administrator/teacher ratio - 1:1
- *Computer to student ratio - 1:4
- *One computer workstation per classroom with additional workstations in elementary or secondary classrooms per campus need

Labs:

- *One lab (28-30 computers) at each elementary campus
- *One lab (23-25 computers) at each early childhood campus
- *Two labs (28 computers) at each middle school
- *Eleven labs (20-25 computers) at the high school
- *Three portable wireless laptop/ipad labs for each elementary (24 units per mobile cart)
- *Six portable wireless labs for each middle school (30 units per mobile cart)
- *Seven portable wireless laptop labs at each early childhood academy (24 units per mobile cart)
- *Two portable wireless laptop lab at each early childhood academy (24 units per mobile cart)
- *One portable wireless laptop lab at the Ney Administration Building (24 units per mobile cart)
- *One portable wireless chromebook lab at the NOC Administration Building (24 chromebooks)

Printer Standard: One networked laser printer for every four classrooms, one laser printer per lab, and networked laser printers in libraries and office areas. Xerox copier/scanner/printer/fax machines at each campus and administration.

*Telephone Standard: Nortel/Shortel VOIP in every classroom. Nortel/Shortel VOIP throughout Sheldon ISD.

*Software Standard: District load includes Windows (current version XP and Windows 7) and Office Suite (current version XP with use of Office 2007, 2010, and 2013)

*Servers: Windows 2010 server and exchange server 2010

Technology Needs:

Administrative Needs:

- *Technical and instructional skills for teacher support and student technology needs
- *Accountability for providing teachers time to learn and integrate technology into classrooms
- *Summer Technology Academy sessions
- *Adequate resources to make technology an integral part of the administrative and instructional system Educator Needs

(teachers and paraprofessionals)

- *Improving productivity through technology education to support student technology needs
- *Use of quality web-based activities with students
- *On-going staff development related to integrating technology to promote higher-order thinking skills
- *Resources to make technology an integral part of administrative and instructional systems
- *Professional development devoted to web-based lessons and online teaching
- *Accountability for integrating technology into all areas of instruction
- *Technology equipment including chromebooks and iPads

Student Needs:

- *Student mastery of technology applications TEKS
- *Integrated curriculum in order to use technology as a tool in the learning process
- *Connectivity and hardware resources that support effective communication and instruction
- *Knowledge and skills to be successful in the current and future Digital Age (Digital Literacy and Citizenship)

GOALS, OBJECTIVES, AND STRATEGIES

Goal 1: All students and staff will have available the necessary technological resources for information access, process, and increased student achievement across the district.

Objective 1.1: All educators and students will incorporate technology to improve student academic achievement in all areas of teaching and learning.

Budget for this objective: \$712,500.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER02

NCLB Correlates: 01 04a 07 08 12

Strategy 1.1.1: Teachers and other instructional staff will integrate content specific software into the curriculum to develop and incorporate 21st Century Learning Skills, such as the effective use of real-world tools and the development of cultural literacy and global awareness, higher order thinking, collaboration, creativity, curiosity and risk-taking.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Campus ITS, Curriculum Specialist, Coordinator of Digital Learning, and Principals.

Evidence: Training sign-in sheets, lesson plans, and walk-through evaluation documentation.

Comments: This is an ongoing initiative. Software titles may change as programs change and are revised by the authors. In addition, new instructional and/or productivity software that meets the district's needs may be developed and purchased at any point over the duration of this plan.

LRPT Correlates: I05, LAS05, LAS08, LAS15, TL03, TL05, TL06, TL08, TL16

Strategy 1.1.2: The Director of Infrastructure, Coordinator of Digital Learning will research and evaluate district technology purchases in order to standardize purchases across campuses, to ensure price control, and to ensure best purchasing practices.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Chief Academic Officer, Assistant Superintendent, Administration for Curriculum, Director of Infrastructure, Coordinator of Digital Learning

Evidence: Purchases and purchase orders.

Comments:

LRPT Correlates: I05, LAS01, TL08, TL12

Strategy 1.1.3: The district will provide support for Curriculum Benchmark Assessments in order to increase student achievement.

State: Revised

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Coordinator of Digital Learning and Coordinators of Curriculum

Evidence: Eduphoria/Aware use logs

Comments:

LRPT Correlates: EP03, I05, LAS08, TL04, TL07

Strategy 1.1.4: Provide mobile computing labs where appropriate for classroom instruction.

State: Original

Status: Planned

Timeline: 2016-2019

Person(s) Responsible: Director of Infrastructure, Coordinator of Digital Learning, and Campus ITS

Evidence: Mobile lab usage logs

Comments: Ongoing strategy--additional mobile computing labs will be added as student population increases.

LRPT Correlates: I05, TL07, TL08, TL09, TL12

Strategy 1.1.5: Provide wireless network connectivity where appropriate for classroom instruction.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Coordinator of Digital Learning, Director of Infrastructure

Evidence: Wireless usage logs

Comments:

LRPT Correlates: I05, TL08, TL15

Strategy 1.1.6: Provide technology links to faculty, staff, and the community in order to provide helpful hints on technology usage through the district website.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Coordinator of Digital Learning, Campus ITS

Evidence: Technology information posted on the district website.

Comments:

LRPT Correlates: EP03, LAS07, LAS09, LAS10, TL05, TL15

Strategy 1.1.7: All Kindergarten, first, and second grade teachers will use TPRI/Tejas Lee to diagnose, to prescribe interventions, and to monitor student progress in reading.

State: Original

Status: In Progress

Timeline: 2016-2019 (Early Fall) Initial testing followed by repeat testing for updated data.

Person(s) Responsible: Coordinator of Digital Learning, Coordinator of Bilingual Education, and Coordinator of English/Language Arts

Evidence: TPRI/Tejas Lee data from TANGO software

Comments:

LRPT Correlates: I05, TL05, TL08, TL09, TL12

Strategy 1.1.8: Increase the inventory levels as appropriate for projectors, digital cameras, document readers, audio enhancement systems, SMART-type technology, student response systems, ipads, and chromebooks for the use of integrating technology into the curriculum.

State: Revised

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Coordinator of Digital Learning and Director of Infrastructure

Evidence: Documentation of purchases

Comments:

LRPT Correlates: EP01, EP03, I05, TL08, TL12

Strategy 1.1.9: Provide opportunities for distance learning through the use of video conferencing and virtual coursework in order to partner with other Pre K-12 school districts, institutes of higher education, businesses, community, and parents through Region IV Educational Service Center and Texas Virtual Schools.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Coordinator of Digital Learning, Director of Infrastructure/Technology, Campus Instructional Technology Specialist

Evidence: Logs of video conferences, e-course logs in Eduphoria/Workshop

Comments:

LRPT Correlates: EP06, EP08, I06, I08, I09, LAS05, LAS08, LAS09, LAS10, LAS13, LAS15, TL08, TL09, TL12, TL13, TL15

Objective 1.2: All students will participate in Technology Applications instruction at the appropriate grade level.

Budget for this objective: \$515,000.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 03 04a 05 07 11

Strategy 1.2.1: All Kindergarten students will learn foundational and basic technology skills.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Principal and Campus Instructional Technology Specialist at Early Childhood Academies

Evidence: Technology Applications teacher lesson plans and students reports from Learning.com

Comments: Ongoing strategy based upon TEA Technology Applications TEKS requirements.

LRPT Correlates: I06, LAS05, LAS15, TL01, TL04, TL05, TL06, TL08, TL09, TL12

Strategy 1.2.2: Students in grades 1-5 will use the district adopted curriculum and keyboarding software to build basic keyboarding skills and to acquire and reinforce reading, math, writing, science, and social studies.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Elementary Principals and Campus Instructional Technology Specialists

Evidence: Student enrollment records, and Technology Applications teacher lesson plans

Comments:

LRPT Correlates: I05, LAS15, TL01, TL03, TL04, TL05, TL06, TL08, TL09, TL12, TL13

Strategy 1.2.3: All 7th and 8th grade students may be offered one semester of Technology Applications in order to build basic technology skills, acquire information, solve problems, communicate effectively, and make critical decisions regarding technology trends and issues.

State: Original

Status: In Progress

Timeline: 2016-2019 One semester class (Fall and Spring)

Person(s) Responsible: Middle School Campus Instructional Technology Specialist, Classroom Teachers, and Principals.

Evidence: Technology Applications teacher lesson plans and Student Enrollment Records.

Comments: Ongoing strategy based upon district and TEA Technology Applications TEKS requirements.

LRPT Correlates: I05, LAS15, TL01, TL03, TL04, TL05, TL08, TL09, TL12, TL13

Strategy 1.2.4: Students in high school will be offered at least the minimum number of Technology Applications courses as established by TEA. Technology Applications courses that may be offered may include: Fundamentals of Computer Science, Computer Digital Forensics, Discrete Mathematics, Game Programming & Design, Mobile Application Development, Robotics Programming & Design, Digital Design & Media, Modeling & Animation, Web Communication, Design, & Development.

State: Original

Status: In Progress

Timeline: 2016-2019 Fall and Spring Courses

Person(s) Responsible: Principals, Technology Applications Teachers, and Counselors.

Evidence: High school course catalog, student course enrollment records, and graduation records.

Comments:

LRPT Correlates: I05, LAS15, TL01, TL02, TL03, TL04, TL05, TL06, TL07, TL08, TL09, TL12, TL13

Strategy 1.2.5: All students will have access to and select the appropriate technology to access, process, and convey information.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Coordinator of Digital Learning

Evidence: Lesson Plans, Technology check-out records

Comments:

LRPT Correlates: I05, LAS15, TL01, TL02, TL03, TL04, TL05, TL06, TL07, TL08, TL09, TL10, TL11, TL12, TL13

Strategy 1.2.6: Annually evaluate the Career and Technology classes for updated and emerging technologies appropriate for the curriculum.

State: Original

Status: Planned

Timeline: 2016-2019

Person(s) Responsible: Coordinator of Digital Learning

Evidence: Inventory Reports

Comments:

LRPT Correlates: I05, LAS15, TL08, TL09

Strategy 1.2.7: 7th and 8th grade students may be offered one semester of Touch Data System Data Entry to learn basic word processing skills and to increase typing speed and accuracy.

State: Original

Status: In Progress

Timeline: 2016-2019 Fall class and Spring Class offered

Person(s) Responsible: Coordinator of Digital Learning, Middle School Counselors
 Evidence: Course list, Keyboarding lesson plans, and student enrollment records.
 Comments:
 LRPT Correlates: I05, LAS15, TL01, TL03, TL04, TL05, TL06, TL08, TL09, TL12, TL13

Strategy 1.2.8: In accordance with NCLB requirements, all 8th grade students will take the Technology Applications online appraisal offered through the district's Learning.com subscription.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Coordinator of Digital Learning, Campus Principals, Campus Instructional Technology Specialists

Evidence: Learning.com records and NCLB reports

Comments: This initiative will be ongoing as long as it is required by NCLB.

LRPT Correlates: I05, LAS15, TL01, TL03, TL04, TL06, TL07, TL08, TL09, TL12, TL13

Strategy 1.2.9: In accordance with NCLB requirements, all students K-12 will participate in Internet Safety training comprised of online safety, online etiquette, anti-cyber-bullying, and anti-sexting instruction.

State: Original

Status: In Progress

Timeline: 2016-2019 Fall

Person(s) Responsible: Campus Instructional Technology Specialists and Coordinator of Digital Learning.

Evidence: Lesson plans, Eduphoria forms, and invoices from contracted presentations.

Comments: This will be an ongoing initiative as long as it is required by NCLB.

LRPT Correlates: I05, LAS15, TL01, TL03, TL05, TL06, TL09, TL12, TL13, TL14

Goal 2: All staff will meet new teacher SBEC standards through quality professional development.

Objective 2.1: Innovative technology usage will be encouraged for 100% of staff through incentives and training.

Budget for this objective: \$85,500.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 02 03 04a 06 07 11

Strategy 2.1.1: Provide faculty and staff with online training opportunities focused on basic, intermediate, and advanced skills, curriculum integration, and student achievement.

State: Original

Status: In Progress

Timeline: 2016-2019 August/Monthly/Summer Camp

Person(s) Responsible: Campus Instructional Technology Specialists and Coordinator of Digital Learning.

Evidence: Online course offerings through Eduphoria Workshop, Summer Academy trainings

Comments:

LRPT Correlates: EP01, EP02, EP03, EP04, EP05, I05, LAS06, LAS10, LAS11

Strategy 2.1.2: 1/2 Day staff development for e-mail, network usage, acceptable use, grade book, attendance, Internet Safety, and Eduphoria at the beginning of each school year and as a refresher for staff.

State: Original

Status: In Progress

Timeline: 2016-2019 August Trainings

Person(s) Responsible: Coordinator of Digital Learning and Campus Instructional Technology Specialists

Evidence: Sign-in sheets, Eduphoria workshop electronic documentation

Comments: Ongoing initiative to refresh skills for returning teachers and as initial training of new training.

LRPT Correlates: EP01, EP02, EP03, EP04, EP05, LAS06, LAS12

Strategy 2.1.3: Key stakeholders may attend the Texas Computer Education Association and Texas Library Association conferences each year.

State: Original

Status: In Progress

Timeline: 2016-2019 Fall & Spring (February & June TCEA)

Person(s) Responsible: Coordinator of Digital Learning

Evidence: Event registration forms, purchase orders for registration, CPE certificates through Eduphoria Workshop

Comments:

LRPT Correlates: EP06, LAS06, LAS11, LAS13

Strategy 2.1.4: All teachers will receive training and web space to build classroom web pages in order to share lessons and establish regular online communications with parents.

State: Original
 Status: In Progress
 Timeline: 2016-2019 August
 Person(s) Responsible: Coordinator of Digital Learning and District Webmaster
 Evidence: Teacher web pages linked to the Sheldon ISD web site
 Comments: Annual training for returning teachers and initial training for new teachers.
 LRPT Correlates: EP01, EP02, EP03, EP04, EP08, EP09, I05, LAS06, TL16

Strategy 2.1.5: Provide Summer Technology Academies for teachers, librarians, instructional technology specialists, career and Technology Teachers, and/or administrators to help integrate the latest technology and best practices into existing curriculum.

State: Original
 Status: Planned
 Timeline: 2016-2019 (June)
 Person(s) Responsible: Coordinator of Digital Learning and Instructional Technology Specialist
 Evidence: Sign-in sheets, production evidence, CPE credits, certificates through Eduphoria workshop, and production evidence.
 Comments:
 LRPT Correlates: EP01, LAS02, LAS03, LAS06, LAS10, TL10, TL11

Objective 2.2: Sheldon ISD will provide opportunities for parents and community members to participate in technology-based training.

Budget for this objective: \$61,000.00
 LRPT Category: Teaching and Learning
 E-Rate Correlates:
 NCLB Correlates: 09 10

Strategy 2.2.1: The Sheldon ISD website will provide a current calendar of technology training opportunities.

State: Original
 Status: In Progress
 Timeline: 2016-2019
 Person(s) Responsible: Coordinator of Digital Learning, District Parent Liason
 Evidence: District website and Eduphoria Workshop schedule
 Comments:
 LRPT Correlates: LAS07, LAS09, TL15

Strategy 2.2.2: The computer lab in the Ney Administration Building and the Network Operations Center computer lab will be available for community groups to use for technology training.

State: Original
 Status: In Progress
 Timeline: 2016-2019
 Person(s) Responsible: Coordinator of Digital Learning
 Evidence: Sign-in sheets and calendar records from the secretary to the Chief Academic Officer
 Comments:
 LRPT Correlates: I03, LAS07, LAS09, LAS11, LAS15

Strategy 2.2.3: Technology classes will be held for parents and community members including those taking GED or ESL classes.

State: Original
 Status: Planned
 Timeline: 2016-2019 Fall Classes: ESL/parenting/finance/nutrition Spring: Math/Reading technology resources/apps
 Person(s) Responsible: Director of Bilingual Education, Parent Involvement Liaison and Digital Learning Coordinator
 Evidence: Sign-in sheets/class logs, advertisements on website
 Comments: This program is monitored through the Harris County Department of Education. Classes are held at EEE.
 LRPT Correlates: I03, LAS07, LAS11, LAS13, LAS15

Goal 3: Technology infrastructure will be in place to enable students to successfully integrate technology into all areas of the curriculum.

Objective 3.1: SISD will increase district computing capacity for the classroom by continuing to implement a five-year replacement rotation cycle for campus computers and a four-year replacement cycle for servers.

Budget for this objective: \$52,200.00
 LRPT Category: Infrastructure for Technology
 E-Rate Correlates: ER01
 NCLB Correlates: 02 03 06

Strategy 3.1.1: Technology Services will complete an annual review of campus inventories.

State: Original

Status: In Progress

Timeline: 2016-2019 (Spring)

Person(s) Responsible: Director of Infrastructure/Technology

Evidence: Updated inventory and purchase records

Comments:

LRPT Correlates: I01, I04, I07, I09

Strategy 3.1.2: The director of Infrastructure/Technology and Coordinator of Digital Learning will ensure best practices, total cost of ownership, and standardization when acquiring hardware for instructional purposes in order to meet instructional goals.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Director of Infrastructure/Technology and Coordinator of Digital Learning

Evidence: Annual inventory records

Comments:

LRPT Correlates: I01, I04, I05, I06, I07, I08, I09

Objective 3.2: Maintain network and internet connectivity to support and enhance classroom learning in a safe and secure technological environment.

Budget for this objective: \$500,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03 05 06

Strategy 3.2.1: The district will continue to implement VoIP telephones at all district locations.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Director of Infrastructure/Technology

Evidence: Call Logs

Comments:

LRPT Correlates: I01, I02, I03, I06, I08

Strategy 3.2.2: Update video conferencing equipment and enhance the video conferencing capabilities where appropriate for instruction. Use video conferencing equipment where appropriate to provide announcements to campus classrooms.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Director of Infrastructure/Technology and Coordinator of Digital Learning

Evidence: Logs of video conference usage through Region IV ESC

Comments:

LRPT Correlates: EP06, EP08, EP09, I01, I02, I03, I06, I08, I09, LAS15, TL09, TL10, TL12, TL13

Strategy 3.2.3: Provide student log ins. Increase network storage for staff and provide storage for students.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Director of Infrastructure/Technology

Evidence: Equipment purchased and existing student log in

Comments:

LRPT Correlates: I01, I02, I04, I05, I08, I09, TL08, TL09, TL12, TL13

Strategy 3.2.4: Upgrade the district network as needed to provide high-speed access for data and video in all locations and virtualize servers where applicable.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Director of Infrastructure/Technology

Evidence: Random reviews of connectivity speed, work order reviews, upgrade proposals

Comments:

LRPT Correlates: I01, I02, I05, I06, I08, I09

Objective 3.3: Sheldon ISD will maintain and update a district website which will include community, staff, student, and parent resources.

Budget for this objective: \$436,500.00

LRPT Category: Teaching and Learning

E-Rate Correlates:

NCLB Correlates: 09 10 11

Strategy 3.3.1: The Sheldon ISD website will supply pertinent information to parents, staff, students, and community.
State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Coordinator of Digital Learning, Directors and Coordinators, Campus Instructional Technology Specialists, and Teachers

Evidence: Sheldon ISD web page

Comments:

LRPT Correlates: I03, I06, I08, I09, LAS07, LAS09, LAS13, LAS15, TL08, TL09, TL10, TL13, TL15, TL16

Strategy 3.3.2: Sheldon ISD will maintain the web page via an off-site web hosting service in order to communicate with staff and community when necessary.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Coordinator of Digital Learning

Evidence: Off-site web hosting records, School Wires usage logs

Comments:

LRPT Correlates: I03, LAS13, LAS14

Goal 4: Administrative and Instructional Services will endure transparent use of technology support in curriculum, instruction, and assessment.

Objective 4.1: SISD will support technology in the learning environment.

Budget for this objective: \$675,000.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01

NCLB Correlates: 01 02 03 04b 06 11 12

Strategy 4.1.1: Provide one technical support staff position for every three campuses.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Director of Infrastructure/Technology

Evidence: Records of interviews, hiring records, and payroll records

Comments:

LRPT Correlates: LAS02

Strategy 4.1.2: Support assistive technology as required by the Special Education Department

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Director for Curriculum and Instruction, Director of Special Education Services, and Coordinator of Digital Learning

Evidence: Work order requests from Special Education and purchase orders

Comments:

LRPT Correlates: I05, I09, LAS05, LAS07, LAS08

Strategy 4.1.3: The Technology Department will pursue grants in order to support technology improvements.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Coordinator of Digital Learning, Director of Grants and Compliance, and Director of Curriculum and Instruction

Evidence: Grant submissions and funds from grants awarded

Comments:

LRPT Correlates: LAS02

Strategy 4.1.4: E-Rate Consultant will apply for E-Rate funding annually.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Director of Infrastructure/Technology and Coordinator of Digital Learning

Evidence: Submission of Forms 470, 471, 486, and E-Rate awards

Comments:

LRPT Correlates: LAS02, LAS03, LAS04

Strategy 4.1.5: Provide a portal for parents to track grades, attendance, and discipline for their children in a real-time online environment.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Coordinator of Digital Learning and Director of PEIMS Services

Evidence: Parent Portal shortcut on district website, records from Skyward

Comments:

LRPT Correlates: LAS07, LAS09, LAS11

Strategy 4.1.6: Meet legal requirements for technology use, AUP for personnel, students, teachers, school board members, and community members; Internet filtering in compliance with CIPA; Website usage in compliance with COPPA, SPAM filtering; virus protection.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Coordinator of Digital Learning, Director of Infrastructure/Technology, and Personnel Services

Evidence: AUP for every employee, school board member, and student. Logs and reports from Internet filtering SPAM control software, and/or box checked on every BYOD to access the SISD network.

Comments:

LRPT Correlates: LAS02, LAS05, LAS07, LAS08, LAS09, LAS14

Strategy 4.1.7: 100% of the teaching staff will complete the Teacher STaR chart each November.

State: Original

Status: In Progress

Timeline: 2016-2019 Fall (November)

Person(s) Responsible: Coordinator of Digital Learning and Campus Instructional Technology Specialists.

Evidence: STaR chart completion logs.

Comments:

LRPT Correlates: EP05, LAS02, LAS03, LAS04

Strategy 4.1.8: 100% of campus principals will complete the Campus STaR Chart each November.

State: Original

Status: In Progress

Timeline: 2016-2019 Spring (January)

Person(s) Responsible: Coordinator of Digital Learning

Evidence: STaR Chart completion logs

Comments:

LRPT Correlates: EP05, LAS02, LAS03, LAS04

Strategy 4.1.9: 100% of campus principals will complete the campus NCLB Report through the STaR Chart website per TEA and NCLB requirements.

State: Original

Status: In Progress

Timeline: 2016-2019 Spring (January)

Person(s) Responsible: Coordinator of Digital Learning

Evidence: STaR Chart completion logs

Comments:

LRPT Correlates: EP05, LAS02, LAS03, LAS04

Strategy 4.1.10: All campuses will collaborate with stakeholders to develop campus technology plans. These plans will be used as the foundation for the district technology committee to use in preparing the District Technology Plan and will be used to incorporate into library, campus, and district improvement plans.

State: Original

Status: In Progress

Timeline: 2016-2019 Fall Meeting & Spring Meeting

Person(s) Responsible: Coordinator of Digital Learning

Evidence: Campus Technology Plans submitted and District Technology Plan approved by the School Board

Comments:

LRPT Correlates: EP05, LAS01, LAS02, LAS04, LAS05, LAS07

Objective 4.2: SISD will provide real-time support and training for all hardware and software programs throughout the district.

Budget for this objective: \$25,000.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01 ER02

NCLB Correlates: 02 03 05 06 12

Strategy 4.2.1: Provide real-time support and training for online district wide forms, TTESS and walk through management, staff development

State: Original

Status: In Progress

Timeline: 2016-2019 Early Fall

Person(s) Responsible: Coordinator of Digital Learning and Campus Instructional Technology Specialists

Evidence: Software logs in Eduphoria

Comments:

LRPT Correlates: I05, LAS08

Strategy 4.2.2: Support, upgrade when appropriate, and annually review the following programs that provide administrative capabilities across the district: District Online Application System, Library Automation, Food Service Automation, Finance, Student Services, Benchmark Testing, Intellikey, Visitor Security System, Transportation, Security Camera System, ID-Badge System, and Grade Reporting.

State: Original

Status: In Progress

Timeline: 2016-2019

Person(s) Responsible: Coordinator of Digital Learning, Director of Infrastructure/Technology and Chief Academic Officer

Evidence: Reports from Software

Comments:

LRPT Correlates: LAS01, LAS02, LAS05, LAS08, LAS09, LAS10, LAS11, LAS13

Strategy 4.2.3: Provide the technology necessary to support online state testing.

State: Original

Status: In Progress

Timeline: 2016-2019 (Follows State Testing Calendar)

Person(s) Responsible: Coordinator of Digital Learning and Director of Infrastructure/Technology

Evidence: State test scores from online testing sessions

Comments:

LRPT Correlates: LAS08, LAS15

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:

Budget for year 2016

- Telecom cost: \$309,000.00
- Telecom source: Local & Erate
- Materials cost: \$127,000.00
- Materials source: Local
- Equipment cost: \$150,500.00
- Equipment source: Local & Erate
- Maintenance cost: \$390,000.00
- Maintenance source: Local
- Staff development cost: \$33,500.00
- Staff development source: Local
- Miscellaneous cost: \$10,900.00
- Miscellaneous source: Local
- Total: \$1,020,900.00

Budget for year 2017

- Telecom cost: \$309,000.00
- Telecom source: Local & Erate

- Materials cost: \$127,000.00
- Materials source: Local
- Equipment cost: \$150,500.00
- Equipment source: Local & Erate
- Maintenance cost: \$390,000.00
- Maintenance source: Local
- Staff development cost: \$33,500.00
- Staff development source: Local
- Miscellaneous cost: \$10,900.00
- Miscellaneous source: Local
- Total: 1,020,900.00

Budget for year 2018

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- Telecom source: Local & Erate
- Materials cost: \$127,000.00
- Materials source: Local
- Equipment cost: \$150,500.00
- Equipment source: Local & Erate
- Maintenance cost: \$390,000.00
- Maintenance source: Local
- Staff development cost: \$33,500.00
- Staff development source: Local
- Miscellaneous cost: \$10,900.00
- Miscellaneous source: Local
- Total: 1,020,900.00

EVALUATION

Evaluation Process:

The process that will be used to monitor and document progress made in the implementation of this plan includes providing all technology planning team members, administrators, and principals throughout the district the opportunity to review the plan prior to submission. The plan will be integrated into campus and district improvement plans and will be part of the completed documents for the Board of Trustees approval. The Coordinator of Digital Learning is responsible for reviewing and presenting the plan to the team for evaluation, refining, and redirecting. Instructional evaluation will be completed using a variety of methods including observations, staff and student surveys, and documented walk-throughs by campus administrators. Teachers will be held accountable for the usage of technology in their classrooms using the PDAS instrument. All findings of evaluations will be distributed through reports to campus administrators, the Board, and technology planning committee members.

Evaluation Method:

*Integrating technology into curriculum and instruction and increasing the ability of teachers to teach.

The Sheldon ISD technology staff development program focuses mainly on the integration of technology into the curriculum with a focus of quality student products. Since 100% of the teachers completed the STaR chart for 2015-2016, the data provided from this measure is used to establish accountability methods for subsequent years. Teachers are advancing in their use of classroom technology and are expressing the need for more classroom technology. Teachers have expressed a desire for 24/7 access to professional development. This has caused a shift from the traditional form of technology staff development and has instead created a focus toward online learning and more technology trainings offered through "lunch and learns" and district technology trainings offered to all teachers. Teachers do value technology as a tool for learning and are expressing a need for more technology staff development opportunities. Data will be collected from each technology staff development opportunities provided by the staff. Each subsequent yearly STaR chart will serve as the major accountability measure from the previous year's technology staff development program.

*Enabling students to meet challenging state academic standards. Data driven methodologies are being deployed using diagnostic and prescriptive assessment strategies including hand-held devices and Aware benchmark testing databases. The Aware benchmark testing software will allow teachers and administrators to make informed and timely decisions for each student individually regarding achievement. Staff development and support for Aware software will remain a district focus of high priority.

*Acquiring and deploying technologies and telecommunication serves. A district level team including the Chief Academic Officer, the Coordinator of Digital Learning, Director of Infrastructure and the Digital Learning Specialists work together with campus principals to provide support for growth regarding hardware, software, and other technology needs. Telecommunications services are determined by the team based on identified needs through network tools and software demands.

*Meeting time lines for implementation

All time lines are on-going and overlapping. The Coordinator of Digital Learning and the Director of Infrastructure prioritize based on scope of work, instructional need, and maintenance requirements. Implementation continues to be monitored through meetings and examination of work-flow as recorded through technology requests. Technology requests include informal requests, phone support, service requests, and staff development requests.