

**Jamestown Elementary School District  
Technology Plan  
July 1, 2022 - June 30, 2025**

## **Summary**

Jamestown School District (JSD) has developed a technology plan that represents the District's vision and recommendations, based on the current technology status and desired outcomes for instructional technology. Through LCAP feedback and input from all educational partners, this technology plan has been developed to align with LCAP priorities, goals and objectives. The technology plan helps to define and direct the allocation of funding for identified technology needs. It is important to note that this plan is flexible, as unexpected needs may arise within the district which may call for revisions. The technology plan components addressed are infrastructure, technology access, equipment and inventory, curriculum and instruction, technology replacement and budget guidelines to support the integration of technology in both teaching and learning in order to increase student achievement and success.

## **Infrastructure**

**Network Equipment** - The JSD technology infrastructure includes the network, servers, services, Internet access, and end-user devices. In general, network equipment is part of the technology infrastructure. As such, wireless access points, network switches, and routers are the responsibility of JSD to update and maintain. As enrollment increases, there is an increase in devices and demand on the network. JSD is conscious of these demands and actively works with state and local funding sources to keep network equipment current with state-of-the-art versions designed to help ensure network capacity is always ahead of network demand. JSD works closely with Tuolumne County Superintendent of Schools (TCSOS) to support our Internet service, Wi-Fi Network, and Voice over IP (VoIP) technology.

**Existing Internet Access**- Currently, JSD has a 10Gbps Internet service with TCSOS with the district wide area network (WAN) in a hub and spoke configuration, both school sites

share this Internet access through the WAN. Both sites are wired and have a 10 Gbps fiber connection to TCSOS. The Wi-Fi Network for JSD wireless access points are Ruckus R710-based. JSD has 1 virtualized Dell Server using VMWare, with one additional server for the cafeteria program.

Existing Telephone System- JSD's telephone system is based on Voice over IP (VoIP) technology from TCSOS. The phone system consists of the Call Manager (CM) and sub-systems which handles call connections and voice messaging/call handling respectively.

We have Universal Power Supplies (UPS) installed in both Chinese Camp and JES to provide Power backup for our ethernet switches during power outages. This allows our VoIP to operate during these outages. Additionally, we have UPS installed in the District Office and School Office which allows the administrative computers to remain operational.

## **Technology Access and Equipment**

Teacher Access to Technology- All teachers at JSD have access to a district owned laptop computer, either a Mac Book Air or Mac Book Pro. These machines all have Microsoft Office and a Google Chrome browser, as all teachers have a G Suite account. Teachers may also choose to use their personally owned equipment, such as tablets or phones, on the district network utilizing the 'guest' wireless network. District policy encourages teachers to take their district issued computers home for educational use and instructional preparation as well as in professional learning sessions. The district has a technology replacement plan to ensure that all teachers have laptops under five years old. All teachers and staff have access to Power School as our SIS for attendance and grading. Techdesk is utilized as the district work order database for both technology and facilities.

Equipment--All teaching classrooms have either LCD projectors with document cameras, Smartboards, or large screen LED TVs with Apple TV. There are 12 LCD projectors and document cameras in place that are serviceable and some that are identified within the replacement plan. JSD has 16 Chromebook carts that house 380 student Chromebooks to provide for 1:1 student to device for all students in grades 1-8. Kindergarten students have access to iPads to use in instructional center rotation. Special Education classrooms

have both Chromebooks and iPads to use as developmentally and academically appropriate.

## **Teacher/Student Electronic Inventory-**

HP Chromebooks: Total= 380 *One cart for each classroom Grades 1-8*

40 Purchased in 2014 Replace 2019 (Surplused)  
80 Purchased in 2015 Replace 2020 (Surplused)  
40 Purchased 2016 Replace 2021 (Surplused)  
70 Purchased June 2018 Replace 2022 (Replace with 2021 Lenovo and purchase 25 additional 2022)  
60 Purchased August 2018 Replace 2022 (Replace with 2021 Lenovo)  
55 Purchased March 2019 Replace 2023  
65 Purchased July 2019 Replace 2023  
150 Purchased -----2021 150 Lenovo from Office Depot  
50 Purchased -----2021 50 HP from CDWG

MacBook Air Laptops

12 Purchased 2018 Replace 2023  
5 Purchased 2021 Replace 2026  
5 Purchased 2022 Replace 2027

MacBook Pro

12 Purchased 2013 Did not replace as too outdated. Moved to MacBook Air Laptops

Window Dell District Office

2 Purchased 2018 Replace 2023  
1 Purchased 2018 Replace 2023  
2 HP Laptops 2021 Replace 2026/2027

iPads

15 Purchased 2013 Replace 2020  
5 Purchased 2018 Replace 2023  
20 Purchased 2021 Replace 2025

iMacs

Reading Intervention Program (Read 180)

5 Purchased 2021 Replace 2026

Library/Testing

1 purchased in 2021 Replace 2026

School Office

2 purchased in 2021 Replace 2026

Apple TV with LED TV

3 Purchased 2017  
3 Purchased 2017

Apple TV with Smartboard

2 Purchased 2017 TBD Replace with upgraded technology as needed

LED projectors with Doc Cameras

12 purchased -Some are 10 years old/ Move to upgraded technology

Smartboards with Short-throw Projector /Apple TV

4 Purchased used 2018

3 Purchased for 2020

6 Purchased in 2021

5 Purchase in 2022

HP LaserJet printers

26 Majority purchased 2014 Replace as needed

3 purchased in 2021 Replace as needed

Xerox color printer

1 Purchased 2018

2 Purchased in 2019 Replace as needed

## **Technology to Support Student Learning**

All JSD teachers are encouraged to integrate technology into teaching and learning in interesting and engaging ways. All teachers have access to both email and G Suite. Students all have G Suite accounts, and all but primary students have email accounts. JSD has a current Internet Safety Policy, and both Internet acceptable use agreements and Google Apps permission forms are distributed to all staff, students, and parents/guardians for review and signed consent at Arena Registration or upon new enrollment.

Many teachers use technology to communicate regularly with students and parents/guardians such as classroom websites, newsletters or blogs; communication apps such as Remind or Class Dojo, and interactive platforms such as Google Classroom.

The district's SIS, PowerSchool, is used to record assignments and grades (for students in 6-8<sup>th</sup> grade), attendance and electronic score reports for student summative assessments that can be accessed by parents/guardians through the PowerSchool Parent Portal. A link is provided on the district website and usernames and passwords are provided at Arena Registration or with new enrollment.

The District website has been updated and is kept current by a website manager and funded as a teacher stipend.

The current District adopted English language arts and math curricula have a web-based component as well as the newly adopted 6-8 grade social studies curriculum. Science curriculum is currently in a piloting stage and does have an online component along with the supplemental digital program, Mystery Science. A variety of other online digital programs for academic instruction, intervention, and social emotional learning along with grade level benchmark assessments are used such as: Accelerated Reader, Calico Spanish, ESGI Assessment, Estrellita (Spanish instruction), HERO, Fast ForWord, Get More Math, Math Seeds, NearPod, Read 180, Reading Eggs, Rockalingua, STAR Reading and Math, Study Island, and TransMath.

The district uses Follett Destiny Server for library, textbook and technology inventory.

JSD complies with all federal and state laws and local policies for archiving electronic communications produced by its staff and students. The district informs staff and students that any information distributed over the district network may be a public record.

## **Professional Development and Training**

JSD understands that sustained professional development is a priority for the success of students and teachers alike. It must be highly effective, integrated, and differentiated to meet the various needs of teachers and students. JSD supports the use of a variety of technology tools within the classroom and encourage professional development that increases technology knowledge and resources to improve student learning.

JSD has currently established a stipend position for a teacher who provides technology support to the district. Additionally, the district contracts with TCSOS to provide additional technology infrastructure support.

## **Technology Replacement Plan**

Student Use Computers- All 1-8<sup>th</sup> grade students use Chromebooks and the current plan is to replace Chromebooks on a four-year cycle and analysis shall be done on an annual basis to maintain a useful inventory of Chromebooks to maintain a 1:1 student to device ratio.

iPads- iPads purchased for the kindergarten classroom were purchased with a five-year replacement cycle.

Peripheral instructional technology hardware - Peripheral devices such as projectors, document cameras, printers, Smartboards, LED TVs with Apple TV shall be replaced as needed to maintain effective instructional technology.

## **Technology Committee**

Knowing that technology needs are fluid, a technology survey will be administered annually to teaching staff and designated support staff to solicit feedback for technology usage, needs, and input regarding any necessary revisions to the plan.

A Parent/Guardian survey will be administered at the beginning of the three year plan to determine how many working computers or devices they own, do they have high speed internet access, level of technology proficiency, interest in technology training classes for parents, interest in student digital literacy topics, do they place time limits on child technology use and approximately how much time is spent using technology, and what is the preferred way to receive information from school.

A technology committee will be developed to gather feedback, and to review and revise the plan as needed. The committee will be made up of a representative from each grade span (e.g. K-2, 3-5, 6-8, one special education teacher, the Principal and IT Specialist. The committee will meet at least two times a year and will report to the Governing Board annually.

This committee will be used to gather input from all educational partners, in order to understand the current state of technology within the district, and to maintain and support a district technology vision to advance technology in both instruction and student learning. The committee will create recommendations or revisions that align with the district vision and LCAP goals and objectives.

Upcoming goals for the 2022-2023 school year are to develop a school-wide Digital Citizenship Plan and Cyberbullying Awareness and Response Plan for students with a link on the JSD website that is accessible by parents/guardians.

## **Budget**

Jamestown School District receives funding through a variety of federal, state, and local resources. Included in these sources of funding are supplemental and concentration LCFF funds, E-Rate discounts, and lottery funding. Technology needs and planned replacements will be considered when gathering information for LCAP revisions and completing the LCAP Budget and Crosswalk. When these funding sources fluctuate in a downward fashion, technology funding may fluctuate as well. The Budget will be reviewed and revised annually as needed based upon LCAP stakeholder input.

In the current LCAP Crosswalk, the estimated expenditures are as follows:

Goal 1101 Academic Instructional Support: Software Licenses/Digital Online Resources  
\$20,000

Goal 1102 Technology Specialist Teacher Stipend \$16,107

Goal 1102 Student Technology Supplies and Equipment \$18,500

Goal 2.3 1102 Staff Technology Equipment and Supplies \$18,500

Additional Technology Funding:

E-rate funding for CAT 2 for Network Infrastructure Upgrades:

District Share at 15% \$12,517

Professional Development (a share of the total Title II funds):

Use of Title II Funds to Support Effective Instruction \$18,218

TCSOS Technology Support:

Technology Services @ 40 hours \$2,052 annually