

LITTLE CYPRESS-MAURICEVILLE CISD

Technology Plan

2016 - 2019

PAULINE HARGROVE

SUPERINTENDENT

DISTRICT PROFILE

ESC Region 5
 City, State Zip ORANGE, TX 776320708
 Phone (409) 883-2232
 Fax (409) 883-3509
 County District Number 181908

Number of Campuses	6
Total Student Enrollment	3313
District Size	3,000 - 4,999
Percent Econ. Disadvantaged	38.79%

Technology Expenditures	\$3,928,749.66										
Technology budgets reported in plan by category	<table> <tr> <td>Teaching and Learning Budget</td> <td>\$1,151,399.88</td> </tr> <tr> <td>Educator Preparation and Development Budget</td> <td>\$64,317.31</td> </tr> <tr> <td>Leadership, Administration and Support Budget</td> <td>\$1,079,703.25</td> </tr> <tr> <td>Infrastructure for Technology Budget</td> <td>\$1,633,329.22</td> </tr> <tr> <td>Total:</td> <td>\$3,928,749.66</td> </tr> </table>	Teaching and Learning Budget	\$1,151,399.88	Educator Preparation and Development Budget	\$64,317.31	Leadership, Administration and Support Budget	\$1,079,703.25	Infrastructure for Technology Budget	\$1,633,329.22	Total:	\$3,928,749.66
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Infrastructure for Technology Budget	\$1,633,329.22										
Total:	\$3,928,749.66										
Technology Expenditure Per Pupil	\$1,185.86										
Number of Campuses with High-Speed Broadband Internet Access that meets the current FCC target	6										
Percentage of Campuses with High-Speed Broadband Internet Access that meets the current FCC target	100.00%										
Number of Classrooms with WiFi Access	450										
Percentage of Classrooms with WiFi Access	100.00%										
Computing Device/Student Ratio (include Computers and Tablets, but not cell phones)	2 student(s) for every computing device										
Computing Device/Teacher Ratio (include Computers and Tablets, but not cell phones)	1 teacher(s) for every computing device										

CIPA Compliance

CIPA compliance was certified by the district on
06/16/2016.
1/4/2016

Plan Introduction

Plan Last Edited 06/26/2017
Plan status: approved
Years Included in the Plan: 2016 - 2019
Number of years covered by the plan: 3
Years Filed for the Plan: 2016 - 2017
Number of approved years: 1

Does the district file E-rate? yes

Billed Entity Number:

Is district filing for Category 1 services this funding year:

Is district filing for Category 2 services this funding year:

Technology Planning Committee

Kim Allen, Technology Director & Chairman Dr. Pauline Hargrove, Superintendent Greg Perry, Assistant Superintendent Julia Dickerson, Director of Elementary Curriculum Stacey Brister, Director of Secondary Curriculum Dr. James Armstrong, Director of Special Programs Sherry Combs, Community Relations Coordinator Kayla Casey, Little Cypress Elementary School Principal Buffy Knight, Mauriceville Elementary School Principal Michael Ridout, Little Cypress Intermediate School Principal Ryan DuBose, Little Cypress Junior High School Principal Kim Cox, Mauriceville Middle School Principal Todd Loupe, Little Cypress Mauriceville High School Principal, Brenda Jones, Little Cypress Intermediate School Teacher, Kristy Brown, Little Cypress Mauriceville High School CATE Director Melanie Claybar, Little Cypress Mauriceville High School teacher, Elise Fountain, Mauriceville Middle School Teacher, Leigh Martin, Little Cypress Junior High Teacher, Teresa Hargrave, Little Cypress Elementary Teacher, Tania Jackson, Mauriceville Elementary School teacher. Laurie Gordon, Director of State and Federal Programs. Peggy Hale, Instructional Technology Specialist.

Executive Summary

Little Cypress Mauriceville C.I.S.D. is focused on meeting the demands of the 21st century by integrating solutions that enhance student learning and provide for efficiency in district operations. Our goal is to provide students and instructional staff with a technology-rich learning environment where students can increase their knowledge and be active participants in 21st century education. We believe technology is more than just hardware and applications. Technology can transform the District's culture by providing a way to explore possibilities and opportunities while developing a 21st century learner.

Little Cypress Mauriceville C.I.S.D. is located in the rural northeast corner of Orange County, Texas and encompasses approximately 102 square miles. According to 2014 census data, Orange County has a population of 84,260. 50.5% of the population is female. 87.8% percent of the population is white; 8.8% percent of the population is black, with a small number of residents of other races. 87.5% percent of the residents are over the age of 25 and have a high school diploma, 13.8% percent have a bachelor's degree or higher. The median household income is \$48,776.00. 14.4% of the population is below poverty level.

Little Cypress Mauriceville C.I.S.D. is accredited by Texas Education Agency. Serving a student population of 3313 students, the District strives to achieve equity and excellence for all students by providing a technology-rich learning environment which promotes: * Creativity and innovation * Communication and collaboration * Research and information fluency * Critical thinking, problem solving, and decision making * Digital citizenship * and technology operations and concepts.

There are currently seven campuses, Little Cypress Elementary, Mauriceville Elementary, Little Cypress Intermediate, Little Cypress Junior High, Mauriceville Middle School, Little Cypress Mauriceville High School, and Little Cypress Mauriceville Alternative School. The District faces the problem of students who do not have broadband Internet access at their homes as there is no provider for some of the Mauriceville area. Because of socio-economic

and cultural diversity, students have a wide range of computer skills and exposure to technology. Technology must be closely integrated with the District and Campus Improvement Plans, Long Range Facility Plan, and other District Strategic Plans. We will strive to provide technology-rich environments at each of the Little Cypress Mauriceville C.I.S.D. campuses.

A professional development model that promotes technology proficiency and enhances teaching through the use of technology and instructional resources is updated and evaluated regularly. Our model provides sustained staff development in the integration of technology into the curriculum for teachers, principals, administrators, and staff. We believe the consistent integration of technology will impact student learning. Campus Improvement Committees will continue to implement the Technology Application TEKS within their curriculum. The District will aggressively pursue local, state, and grant funding of the technology program to supplement the District budget.

The District will also provide the infrastructure and support necessary to ensure the reliable delivery of technology resources. We believe that all students and staff must: * be safe, responsible and ethical technology users * be challenged to accomplish personal and District goals * increase expectations to increase student performance * have an environment conducive for research and innovation * have a safe and secure learning environment * recognize change is necessary and inevitable to achieve educational excellence * support an environment of continuous improvement in technology * encourage the spirit of community participation.

Our mission is to graduate students who possess the essential knowledge and skills of technology so they will be responsible, successful contributors and competitors in a global community. Technology is a tool to enhance the delivery of curricula, increase teacher and student productivity and efficiency, promote creativity, and increase communication and access to information. Our vision is to continue to transform the use of technology from its current supplementary role to an integrated role that supports appropriate teaching strategies and makes instruction more relevant and engaging to students at all levels. The infusion of appropriate technologies into the instructional program will help ensure that students are prepared to be skillful and productive users of information in the future.

GOAL 1: Provide technology resources that extend the traditional boundaries of classroom instruction to enhance student academic achievement and teacher effectiveness.

GOAL 2: District educators will demonstrate technology proficiency to improve academic achievement. The District will ensure learning is collaborative, interactive, and customized throughout curriculum and instruction.

GOAL 3: Provide leadership and vision in planning, budgeting, professional development, and technology delivery to create an environment of innovation for the effective integration of technology and communication with staff, parents, and the community.

GOAL 4: Provide and maintain the infrastructure and technology support to enable the accomplishment of goals of the Board of Trustees and District/Campus plans and will investigate and deploy emerging technologies as appropriate.

Needs Assessment

Assessment Process:

Increasing student achievement is the number one priority of Little Cypress Mauriceville C.I.S.D. We are committed to providing technology resources which will facilitate the process of improvement in the learning environment of the 21st century. A comprehensive needs assessment utilizing previous technology plans, student surveys, teacher/principal input, focus group sessions, inventories, and technology resource utilization, was conducted to analyze the current status of technology in the District and determine future needs. A technology proficiency assessment will be administered to all instructional staff during the 2016-2017 school year. Based on the assessment results, professional development activities shall be designed to enhance knowledge and skills in areas where improvement was needed. An analysis of the efficiency and management of the current infrastructure was also done by the Director of Technology, Network Engineer, Systems Administrator and other Technology personnel. Items analyzed included: infrastructure, hardware, software, programs, courses, student achievement, technology resources, staff development, and technical support. Objectives and strategies were then determined based on identified priorities.

Existing Conditions:

Little Cypress Mauriceville C.I.S.D. interconnects seven campuses, one Administrative Building, one Maintenance Building, and one Special Programs Building to a centralized technology center located in the Technology Building. We maintain approximately 1800 computer/laptop systems on a four-year refresh cycle, and 150 tablet computing devices. The Technology Department consists of eight employees in the Centralized facility to provide support for District technology needs including the Help Desk, level 2 computer support, network, server, Special Programs, and

instructional technology support as well as six campus technicians to provide technology support for each of the campuses. District-Wide Findings * ASE connection to the Region 5 ESC with 100Mbps service to the Internet. * ASE circuits connect campuses with 1000Mbps service. * The District provides a high-speed converged network services to support instructional and operational activities. * A variety of devices and software are provided to enhance network security. * A VoIP telephone system provides basic and long distance telephone services to all campuses and administrative departments, with a unified communications system for voicemail. * Student safety efforts are enhanced by an IP based video surveillance system. * Virtual and centralized servers provide access to a variety of critical applications supporting instructional and operational activities. * A cloud-based employee email system is available. * A backup system located off-site is provided for business continuity and disaster recovery efforts. There is also a backup system on a separate campus within the District for geographic diversity and connectivity. * Filtered e-mail is provided for students in grades 3-12, and is hosted off-site. * The District web site is hosted off-site to allow continuous access to support business continuity and disaster recovery efforts. * A Bring Your Own Technology (BYOT) program is in place with a limited group of participants based on available technology resources. * Written policies are in place for student and staff acceptable use, Internet and Email. * All classrooms are connected to the District Intranet and the Internet. * Teachers have web sites which are updated regularly to enhance communication with students and parents. Representatives from each campus review teacher websites for updates on a regular basis. * Parents have 24/7 access to student information through Family Access, as well as access to online technology training resources. * Wireless (802.11g/n) access is provided District-wide. * Five distance learning/videoconferencing systems are provided for educational and professional development purposes. * An emergency communications and notification system is in place to enhance communications with students, staff, and administrators. * Online course delivery systems are available, and are used for student instruction and professional development activities. * There are 197 Smart Boards, 96 Interactive Projectors District wide. * There are 265 Projectors available in the District; most are permanently mounted, with limited number projectors available for check out. * There are webmasters for each campus to ensure content on individual campus websites is current. * There are eighteen mobile computer labs on various campuses within the District. * There are three iPad carts, one Samsung Galaxy Android cart, and one Dell Venue Windows-based cart used for instruction and tablet computing activities. * There are over 90 document cameras for use in the District. * An Instructional Technology Specialist and campus Technology Champions are provided for Technology Integration and classroom support. * District administrators have adopted technology and use it as a productivity tool in their presentations and as part of daily operational activities. Teaching and Learning The overall District-wide evaluations in the STaR chart indicate a Developing level of Teaching & Learning, and Educator Preparation and Development, as well as Leadership, Administration, and Instructional Support. Infrastructure for Technology indicates Advanced levels. We will focus our planning efforts on increasing each area to the advanced level where possible, based on available financial and personnel resources.

Technology Needs:

Instructional Needs: * Continue to emphasize 21st Century Learning Skills through increased use of technology tools and resources. * Increase technology training at campus levels in a variety of formats. * Increase professional development on current district technologies and classroom integration of technology resources. * Continue to develop online courses to provide anytime access to student, teacher, and staff training. * Increase the number of teachers who meet SBEC Standards. * Increase the number of teachers who meet the ISTE NETS-T Standards. * Provide curriculum and instructional materials which support continuous student improvement and utilize 21st Century Digital Learning Environments. * Increase the number of 2nd, 5th, and 8th grade students who are proficient on the end-of-year technology assessments. * Continue to provide just-in-time training opportunities for instructional and support staff. * Continue to provide storage and cloud-based technologies to ensure adequate resources for professional development and curriculum integration materials review. * Continue to support technology refresh programs to improve access to the district Digital Learning Environment. * Continue to provide resources for video delivery and storage for instructional purposes. * Continue to provide Inquiry Project-Based Learning opportunities in grades K-8 to support the teaching and learning of the Technology Applications TEKS. Individual teachers are responsible for the integration of the Technology TEKS into the core curriculum. * Continue online assessment of student and staff technology proficiencies. * Continue to support online technology resources for effective staff development. * Provide additional opportunities to enhance communication and collaboration through digital media and online formats. * Increase the number of walk-throughs conducted on the campuses in order to monitor technology integration efforts and student engagement. * Provide parents access to online technology training resources such as Learning.com, Atomic Learning, IT Academy, Moodle, etc. to increase parent involvement and community outreach. * Provide support to STEM Academy activities as personnel and financial resources are available. * Support student online registration to increase parent access and reduce the number of paper forms required by the District. Infrastructure Needs: * Traffic prioritization is necessary to ensure non-business critical traffic is managed to ensure reliable connectivity to the Internet 24x7. * Updated network equipment and servers (including virtual server environments) to facilitate the reliable delivery of services to the district. * Investigate other emerging technologies while assuring proper interoperability of all components with district resources. * Support network security initiatives in order to assure LCMCISD technical and security systems are intact so that students can access

technology in a safe environment. * Provide filtered, cloud-based email access to students grades 3-12. * Expansion of the Help Desk to include basic troubleshooting support. * Increased bandwidth for access to the Internet should be evaluated annually and increased as needed. * Expansion of the wireless network. * Support of network management processes to ensure service delivery. * Continue computer refresh program and evaluate extension of the technology lifecycle through virtualization technologies. * Support wireless network management processes to improve mobile access to the Internet and district network resources. * Support increased use of digital resources to supplement core curriculum. * Management of network printers is necessary. Larger networked laser printers are installed in office areas, workrooms, labs, and libraries. Work toward the goal of providing networked laser printers for campuses at a ratio of 1:5 (one per each five classrooms) Secure and reliable access to technology must be provided to all students, K through 12th grade. We should provide the technology necessary to support integration for all learning styles at each grade level. LCMCISD ratio of students to computers is currently 2:1. The State Long-Range Plan for Technology 2006-2020 recommendation is a 1:1 network ready personal computing device for students, teachers, and administrators. We will not be able to reach this goal without sustained funding. We must also deliver technology training for our students, teachers, staff, and administrators to ensure support for the administrative, operational, and instructional activities of the District. LCMCISD will expand access to online professional and staff development resources. Staffing for technical and instructional support must be provided as part of daily support objectives. The campus technology champions will serve as experts in the field of technology integration in an effort to build capacity for mentoring at all levels of every school. The Technology Champions will help to ensure campus technology use is aligned with the District Technology Plan and each Campus Improvement Plan based on the hardware, software, and instructional needs of the campus. Technology Champions are chosen by the summer of each four year assignment. Instructional Technology Specialists are also needed to provide teachers with instructional support to integrate technology into their curriculum.

Goals, Objectives, and Strategies

GOAL 1: Provide students and teachers with a technology rich environment that will improve academic achievement, support instructional accountability, and provide the necessary resources to prepare and empower students for digital-age literacy.

District Improvement Plan Goals supported by this objective:

OBJECTIVE 1.1: Create learning environments where teachers facilitate student learning by integrating technology with the use of a variety of technology tools, instructional strategies, and applications.

Budget Amount \$110,416.00

LRPT category: Teaching and Learning

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.1.1: Investigate, evaluate, pilot, and adopt emerging technologies as standards in the classroom. LEA LRPT Correlates: TL08	State: Original Status: In Progress	2016 - Ongoing	Administrative Team, Technology Committee, Teachers	Meeting Minutes, Help Desk System, Budget development, Use of technology in the classroom at all grade levels. Random sampling of teacher lesson plans.
1.1.2: Integrate the Technology applications TEKS into all curriculum areas for grades K-12 by providing applications and electronically delivered materials in instruction. Students in grades 2, 5, and 8 will complete benchmark tests as well as End-Of-	State: Original Status: In Progress	August to June yearly	Principals, Teachers, Curriculum Directors, Technology Director, Instructional Technology Specialist.	100% of performance descriptors are included in curriculum guides in a comprehensive scope and sequence.

	<p>Year testing to assess technology proficiency.</p> <p>Comments: Online assessments, review of teacher lesson plans, walk-throughs, and review of software utilization reports.</p> <p>LEA LRPT Correlates: LAS10, TL01, TL02, TL03, TL05, TL06, TL16</p>				
1.1.3:	<p>Enhance student learning by incorporating cloud and web-based resources where applicable in order to increase accessibility in the classroom or at home via the Internet.</p> <p>LEA LRPT Correlates: LAS10, TL01, TL02, TL03, TL05, TL06, TL10, TL16</p>	<p>State: Original</p> <p>Status: In Progress</p>	2016 - Ongoing	Curriculum Directors, Principals, Teachers	<p>Access to additional tools (blogs, sites, apps, etc.), Access to online course materials with training resources available, access to online technology training and integration materials. Blended instruction in staff development activities.</p>
1.1.4:	<p>Increase the use of Distance Learning and collaborative learning projects using technology to provide additional curriculum-based content and resources to students.</p> <p>LEA LRPT Correlates: LAS15, TL12</p>	<p>State: Original</p> <p>Status: In Progress</p>	2016 - Ongoing	Curriculum Directors, Principals, Teachers,	<p>Review of teacher lesson plans, review of distance learning logs.</p>
1.1.5:	<p>Focus teaching on higher level thinking skills and information access procedures to promote student-centered learning across geographic and cultural boundaries that include business and industry.</p> <p>Comments: Assessment of lesson plan objectives will assist in determining if strategy is being addressed.</p> <p>LEA LRPT Correlates: TL12, TL13</p>	<p>State: Original</p> <p>Status: Planned</p>	2016 - Ongoing	Curriculum Directors, Principals, Teachers	<p>80% of all teachers will include activities on a High level of Bloom's Taxonomy their lesson plan.</p>

District Improvement Plan Goals supported by this objective:

OBJECTIVE 1.2: Implement strategies to improve the academic achievement of all students by enabling teachers to integrate technology skills and standards into their classroom instruction.

Budget Amount \$191,526.99

LRPT category: Teaching and Learning

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
<p>1.2.1: Provide curriculum to ensure personal safety for students and Acceptable Use Policies that specify expectations and rules for students, parents, and teachers.</p> <p>LEA LRPT Correlates: TL14</p>	<p>State: Original</p> <p>Status: In Progress</p>	2016 - Ongoing	Curriculum Directors, Principals, Technology Director, Instructional Technology Specialist	Student assessment/observation. Instructional application aligns with technology resource selected.
<p>1.2.2: Provide instructional support for technology integration and model new instructional techniques aligned with Board Goals, Campus, District, and Technology Plans.</p> <p>LEA LRPT Correlates: EP03, EP04, EP05, LAS10, LAS12, TL06, TL07</p>	<p>State: Original</p> <p>Status: In Progress</p>	2016 - Ongoing	Assistant Superintendent, Curriculum Directors, Technology Director, Principals.	Employment records, meeting minutes, training documentation and attendance lists, documentation of training activities aligned to Goals and District plans. Evaluations and walk-throughs.
<p>1.2.3: Integration of technology in lessons and coursework that incorporates the use of Microsoft Office 365, distance learning, and district digital resources.</p> <p>LEA LRPT Correlates: EP06, LAS13, LAS15, TL06, TL07, TL08</p>	<p>State: Original</p> <p>Status: Planned</p>	2016 - Ongoing	Curriculum Directors, Principals, Teachers, Technology Director	Lesson plans, appraisal documents, distance learning logs, inclusion in District and Campus improvement plans.
<p>1.2.4: Support library research programs and utilization of the Internet to enable students to develop research skills and promote student-centered learning.</p> <p>LEA LRPT Correlates: TL01, TL06, TL08, TL10, TL11, TL12</p>	<p>State: Original</p> <p>Status: In Progress</p>	2016 - Ongoing	Curriculum Directors, Librarians, Teachers	Student utilization reports, student use of Internet for research, use of K-12 databases and District digital resources, Bring Your Own Technology pilot program.

District Improvement Plan Goals supported by this objective:

OBJECTIVE 1.3: Provide instructional and technical support for core and enrichment content areas and instructional initiatives to support student success and achievement using research-based decision making.

Budget Amount \$602,773.76
 LRPT category: Teaching and Learning

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
1.3.1: Ensure anytime/anywhere access to technology-based learning for all students by providing equipment, services and support. LEA LRPT Correlates: I01, I06, LAS15, TL08, TL09	State: Original Status: In Progress	2016 - Ongoing	Tech. Director, Principals, Instructional Technology Specialist	Resource availability, limited downtime, extended utilization of web-based instructional materials and online course delivery.
1.3.2: Support the use of technology to promote student-centered learning, work collaboratively to propose, assess, and implement solutions to real world problems that will prepare and empower them for the digital age. Incorporate the use of Microsoft Office 365 where applicable. LEA LRPT Correlates: TL12, TL13	State: Original Status: Planned	2016 - Ongoing	Curriculum Directors, Principals, Teachers	Use of library and Internet resources, assess lesson plans to determine if technology integration produces higher level skills and information access methods.
1.3.3: Utilize innovative strategies for the 24/7 delivery of specialized courses and instructional offerings. LEA LRPT Correlates: TL13	State: Original Status: In Progress	2016 - Ongoing	Curriculum Directors, Principals, Technology Director, Teachers	Moodle Learning Management System access records, Project Share Courses, Atomic Learning Courses, Distance Learning participation records, blogs, wikis, podcasting, digital portfolios, etc.
1.3.4: Provide online access to curriculum content which includes standards, instructional plans, formative and summative assessments, and resources. LEA LRPT Correlates: I09, TL16	State: Original Status: In Progress	2016 - Ongoing	Curriculum Directors, Principals, Technology Director	Curriculum content, Curriculum Management Systems and processes.
1.3.5: Collaborate with higher education entities and offer a dual credit program where students receive both high school	State: Original Status: Planned	2016 - Ongoing	Curriculum Directors, Principals, Teachers, Technology Director	Review of campus schedules, distance learning logs, lesson plans.

and college credit using technology solutions such as distance learning or online course materials.				
LEA LRPT Correlates: LAS07, LAS13, TL12, TL13				

District Improvement Plan Goals supported by this objective:

OBJECTIVE 1.4: All campuses will have the ability to positively impact parents and the community through District technology resources.

Budget Amount \$246,683.13

LRPT category: Teaching and Learning

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
1.4.1: Support teachers in developing and updating classroom websites and online resources to share. LEA LRPT Correlates: EP08, I08, LAS11, TL16	State: Original Status: In Progress	2016 - Ongoing	Principals, Webmasters, Technology Director, Instructional Technology Specialist	90% of classroom teachers have websites that are updated each six weeks; District web site is updated regularly.
1.4.2: Provide innovative programs that promote parental involvement, increased communication with parents and community members, and community access to educational resources. LEA LRPT Correlates: LAS07, LAS11, TL15	State: Original Status: In Progress	2016 - Ongoing	Webmaster, Principals, Technology Director, Instructional Technology Specialist, Assistant Superintendent	Parent portal for viewing student attendance & grades on-line, provide online technology training to parents.
1.4.3: Provide parents secure electronic access to student information and online registration. LEA LRPT Correlates: I08, LAS11	State: Original Status: In Progress	2016 - Ongoing	Assistant Superintendent, Public Relations Coordinator, Technology Director, Network Engineer, Senior Systems Administrator	Family Access parent participation, District Web Site utilization. Use of social media and Web 2.0 tools to enhance communications at the District level.
1.4.4: Provide parent access to technology training resources such as Learning.com, Atomic Learning, and Microsoft IT Academy. (for parents of LCMHS students) LEA LRPT Correlates: TL15	State: Original Status: Planned	2016 - Ongoing	Technology Director, Principals, Teachers, Curriculum Directors, Campus Technology Specialists.	Reports, attendance at face-to-face training sessions.

GOAL 2: Ensure that all employees demonstrate mastery of appropriate, and clearly defined technological skills and competencies required for successful job performance.

District Improvement Plan Goals supported by this objective:

OBJECTIVE 2.1: Provide professional development opportunities for District employees to ensure technology proficiency and a high level of competency.

Budget Amount \$64,317.31

LRPT category: Educator Preparation and Development

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
<p>2.1.1: Identify Technology Champions at each campus to develop learning experiences that incorporate digital tools and resources and promote student learning, creativity, and innovation through focused Professional Learning Communities and Professional Development.</p> <p>LEA LRPT Correlates: EP01, EP02, EP03, EP05, EP06, EP07, EP09</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2016 - Ongoing</p>	<p>Technology Director, Principals, Curriculum Directors, Instructional Technology Specialist</p>	<p>Online modules, lesson plans, Professional Learning Community, use of technology in the classroom, (walkthroughs, lesson plans)</p>
<p>2.1.2: The District will encourage instructional staff, librarians, administrative, and support staff to participate in professional development focused on the use of innovative technologies.</p> <p>LEA LRPT Correlates: EP01, EP02, EP03, EP04, EP05, EP06, EP07, EP08, EP09</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2016 - Ongoing</p>	<p>Administrative Team, Technology Director, Curriculum Directors, Administrators, Instructional Technology Specialist</p>	<p>Documentation of attendance at professional development activities or use of online resources.</p>
<p>2.1.3: Provide staff development opportunities to meet SBEC and District proficiency standards.</p> <p>LEA LRPT Correlates: EP01, EP03, EP04, EP06, EP07, TL08, TL11, TL12</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2016 - Ongoing</p>	<p>Technology Director, Principals, Instructional Technology Specialist, Curriculum Directors</p>	<p>Documentation of attendance in training sessions , reports of online training completion, ,STaR chart survey results</p>
<p>2.1.4: Provide an Instructional Technology Specialist to promote curriculum and teaching strategies that integrate technology in all subject areas.</p> <p>LEA LRPT Correlates: EP08, TL04</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>Ongoing</p>	<p>Technology Director, Administrative Team, Instructional Technology Specialist</p>	<p>Face-to-face and line courses, meetings, and informational seminars.</p>

GOAL 3: Provide leadership and vision in planning, budgeting, professional development, technology delivery, and support to create an environment of innovation and an organization based on data-driven decision making that meets the demands of the 21st Century.

District Improvement Plan Goals supported by this objective:

OBJECTIVE 3.1: Develop, implement, and monitor a dynamic technology plan that aligns resources to improve student learning and support school operations.

Budget Amount \$85,174.25

LRPT category: Leadership, Administration and Support

Strategies	State/Status:	Timeline:	Person(s) Responsible:	Evidence:
<p>3.1.1: Collaboratively develop and align each campus and district plan, ensuring all plans promote student achievement in accordance with NCLB and the federal e-Rate discount program in areas of eligible funding.</p> <p>LEA LRPT Correlates: LAS01, LAS02, LAS03, LAS04, LAS05, LAS06, LAS07, LAS08, LAS09, LAS13, LAS14, TL08</p>	<p>State: Original</p> <p>Status: Planned</p>	<p>2016 - Ongoing</p>	<p>Campus Improvement Committees, District Educational Improvement Committee, Technology Committee, Administrators</p>	<p>Campus Improvement and District Improvement Plan, Technology Plan</p>
<p>3.1.2: Technology planning committee will evaluate the Technology Plan.</p> <p>LEA LRPT Correlates: LAS01, LAS02, LAS03, LAS04, LAS05, LAS07</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>Annually in October</p>	<p>Planning committees (CIC, DEIC, Technology), Technology Director, Technology Planning Committee</p>	<p>Technology Plan approval.</p>
<p>3.1.3: Ensure a viable technology plan is written and approved for use in securing funding such as the federal E-rate program, and promotes achievement in accordance with NCLB, and State requirements.</p> <p>LEA LRPT Correlates: I02, I07, LAS01, LAS02, LAS04, LAS05, LAS06, LAS07, LAS08, LAS09, LAS12</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2016 - Ongoing</p>	<p>Technology Director, Technology Planning Committee, Assistant Superintendent, Curriculum Directors</p>	<p>Technology Plan approval, and Technology Budget Approval</p>
<p>3.1.4: Provide a Digital Learning Environment and data (assessment data, individualized student plans) for use in classroom planning to ensure student success.</p> <p>LEA LRPT Correlates: EP03, TL05, TL07</p>	<p>State: Original</p> <p>Status: In Progress</p>	<p>2016 - Ongoing</p>	<p>Principals, Curriculum Directors, Teachers</p>	<p>Software and Maintenance Fees for electronic tools to evaluate assessment data</p>

3.1.5:	Maintain, update, and test a business continuity plan to ensure that critical technology applications can be recovered in a timely manner. LEA LRPT Correlates: LAS08	State: Original Status: In Progress	2016 - Ongoing	Principals, Curriculum Director, Technology Director, Technology staff	Business continuity plan, successful restore of backup tapes
3.1.6:	Budget for, offer, and support expanded curriculum and instructional opportunities to students via online and other distance learning. LEA LRPT Correlates: LAS15, TL13	State: Original Status: In Progress	2016 - Ongoing	Central Office Administrators, Curriculum Directors, Technology Director, Principals	Distance Learning Documentation, Documentation of use of District Learning Management System (Moodle) and other online services providing online access to instructional support.
3.1.7:	Create a platform or forum for periodically introducing, sharing and requesting pertinent instructional technology innovations between the Technology Department and staff leading to their dissemination at the campus level. LEA LRPT Correlates: TL08	State: Original Status: In Progress	Ongoing	Central Office Administrators, Technology Director, Principals, Technology Planning Committee	Online Sharing System using District resources or approved Web 2.0 tools to enhance communication

GOAL 4: Provide and maintain an infrastructure and support system that meets the required and expanding technological needs of the district and its stakeholders.

District Improvement Plan Goals supported by this objective:

OBJECTIVE 4.1: Provide systems that maximize efficient use of technology and infrastructure by all students, faculty, and staff to support instructional, administrative, and operational applications which comply with current state of the art industry standards and best practices through emerging technologies.

Budget Amount \$709,763.31

LRPT category: Infrastructure for Technology

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.1.1: Monitor the performance, reliability and utilization of internal and external network bandwidth and adjust as needed. LEA LRPT Correlates: I04, I05, I06, I08, I09, LAS04	State: Original Status: In Progress	2016 - Ongoing	Technology Director, Network Engineer, Assistant Superintendent	Bandwidth utilization reports, Network utilization reports, technology funding
4.1.2: Enable secure wireless coverage across all facilities as required.	State: Original	2016 - Ongoing	Network Engineer, Technology Director	Network maps, utilization reports, installation and maintenance reports.

	LEA LRPT Correlates: I01, I05, I06	Status: In Progress			
4.1.3:	Continued network security programs to protect information technology resources. LEA LRPT Correlates: I01, I09	State: Original Status: In Progress	2016 - Ongoing	Technology Director, Network Engineer, Senior System Administrator, Technology Department	Equipment and network configuration reports, Acceptable Use Policies, staff training, password reset policies, virus and malware protection services, backup of critical data.
4.1.4:	Monitor the performance, reliability and utilization of VoIP telephone system(s), and voice mail systems capacity and adjust as needed. LEA LRPT Correlates: I01, I02, LAS04	State: Original Status: In Progress	2016 - Ongoing	Director of Technology, Network Engineer, Senior Systems Administrator	Telephone VoIP Upgrade, Telephone Line Counts Report, Technology Funding
4.1.5:	Continue standardization of server resources including virtualization strategies to ensure compatibility of applications to support curriculum integration efforts and operational activities. LEA LRPT Correlates: I01, I05	State: Original Status: In Progress	2016 - Ongoing	Director of Technology, Network Engineer, Senior Systems Administrator	Update and management of virtualized servers and high-capacity storage solutions for critical District resources for student and staff use.
4.1.6:	Provide continuing education and/or training for technical staff. LEA LRPT Correlates: EP03, EP04, I01, I05	State: Original Status: Completed	Ongoing	Administration, Technology Director, Technology Department Staff	Documentation of training received, capability and knowledge of Technology Staff. Results of Assessment for Technology Proficiency of Technology Department Staff.
4.1.7:	Maintain and develop web-based services with Intranet and Internet components to improve communications with staff, students, parents, and the community. LEA LRPT Correlates: I01, I08, I09, TL13, TL16	State: Original Status: In Progress	2016 - Ongoing	Technology Director, Webmaster, Senior Systems Administrator, Instructional Technology Specialist	District Web site, access to online web applications and information provided by the District.
4.1.8:	Provide specialized technologies such as video streaming, interactive boards and projectors, video conferencing systems, and video portals as appropriate.	State: Original Status: In Progress	2016 - Ongoing	Technology Director, Senior Systems Administrator, Network Engineer, Instructional Technology Specialist	Use of technology devices at all campuses and District administrative offices.

	LEA LRPT Correlates: I01, I02, I03, I05, I06, I09, TL06, TL09, TL10				
4.1.9:	Manage network resources by using larger networked printers in office areas, workrooms, labs, and libraries. The goal is one networked printer for each five classrooms. LEA LRPT Correlates: I01, I05	State: Original Status: In Progress	2016 - Ongoing	Technology Director, Senior Systems Administrator, Network Engineer, District and Campus Technicians, Principals	Technology Inventory, Help Desk reports, Budget Reports.

District Improvement Plan Goals supported by this objective:

OBJECTIVE 4.2: The District will provide adequate backup/recovery and disaster recovery capabilities and procedures.

Budget Amount \$41,550.00

LRPT category: Infrastructure for Technology

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.2.1: Update Disaster Recovery and Business Continuity Plans as needed. Investigate emerging technologies to support Business Continuity Efforts. LEA LRPT Correlates: LAS07, LAS14	State: Original Status: In Progress	2016 - Ongoing	Technology Director, Network Engineer, Senior System Administrator, Technology Department Personnel	Updated plans, project documentation, use of web based applications hosted off-site.
4.2.2: Investigate addition of enterprise data backup with integration of a high-capacity storage solution. LEA LRPT Correlates: LAS07, LAS14	State: Original Status: Planned	2016 - Ongoing	Technology Director, Senior Systems Administrator, Network Engineer	Research, plans, reports of successful data backup and retention of critical data.

District Improvement Plan Goals supported by this objective:

OBJECTIVE 4.3: Maintain equipment obsolescence procedures for maintenance and update of computers, network, and other technology related equipment and infrastructure.

Budget Amount \$882,015.91

LRPT category: Infrastructure for Technology

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.3.1: Support cost-effective solutions for increasing the server infrastructure to support users and applications at the	State: Original Status: In Progress	2016 - Ongoing	Technology Director, Technology Department Personnel, Administrative Team	Utilization reports, network management reports, service request history, Invoices and budgetary reports.

	appropriate level of security, access, and redundancy LEA LRPT Correlates: I01, I04, I05, I06, I07				
4.3.2:	Ensure budget allocations are sufficient to sustain the District's goal of being technologically advanced. LEA LRPT Correlates: I01, I02, I04, I05, I06, I07	State: Original Status: Planned	2016 - Ongoing	Technology Director, Asst. Super, School Board	Budget documents
4.3.3:	Technology and Budget Planning will strive to improve the District's current ratio of computers to students to the target of a 1:1 ratio for students and instructional staff. LEA LRPT Correlates: I04, I07	State: Original Status: Planned	2016 - Ongoing	Technology Director, Assistant Superintendent	Documentation of number of computers available to students and staff.
4.3.4:	Assure that each classroom has updated technology resources to support Digital Learning Environments. LEA LRPT Correlates: I01, I05, I09	State: Original Status: Planned	2016 - Ongoing	Technology Director, Curriculum Directors, Principals, Special Program Director, Department Heads	Inventory Reports, data utilization reports and walk-throughs to determine classroom technology integration.

District Improvement Plan Goals supported by this objective:

OBJECTIVE 4.4: Provide adequate technical support for district adopted technologies to meet the instructional needs of students.

Budget Amount \$994,529.00

LRPT category: Leadership, Administration and Support

<i>Strategies</i>	<i>State/Status:</i>	<i>Timeline:</i>	<i>Person(s) Responsible:</i>	<i>Evidence:</i>
4.4.1: Employ personnel required to maintain and operate District technology resources. LEA LRPT Correlates: I01, I05, I07	State: Original Status: In Progress	2016 - Ongoing	Technology Director, Administrative Team	Personnel reports, Help Desk system reports, technology utilization reports, budget documents.
4.4.2: Establish Research and Development programs for the evaluation of emerging technologies. LEA LRPT Correlates: I02	State: Original Status: Planned	2016 - Ongoing	Technology Director, Technology Department, Administrative Team.	Evaluation records of pilot programs and new technologies.
4.4.3: Provide a response system that promotes a high quality of service by leveraging	State: Original	2016 - Ongoing	Technology Director, Technology	Report of service offerings, satisfaction surveys, support metrics

	technology and personnel with a help desk, appropriate number of system administrators, and technicians. LEA LRPT Correlates: I01, I09, LAS01, LAS10, LAS15	Status: Planned		Personnel, Administrative Team	reports, and online support activities.
4.4.4:	Maintain the District technology inventory through the use of electronic databases. Implement technology purchasing procedures at the District level. LEA LRPT Correlates: I01, I09	State: Original Status: In Progress	2016 - Ongoing	Technology Director, Technology Department Personnel, Administrative team	Electronic reports of Help Desk ticketing and inventory system utilization. Budget reports, Campus and District technology purchasing reports.
4.4.5:	Provide technical support for all end users at the District and campus levels. LEA LRPT Correlates: I01, I05, I07, LAS15	State: Original Status: In Progress	2016 - Ongoing	Technology Director, Assistant Superintendent	Employment records, documentation of campus support activities.
4.4.6:	Encourage attendance to technology conventions, seminars, webinars, etc. for Technology Staff, Administrators, Staff, and Instructors. LEA LRPT Correlates: EP01, EP06, EP07, LAS01, LAS10, TL08, TL10, TL12	State: Original Status: Planned	2016 - Ongoing	Technology Director, Administrators	Documentation of attendance.

Budget

Budget year 2016		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$93,917.00	100% Technology
Telecommunications & Internet Access	\$39,525.00	100% Technology
Materials & Supplies	\$13,180.00	100% Technology
Equipment	\$421,431.00	100% Technology
Maintenance	\$668,180.00	100% Technology
Miscellaneous Expenses	\$10,000.00	100% Technology
Total	\$1,246,233.00	

Budget year 2017		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$98,612.85	100% Technology
Telecommunications & Internet Access	\$41,501.25	100% Technology
Materials & Supplies	\$13,839.00	100% Technology
Equipment	\$442,502.60	100% Technology
Maintenance	\$701,589.00	100% Technology
Miscellaneous Expenses	\$10,500.00	100% Technology
Total	\$1,308,544.70	

Budget year 2018		
Budget item	Cost	Funding Sources with amount per source
Staff Development	\$103,543.50	100% Technology
Telecommunications & Internet Access	\$43,576.31	100% Technology
Materials & Supplies	\$14,530.95	100% Technology
Equipment	\$464,627.70	100% Technology
Maintenance	\$736,668.50	100% Technology
Miscellaneous Expenses	\$11,025.00	100% Technology
Total	\$1,373,971.96	

Evaluation

Evaluation Process:

Evaluation strategies to ensure effective development of the technology plan. The LCM Technology Plan will be aligned with the State of Texas Long Range Plan for Technology. The plan will be reviewed annually by the Technology Director and District Improvement Committee to evaluate progress of the District in meeting the plan goals and objectives. The technology plan will be updated as needed to add new requirements and remove completed objectives. The District requires the District Plan and all Campus Improvements Plans to include technology components. The Technology Department is responsible for working with the different organizations during this process not only to develop plans, but to review and evaluate goals. The status of technology projects are communicated through regularly scheduled meetings including Board of Trustee meetings, Administrative Team meetings, and the Technology Committee meetings. Evaluation strategies will be set up for acquisition and installation of technologies and telecommunications services, including project management methodologies and purchasing standards. Each Campus Improvement Committee (CIC) will evaluate the Technology Plan to determine if the acquisition and installation of technology infrastructure and equipment meet campus needs. LCMCISD will pursue all available technology funding (i.e. grants and E-rate). Technology Department personnel will monitor technology resources through reporting and configuration management. The goals, objectives and the strategies are designed to insure that the Technology plan goals are achieved and the performance indicators to be used for evaluation are developed. Annual update of the "State of Technology Resources" will be presented to the Administrative Team.

Evaluation Method:

Evaluation strategies are designed to ensure effective technology staff development efforts and technology integration into the curriculum. We believe a primary factor for success of technology within the organization is alignment with the District's goals and objectives. LCM uses a technology staff development model which provides multiple levels of proficiency. Incentives are provided to participants at the higher levels as budget is available. All participants keep logs that reflect the time spent at home using the computer, the time they use technology in the

classroom on administrative applications, and the time they use technology for classroom integration activities for the purposes of training and professional development. Participants attend staff development activities that include learning theories and technology integration strategies. Administrators receive technology training throughout the year. This provides them with the skills required to perform their job duties as well as experience in evaluating technology in the classroom. The Technology Department will provide reports extracted from electronic systems as needed, for evaluation purposes.

Appendix

Attachment item A:

Student Responsible Use Policy

- PDF file:  <http://www.lcmcisd.org/docs/saup.pdf>

Attachment item B:

Internet Safety Plan

- PDF file:  http://s3.amazonaws.com/scschoolfiles/487/lcmcisd_internet_safety_plan.pdf

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