



Lammersville Joint Unified School District

**Technology Sustainability Plan
for 21st Century Schools and Classrooms**

2017-2021

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SECTION 1: INTRODUCTION

1.1 Description of School District

Lammersville Joint Unified School District is located in the far western, unincorporated rural portion of San Joaquin County. Originally founded in 1876, it consists of five K-8 elementary and one high school. Lammersville Unified has approximately 211 teachers and 4,900 students. There has been a substantial amount of residential development in the District in recent years; with correspondingly substantial increases in enrollment. Much of the District's historical enrollment hails from farms, dairies, or small ranches, with the remainder in a suburban/rural setting in single family homes. The quality of the District's Educational Program has also attracted a moderate number of inter-district transfer students. Enrollment is demographically diverse, with over 29 languages spoken by district students. Approximately 15% of the students receive financial assistance for school breakfasts and lunches. About 10% are designated as English Learners.

1.2 Mission Statement

The mission of the Lammersville Unified School District is to prepare students to become responsible decision makers who, as lifelong learners, are college and career ready and are productive contributors of their local and global community.

1.3 Our Beliefs

The Lammersville Joint Unified School District, in partnership with parents, families, students, and community believes:

- We believe that every human being is important and has value.
- We believe that the freedom and rights enjoyed in society require that individuals take responsibility for their actions.
- We believe that the family is the critical element in an individual's development.
- We believe that reaching one's potential requires great effort.
- We believe that expectations profoundly influence our own performance and the performance of others.
- We believe that every person is responsible for making the community a better place.
- We believe that honesty and integrity are essential to building trusting relationships.
- We believe that people learn best in a safe, healthy environment.
- We believe that meaningful accomplishment enhances the motivation essential for continued success.

1.4 Stakeholders

The stakeholders of this plan represent key individuals within the District including district administrators, school administrators, Information Technology staff members, and outside technology partners. Ongoing monitoring and reflection by different members of the team will play a critical role in its revision on an annual basis. They will be instrumental in making this plan a reality, by contributing their expertise, support, training, or participation to the successful outcomes in the classrooms and support structures within the District.

LUSD Technology Stakeholder

Alvina Keyser, Chief Business Official

Heather Sherburn, Assistant Superintendent of Assessment, Instruction, and Technology

Shawn Yohannan, Informational Technology (IT) Program Manager

(5) Coordinators of Instruction and Technology Integration

LUSD Tech Policy Committee

LUSD District Technology Policy Committee

In December of 2016, the LUSD Technology Policy Committee was established to study and make recommendations for Board Policies, Administration Regulations, website filtering and acceptable website usage, classroom technology equipment standards, technology instructional standards, and other District-wide technology related considerations. The membership of this committee consists of:

- Site Tech Mentor from each site
- K-8 Site Administrator representation
- 9-12 Site Administrator representation
- Assistant Superintendent of Instruction, Assessment and Technology Integration
- Instructional Coordinators
- IT Program Manager
- SJCOE IT Director or designee
- AMS representation (Network Contractor)

1.5 Plan Description

This plan is consistent with the District Board Policy BP 0440 and includes improvements to the infrastructure for future technology use and the policies supporting appropriate technology usage. It also includes existing inventory, phasing out older equipment, intent to create standard unification, and staffing recommendations, professional learning, expected student outcomes for technological learning and instructional materials.

1.6 Plan Duration

This plan shall address a 3-year time period at a minimum and be updated annually for enrollment, needs assessment, cost revisions, and to determine the effectiveness in improving student academic achievement and College and Career Readiness for 21st Century Schools and Classrooms. Recommendations will be submitted to the Lammersville Unified School District (LUSD) Board of Trustees for review and consideration.

SECTION 2: TECHNOLOGY AND CURRICULUM

2.1 Current and District Policies

A. User Agreements

- a. [Student Use Agreement](#) – LUSD is part of the DPJPA with San Joaquin County Office of Education. LUSD uses the SJCOE User Agreement. Students shall use the district's devices and system safely, responsibly, and primarily for educational purposes in accordance with BP/AR 6163.4, the student conduct code, and the user agreement.
- b. [Technology User Acknowledgement Form](#) (LUSD Chromebook Handbook, pg 18) – Parents and Students to acknowledge they have read the various requirements and expectations for the use of Chromebooks, the network, email, policies, responsibilities, expectations, and other technology within LUSD.
- c. [Employee Acceptable Use Agreement](#) – (BP 4040) LUSD recognizes that technology enhances an employee's ability to perform his/her responsibilities and supports the expectation for employees to use appropriate technology tools by providing training where needed. Teachers, administrators, and/or library media specialists shall monitor student use of technology and prescreen technological resources and online sites that will

be used for instructional purposes to ensure that they are appropriate for the intended purpose and the age of the students. (AR 6163.4)

B. District/school/teacher websites (BP/AR 1113) or social media platforms (BP/AR 1114)

Web sites are an essential tool of communication and information for the district. The district, school sites, and teachers, will adhere to copyright laws, laws for student privacy, Americans for Disabilities Act (ADA) compliance, and maintain accuracy of information for any web site.

a. District and school

Web sites shall provide current information regarding district/school programs, activities, and operations. Such information shall be appropriate for both internal and external audiences and may include district mission and goals, district or school news, agendas and minutes of Governing Board meetings, School Accountability Report Cards, school calendars, and links to educational resources.

b. Teacher

In accordance with related board policies and administrative regulations, teachers may have school related web sites / social media, with approval of the Superintendent or site principal, to provide information pertaining to class assignments, expectations, and activities. The content and language posted needs to be monitored by the teacher for appropriateness.

c. Publishing student work or photos

Student work may be published on district or school web sites provided that both the student and his/her parent/guardian provide written permission, or the work is part of an existing publication such as a school newspaper.

C. Application and website vetting for student use

LUSD is committed to ensuring that student data privacy is protected as required by State and Federal laws (COPPA, CIPA, FERPA, PPRA, CA Ed Codes, AB 1584, AB 1442, etc).

a. To ensure that LUSD is compliant with applicable laws and regulations, we restrict access on the student network.

i. Student Network: All students using a LUSD provided device will be assigned to the student network through their user profile.

ii. Staff Network: Staff will have user profile assignment to the staff network and be provided more access with different filtering levels.

iii. Guest Network: The guest network is accessible for cell phones, BYOD and guests to our district. It is provisioned with restrictive filtering aligned to the student level network.

b. Process: Should a staff member believe that a website or application should be allowed on the network for staff or student access, the process hyper-linked here has been developed to allow staff to request the site be allowed. The staff member submitting the request will be required to do the preliminary research necessary to assure appropriateness and compliance with state and federal laws and regulations.

c. Website/App request form: The staff member requesting for a website or app to be allowed on the network will need to complete the hyperlinked form here. All requested information MUST be completed prior to submission of the form in order for it to be reviewed. Once completed, designated staff, trained in the data privacy laws and requirements, from the LUSD Technology Policy Committee will review the request and make a recommendation to the Assistant Superintendent overseeing technology. The Assistant Superintendent will review the recommendation and if recommending approval of the request, forward it to the Superintendent for final approval.

D. Student Privacy Compliance:

LUSD recognizes the complexity and responsibility of protecting the privacy of student data in accordance with state and federal laws. LUSD will adopt and revise policies and procedures that protect student data. The Data Privacy Guidebook developed through a partnership of California County Superintendents Educational Services Association (CCSESA), California Educational Technology Professionals Association (CETPA) and the eMatters team at Fagen Friedman & Fulfroost, served as a reference for LUSD.

- a. [Children’s Online Privacy Protection Act \(COPPA\)](#)
- b. [Children’s Internet Protection Act \(CIPA\)](#)
- c. [Family Educational Rights and Privacy Act \(FERPA\)](#)
- d. [Protection of Pupil Rights Amendment \(PPRA\)](#)
- e. [AB 1584 – Ed Code 49073.1 – Data Privacy Requirements for Contracts with Technology Providers](#)
- f. [AB 1442 – Ed Code 49073.6 – Collection of Student Information from Social Media](#)
- g. [SB 1177 – Student Online Personal Information Protection Act \(SOPIPA\)](#)
- h. Email retention policy

E. Data Security

- a. Data Breach Protocol

F. Device Management

Devices are inventoried within the Destiny asset tracking system upon initial receipt. The barcode tracking is used for assigning devices to school sites or students depending upon the device and situation. When devices reach end of life, are damaged beyond repair, or lost, the record is updated within Destiny to assure accurate inventory records. Warranty information is also recorded for devices within Destiny.

G. Technology Hardware/Software purchasing

All technology related purchases need to be done in coordination with the LUSD Technology IT Program Manager for integration, servicing, pricing, compliance with regulations, inventory, and maintenance. This includes the obvious technology items such as student and staff devices, phones, printers, and tablets. It also includes items that require technology support and integration such as security cameras, digital locks, sound systems, speakers, microphones, projectors, etc. Software programs, curriculum with digital components, and web apps also need to be purchased in coordination with the IT Manager. This list is a guide and not to be considered mutually exclusive.

- a. Request form

2.2 Annual Goals and Implementation Plan

A. Teaching and Learning

- i. Blended Learning – LUSD believes in the use of Blended Learning instruction to support differentiation, engagement, and personalization that allows some student control over learning. The district encourages the use of tech enhancement of lessons as well as Blended Learning instruction. Professional development and coaching are provided to support teachers in this endeavor.
 - a. Goal: 20-30 teachers will participate in a cohort for the Blended Learning Academy each year until all teachers are trained. This is an entry level course

- b. Goal: Develop an Advanced Blended Learning Academy utilizing intensive coaching to maximize quality implementation for users who have completed basic training on Blended Learning.
 - ii. Personalized Learning – Computer software and digital curriculum that allow for personalized learning is an important component of instruction that will allow teachers to plan for whole class and small group instruction that maximizes intentional teacher/student instruction.
 - a. Goal: Provide supplemental support programs to enhance differentiated learning as appropriate through tools such as:
 - i. iRead to support K-2 early literacy skills
 - ii. Gooru, MobyMax, and Khan Academy support for math
 - iii. Edgenuity as an alternative education curriculum and supplemental support for instruction in all high school classes
 - iv. Moby Max and Learning A-Z for extra practice, reteach or acceleration

B. Online programs and software

LUSD recognizes that in a 21st Century Learning environment the use of digital curriculum and tools by staff and students is an essential component for preparing students to be College and Career Ready. The high school is a fully digital high school utilizing Chromebooks, 1:1, as the primary vehicle for student access to content. The Learning Commons at the high school is designed to serve as a learning resource center with digital resources for research and reading as the foundation. At the K-8 sites, a combination of digital and print curriculum is used in classrooms. Libraries and computer labs are being transformed to create MakerSpaces.

- i. Goal: Utilize digital curriculum for core curriculum with print materials as a secondary support as appropriate.
- ii. Goal: Provide supplemental curriculum and software to support tech enhanced teaching, personalized and blended learning instruction, and student use of technology to demonstrate learning.
- iii. Goal: Provide Career Tech Education as a pathway to College and Career Readiness, 6-12, utilizing digital tools and curriculum such as Project Lead the Way (PLTW) and Naviance.
- iv. Goal: Provide Alternative Education Pathways which give students flexibility in credit recovery and options for course completion to fit personal preferences, schedules, and learning styles. Edgenuity is the primary curriculum.

C. Instructional Strategies and Lesson Design

- i. Goal: 21st Century Learning to promote collaboration, critical thinking, creativity, citizenship, and communication should be at the heart of lesson design in LUSD.
- ii. Goal: Tech tools should be used in lessons to engage students, promote collaboration, provide feedback, and monitor learning. Tools such as PearDeck, Google Classroom, Canvas, Kahoot, and GoFormative are some examples of using technology in this way.

D. Students Acquiring Skills Grade Level Scope and Sequence

- i. Goal: Students within each grade span will use technology for the following purposes and goals in mind.
 - 1. TK-2: Using Technology to Learn Basic Core Content
 - 2. 3-5: Learning to Use Technology Tools to Demonstrate Learning
 - 3. 6-12: Using Technology to Communicate, Innovate, and Research: Becoming College and Career Ready

E. Digital Citizenship

Staff will be responsible stewards in the use of technology by completing digital citizenship certification to acknowledge the responsibilities around student data privacy, restricting student

access to appropriate content, responsibility to adhere to applicable technology laws, and cybersecurity.

Goals:

- i. Each site will obtain Digital Safe Schools Certification through Common Sense Media by June 2019.
- ii. Staff will complete the Keenan Cyber Security and FERPA confidentiality of records training annually
- iii. Teachers and Administrators: In addition to the Keenan trainings, teachers and administrators will be informed about their responsibilities regarding website and app usage including creation of websites that students or parents access.
- iv. Students: K-12 students will complete digital citizenship training for their grade level annually. At a minimum, each grade will complete the corresponding unit in their grade range. (ex: 6-8 range = 6th unit 1, 7th unit 2, 8th unit 3)

SECTION 3: PROFESSIONAL DEVELOPMENT

3.1 IT Staff PD

To sustain a 21st Century ready district, it is essential that our IT staff continue to learn and maintain the most up to date industry knowledge. LUSD is committed to providing the following professional learning opportunities and has an expectation that IT staff participate as appropriate to develop their job skills.

- A. CBT Nuggets – online certifications
- B. Tech 4 Tech - quarterly
- C. Kyte Learning – online product specific training
- D. Tech Conferences: CETPA, AERIES, CUE

3.2 Teachers and Administrators

Professional learning around the effective and responsible use of technology is an on-going endeavor. Technology changes constantly in terms of curriculum, analytics, tools for presentations, tools for monitoring student learning, and tools for student production. A thoughtful, systematic multi-year plan is essential to creating and maintaining a 21st century learning system for students. The following vehicles for supporting professional learning are priorities for LUSD

- A. Blended Learning Academies
- B. Site Tech Mentors – one per site – to provide on demand assistance and site needs-based pd
- C. Product Specific PD – pd sessions on specific new products and tools as appropriate such as iRead
- D. Kyte Learning – online technology courses that staff can access on demand based on needs and interest – personalized learning for staff
- E. Coordinator workshops and coaching – training on tools such as GoFormative or PearDeck, demonstration lessons, and individual coaching by request on the use of technology in the classroom
- F. Digital Citizenship – Keenan and Common Sense media training

3.3 Support Staff

LUSD values the role that technology plays in supporting staff in their daily work efficacy. The training of new and existing staff on the technology they are expected to use is essential.

- A. Kyte Learning – online product specific training such as MS Office Suite and Google Suite
- B. Business, HR, Food Services, Asset Management and other product software training as needed

SECTION 4: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, SOFTWARE AND ASSET MANAGEMENT

4.1 Technology Tools for Students

A. Student-to-Device Chromebook Ratio:

Grades K-1 3:1 Grades 2-12 1:1 LCAP Goal is K-12 1:1 by 2020-21

Each student grades 3-12 has a Chromebook. Lammersville Unified School District is rapidly growing and the projections will be adjusted accordingly each quarter. Chromebook estimated cost of \$300 includes tax, shipping, white glove service, and a chrome management license. This does not take into consideration students who bring their own device.

GOAL: Beginning 2018-19 school year, transition K-1 Chromebooks to touch screen. Chromebooks removed from K-1 classrooms will be moved to 2nd-8th grade classrooms over 2 years until 1:1 is reached in 2020-2021 school year.

B. Chromebooks Replacement and Refurbish Plan

- i. Refresh Cycle (Every 5 years. beginning 2017/18)- Average Refresh Cost @ \$300 per device with approximately 800 Chromebooks per year = \$240,000 per year budget
- ii. Repair/Replacement- Budget an estimated 5% or \$60,000 repair/replace cost to repair/replace damaged Chromebooks not covered by warranty or insurance. Allow for these funds to be carried over from year to year, but adjust allocation based on actual expense. Parents currently have the option to purchase District Insurance coverage.

Chromebook 1:1 Maintenance Budget

Chromebook Maintenance	2017/18	2018/19	2019/20	2020/21
Repair @ 5%	\$60,000	\$60,000	\$60,000	\$60,000
Replace EOL @800 devices per year	\$240,000	\$240,000	\$240,000	\$240,000
Total costs	\$300,000	\$300,000	\$300,000	\$300,000
Funding Source				

4.2 Technology Tools for Classrooms

A. Standard Technology Tools in LUSD Classrooms include but not limited to:

- i. Teacher Surface replaced at a 4-year cycle (estimated cost annually is \$120,000)
- ii. 70"-80" Flat panel TVs (commercial grade: 5-year warranty, lifespan expected 10 years) depending on cost advantage as technology improves
- iii. Chromebook Carts/Charging stands in K-8 classrooms (lifespan 15 years)
- iv. iPads in K-5 classrooms for PLTW Launch Program – expansion over 3 years as funds allow to achieve 5 classroom sets (2:1) per campus. \$37,000 per year plus \$9,000 for carts
- v. Laptops and Android Tablets in 6-8 classrooms for PLTW Gateway Program to be funded from multiple sources to include lottery, grants, and one-time money (lifespan expectancy of 5 years – for standardization of middle school electives)

with PLTW to feed the CTE high school pathways, additional devices will be required at each site.)

- vi. Laptops, Desktops, and Android Tablets in 9-12 classrooms for PLTW and other Career Pathway Programs to be funded from multiple sources to include lottery, grants and one-time money (lifespan expectancy of 5 years – replace in 2019-2020 year, cost to be determined depending on courses and technology changes)

B. Goal for Renewing and Replacing the Technology:

- i. Teacher Surface replaced at a 4-year cycle (estimated cost annually is \$120,000)
- ii. Goal for Renewing and Replacing Technology for Admin and Support Staff: 4 to 5 year refresh rate. LCFF funds to be set aside at \$20,000 annually.

Classroom Technology Standard Replacement Budget

Classroom Technology Standard	2017/18	2018/19	2019/20	2020/21
Teacher Surface (4 yr refresh cycle)	0	0	(10) \$25,000	(30) \$75,000
70"-80" Flat Panel TV (10-15 yr refresh)	0	0	0	0
FSR panel (unknown refresh)	0	0	0	0
Funding Source	n/a	n/a		
Total Costs			\$20,000	\$60,000
PLTW/CTE	2017/18	2018/19	2019/20	2020/21
iPads				Beyond 2021
Laptops (6-8)		Replacement year		
Android Tablets (6-8)				Beyond 2021
Laptop Labs (9-12)				2022
Android Tablets (9-12)				Beyond 2021
Desktop Computer Lab (9-12)				2022
T-shirt printer for CTE (9-12)				EOL Unknown
Large format printer (9-12)				EOL Unknown
Engineering lab (9-12)				2022
Digital Arts lab (9-12)				2022
Computer Science lab (9-12)				2022
Laser cutter(9-12)				EOL unknown
Plasma cutter (9-12)				EOL unknown

Measure L will be used to upgrade classroom technology infrastructure. Classroom equipment upgrades at the K-8 sites to be funded from Lottery, grant, one time or other funding sources.

Initial Install Budget for Classroom Technology Standard

The LUSD District Technology Policy Committee reviewed and recommended classroom technology equipment standards to bring all K-8 classrooms up to 21st Century Instruction.

School Site	# of Teachers	Upgrade Year	TV, Novo Pro, Digital control panel, input jacks, sound, wiring and installation	Upgrade TV and NovoPro at 10 years	Cost estimate to replace \$3000 Future funding from grants and/or LCFF funds
Lammersville	10	July 2017	Measure L \$94,000, other 5,500	July 2027	\$30,000
Wicklund	45	July 2017	Measure L \$267,000, other \$17,500	July 2027	\$135,000
Bethany	45	Summer 2018	Measure L \$267,000, other \$17,500	July 2028	\$135,000
Questa	45	Summer 2018	Measure L \$267,000, other \$17,500	July 2028	\$135,000
Altamont	48	Summer 2019	Measure L \$289,500, other \$19,000	July 2029	\$144,000
Hansen	45	N/A	N/A	July 2029	\$135,000
TOTAL			\$1,261,500		

4.3 Technology Tools for Sites

A. General

- i. Computers: Administrators, Coordinators, and Support: 4-5 year refresh rate. Estimated cost \$2000 per device. LCFF funds to be set aside at \$20,000 annually
- ii. Printers/copy machines (MFD) – leased at a standard of one MFD per building, office and workroom. There are a few small printers at sites as needed. An RFP is used to determine the vendor on a 3-year cycle.
- iii. Cell phones: Admin, Maintenance, IT – Cell phones are provided as determined by need and approved by the Superintendent’s Designee.

B. Schools: beyond the classroom

- i. Goal: Maker Spaces – One per K-8 site – cost TBD
 - a. 3-D Printer
 - b. Projector
 - c. Interactive Touch Panel Table
 - d. Green Screen broadcasting
 - e. 4 to 6 laptop research stations
- ii. Computer Labs @ MHHS
 - a. Creative/Digital Arts CTE labs in Learning Commons – Windows desktops (32) in lab 1 and Mac desktops (32) in lab 2 – purchased end of 2017 – refresh in 2022-23
 - b. Laptop labs – Windows-based mobile laptops for use by any class – purchased in 2014-15 – refresh in 2019-20
 - c. Engineering CTE lab – Windows-based Microsoft Studio desktop (37) – purchased end of 2017 – refresh in 2022-23
- iii. Library/Learning Commons

- a. Desktop Windows-based computer for the Library Media Teacher and librarian clerks
- b. Laser Projector
- c. Destiny hand-held scanner - \$500, life expectancy 5-10 years
- iv. Multi-use Rooms
 - a. Laser Projector – life expectancy 5 years (est. cost \$10,000)
 - b. FSR – refresh rate unknown (est. cost \$800)
 - c. NovoPro – refresh rate unknown (est. cost \$500)
 - d. AV system (microphones, speakers, amplifier, mixing board) – refresh rate 10 or more years
 - e. Motorized screen
- v. Office
 - a. Raptor scanner
 - b. Destiny hand-held scanner - \$500, life expectancy 5-10 years
 - c. Bell system – Est. cost \$30,000, life expectancy 15+ years
- vi. Outdoor learning areas –
 - a. Outdoor WAP @ \$1000 each, life expectancy of 5 years
 - i. MHHS (5 WAPs) currently
 - ii. K-8 sites – consider 4 to 5 per site for quad areas – (0 WAPs) currently

C. District Office

- i. Board Room – 2 projectors, AV equipment (streaming equipment, audio equip, board trustee PCs, microphones, 4 cameras, speakers), laptop, document camera, NovoPro, 2 motorized screens, AV Switching
- ii. Conference Room – TV, Novopro, AV Switching, Conference phone
- iii. Future Professional Development Center - ??

D. Food Services

- i. Cash registers – Windows-based POS devices, Est. cost \$800, K-8 sites one device, MHHS three devices – life expectancy 5 years
- ii. Pin Pad – Est. cost \$200 – life expectancy 5 years
- iii. Chromebooks – 1 per kitchen – life expectancy 5 years

E. Maintenance

- i. Cellular iPads – 5 year life expectancy, \$500 each plus cellular service

F. Human Resources

- i. Display monitor for recruitment fairs
- ii. Laptop for recruitment fairs
- iii. 3 laptops for applications at recruitment fairs

4.4 Infrastructure

A. Network Infrastructure -

E-Rate is applied for and utilized in Category 2 for a 50% discount when available.

When provided by the state, one-time funding sources may be used to assist with technology needs.

Network- Access Points Inventory: life expectancy 5 years
 District Office 4 Access Points
 Lammersville 26 Access Points
 Wicklund 47 Access Points

Bethany	48 Access Points
Questa	45 Access Points
Altamont	52 Access Points
Mountain House	123 Access Points
Hansen Elementary	TBD Access Points
Cordes	TBD Access Points

Infrastructure Budget Projections

Infrastructure Replacement	2017-18		2018-19		2019-2020		2020-21	
Servers ((\$5-\$30K, 7 years))	AES		AES		AES		AES	
	BES		BES		BES		BES	
	LES		LES		LES		LES	
	MHHS (1)		MHHS		MHHS	X	MHHS	
	QES		QES		QES		QES	
	WES (4)		WES		WES	X	WES	
	District (1)		District		District	X	District	
Voice Gateway - District (Replaced in 15-16) (Life Expectancy 5 years)	AES		AES		AES		AES	
	BES		BES		BES		BES	
	LES		LES		LES		LES	
	MHHS		MHHS		MHHS		MHHS	
	QES		QES		QES		QES	
	WES		WES		WES		WES	X
	District		District		District		District	
Routers (2 at each of 4 sites = 8 in the 17-18 school year)	AES	1	AES		AES		AES	
	BES	1	BES		BES		BES	
	LES	1	LES		LES		LES	
	MHHS	1	MHHS		MHHS		MHHS	
	QES	1	QES		QES		QES	
	WES	1	WES		WES		WES	
	District	1	District		District		District	
Firewall (17-18 WES replaced) (\$100K est. cost)	AES		AES		AES		AES	
	BES		BES		BES		BES	
	LES		LES		LES		LES	
	MHHS		MHHS		MHHS		MHHS	
	QES		QES		QES		QES	
	WES	X	WES		WES		WES	
	District		District		District		District	
UPS (5 year life expectancy)	AES		AES	7	AES		AES	
	BES	9	BES		BES		BES	
	LES		LES		LES		LES	
	MHHS		MHHS	9	MHHS		MHHS	
	QES	6	QES		QES		QES	
	WES	24	WES		WES		WES	
	District		District		District		District	1
WAPs (est. cost \$800 ea)	AES (52)		AES		AES		AES	
	BES (48)		BES		BES		BES	X
	LES (26)		LES		LES		LES	X

	MHHS (123)		MHHS		MHHS		MHHS	
	QES (45)		QES		QES		QES	X
	WES (47)		WES		WES		WES	X
	District (4)		District		District		District	X
Internet - District (Upgrade from 1GB to 10 GB into SJCOE in 17-18)								
Total Costs								

B. Security

- i. Cameras: Cameras to be installed for increased security to meet the criteria below by 2020. Funding to come from Measure L.
 - Altamont: 50 cameras
 - Bethany: 40 cameras
 - Lammersville: 28 cameras
 - Mountain House High: 4 cameras
 - Questa: 44 cameras
 - Wicklund: 48 cameras
 - District Office: 10 cameras
 - Hansen: 0 cameras
 - Cordes: 0 cameras

COST SUMMARY CHART:

2016 – 2017	
Design/Architect Costs:	\$48,500.00
2017 – 2018	
Camera installation at AES, BES, LES, MHHS, QES, WES and District Office (5 year warranty and service included)	
Total Cost:	\$785,000

- ii. Alarms System: Service fees to Bay Alarm annually \$80,000
- iii. Electronic Locks: MHHS, District Office and Hansen have electronic locks. Replacement costs for locks are currently \$800 per lock.

4.5 Software

- A. Operational Programs: Specific software may change based on needs over time and is not an all-inclusive list
 - i. Accounting software such as Escape
 - ii. Staff attendance software such as AESOP
 - iii. Personnel Management software such as Appleby
 - iv. Property/equipment control software such as Destiny
 - v. Work Order system for Technology and Facilities
 - vi. Windows Licensing

- vii. Security software such as Raptor
- viii. Student Information and Management Systems, such as AERIES, SEIS, SST Online, etc.
- ix. Website software such as School Messenger
- x. Parent communication software such as Edulink
- xi. ASB Management software such as BluBear
- xii. POS software such as eTriton
- xiii. One-time purchase software such as key cards (S2) and camera systems (ExacqVision)

B. Instructional Technology Programs: This need may change based on the curriculum and instructional needs of the students

- i. Tech Enhanced Assessment Tools such as Illuminate and NWEA - Measures of Academic Progress (MAP) - Assessment system given twice per year
- ii. Student technology management systems and web filtering for classrooms such as GoGuardian
- iii. Data Integration tools such as Brightbytes
- iv. Learning Management Systems such as Canvas
- v. College and Career Readiness Solution through programs like Naviance
- vi. Instructional Program Software such as Project Lead the Way, GPS, Edgenuity, Accelerated Reader, Moby Max, HMH, iRead, Benchmark, Que Chevre, Learning A-Z, etc.
- vii. Automated Rostering Tools such as Clever and Google SSO

4.6 Staffing: To be paid from LCFF funds

One Informational Technology II (IT Tech II) position per 1000 devices, plus one Program Manager until an IT Director is feasible with increased growth in District. Based on the staffing study and recommendation by San Joaquin County Office of Education, below is the staffing plan for the LUSD Informational Technology Department:

Staffing/Positions	2017-18	2018-19	2019-20	2020-21
IT Tech II	5.0	Staff based one position per 1000 devices	Staff based one position per 1000 devices	Staff based one position per 1000 devices
Program Manager	1.0	1.0	1.0	1.0
Network Lead	.2 FTE	Staff Based on need	Staff Based on need	Staff Based on need
CalPADS Tech	1.0	1.0	1.0	1.0

SECTION 5: MONITORING AND EVALUATION

To be developed in 2018-2019.

SECTION 6: Budget

Comprehensive budget attached.

Appendix A

Lammersville Unified School District
Technology Sustainability Plan for 21st Century Schools and Classrooms Review System
Contact Information

County & District Code: 39 - 76760

School Code (Direct-funded charters only): _____

LEA Name: Lammersville Joint Unified

*Salutation: Dr.

*First Name: Kirk

*Last Name: Nicholas

*Job Title: Superintendent

*Address: 111 De Anza Blvd.

*City: Mountain House

*Zip Code: 95391

*Telephone: (209) 836-7400

Fax: (209) 836-7402

*E-mail: knicholas@sjcoe.net

Please provide backup contact information.

1st Backup Name: Heather Sherburn, Assistant Superintendent

E-mail: hsherburn@sjcoe.net