Jamestown Elementary School District
Technology Plan
July 1, 2025 - June 30, 2028

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 1Gbps Internet service with TCSOS, with the district wide area network (WAN) in a hub and spoke configuration where both school sites share this Internet access through the WAN. Both sites are internally wired with Fiber and Ethernet (Cat5 or better), and have a 1 Gbps fiber connection to TCSOS. The Wi-Fi Network for JSD wireless access points are Meraki MR42's, with a refresh planned for July 2025. JSD has 1 virtualized Dell Server using Microsoft Hyper-V providing address assignment and resolution, with one additional virtual 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 PowerSchool 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 6 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*

150 Lenovo purchased 2021 replace 100 in 2025, 50 in 2026

30 HP purchased 2021 replace 2026

25 HP purchased 2022 replace 2026

51 HP purchased 2023 replace 2027

95 HP purchased 2024 replace 2028

MacBook Air Laptops

       5 Purchased 2021 Replace 2025

       5 Purchased 2022 Replace 2026

       5 Purchased 2023 Replace 2027

       6 Purchased 2024 Replace 2028

Window Dell District Office

       2 Purchased 2018 Replaced 2023

       1 Purchased 2018 Replaced 2023

       2 HP Laptops 2021 Replace 2026

Window Dell Café

       1 HP Laptop and Dual Monitors Purchased 2025 Replace 2031

iPads

       20 Purchased 2021 Replace 2025 TK/K Classrooms
       10 purchased 2024 replace 2029 SPED

iMacs
Reading Intervention Program
       5 Purchased 2021 Replace 2026

Library/Testing
       1 purchased in 2021 Replace 2026

School Office

2 purchased in 2021 Replace 2026
(1 replaced 2024 replace 2030)

Dual External Monitors Purchased 2024

<u>AG Neovo Smartboard</u>

4 Purchased 2022 monitor longevity and replace as needed

3 Purchased 2023 monitor longevity and replace as needed

5 Purchased 2024 monitor longevity and replace as needed

Purchase 2 2025 monitor longevity and replace as needed

Purchase 2 2026 monitor longevity and replace as needed

<u>Doc Cameras</u>

3 purchased 2023 replace as needed, minimally 1 annually

<u>HP Laserjet Printers</u>

Purchase 30 in 2025 replace as needed

1 purchased 2024 replace as needed

<u>Xerox Color Printer</u>

1 purchased 2024 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 our annual on-line 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 6-8th 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 through online registration or with new enrollment. The District website has been updated and is kept current by a website manager and funded as a stipend supported through LCAP.

The current District adopted English language arts and math curricula have a web-based component (e.g. Think Central, Saavas), the adopted 6-8 grade social studies curriculum and Studies Weekly for Tk-5, and the TK-5 science curriculum Amplify which does have an online component along with the supplemental digital program, Mystery Science, and 6-8 grade STEMScopes. 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, ESGI Assessment, Estrellita (Spanish instruction), Fast ForWord, Get More Math, Math Seeds, Reading Eggs, STAR Reading and Math, IXL, Math Score, GoGuardian, Rockalingua, Frogstreet, Teachtown, DIBELS, Typing.com, Open Up Math, Study Island, and Music Play Online. 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 encourages 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 1-8th 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 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.

Jamestown School District Board Approval May 14, 2025