



**Los Gatos-Saratoga
Union High School District
Technology Plan
2025-2030**

Los Gatos-Saratoga Union High School District
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The Los Gatos-Saratoga Union High School District Technology Plan is meant to be a functional document which will help support implementation of our Strategic Plan, Local Control and Accountability Plan (LCAP), School Plan for Student Achievement (SPSA) and other district goals. This dynamic plan is effective from July 1, 2025 - June 30, 2030. The plan will be amended when the needs of the district or the direction of educational technology change and will serve as a guide for the work the technology department does to support evolving district goals.

PLAN CONTEXT & DEVELOPMENT

District Background

The Los Gatos-Saratoga Union High School District (LGSUHSD) is made up of two comprehensive high schools and a Middle College program that is jointly administered with Campbell Union High School District and West Valley College. The LGSUHSD community is made up largely of middle- and upper-class professional families who live in the bedroom towns of Los Gatos and Saratoga and work in Silicon Valley. A small contingent of District residents live in the more economically diverse unincorporated areas of Santa Clara and Santa Cruz counties in the Santa Cruz Mountains.

The 137-year-old Los Gatos High School (LGHS) serves approximately 1950 students and offers an exceptionally wide variety of academic, visual and performing arts, CTE, extracurricular, and athletic programs. The 65-year-old Saratoga High School (SHS) serves approximately 1150 students and offers a full academic program with marquee elective programs in media arts, engineering, and music.

The West Valley Middle College program serves approximately 25 LGSUHSD students, who remain enrolled in their home high school. The District's most significant challenge is declining enrollment, which has reduced the size of SHS by 20 percent over the last decade and is projected to do the same to LGHS over the next decade. Attempts to preserve the programs and character of shrinking schools has strained District resources and, at times, forced the District to make difficult decisions. Additionally, the District and an array of community partners have worked to mitigate the educational and social-emotional effects of the pandemic by significantly increasing wellness services for students. Those programs, along with significantly climbing costs of providing special education services, have placed unprecedented financial pressure on the District.

Community Input

Our Technology Advisory Committee (TAC) was integral in the development of this plan. Their participation and honest feedback regarding our present technology needs and future vision helped shape the district's technology goals for the next five years. The TAC is composed of board members, parents and community members, district and school site administrators, students, district teachers, classified staff, and technology team members.

The advisory committee highlighted the following aspects of our district technology:

- Our district knows the importance of technology in the classroom and how rapidly it changes
- We have a strong technology department but providing timely support and updated devices is a struggle
- We need to be proactive versus reactive when replacing devices and infrastructure
- Technology will become more mobile and more individualized as we move forward

We would like to thank the members of the 2024-2025 LGSUHSD Technology Advisory Committee for their participation, insights and input as we developed this plan.

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Misty Davies, Board member

Julie Grenier, Director of Technology

Patrick Bernhardt, Director, Continuous Improvement & Accountability

Greg Louie, SHS Principal

Shelley Sullivan, LGHS Parent/Wildcat Foundation

Vik Ghai, Los Gatos HS Parent

Derek Moore, Saratoga HS Parent

Rajesh Venkatasubramanian, Saratoga HS Parent

Eric Cao, Community Member

Peter Hertan, Community Member

Craig Russell, Community Member

Larry Jens, Classified Staff, Senior Computer Specialist

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Isabella Burlinson, Los Gatos HS Student

Estelle Paduano, Los Gatos HS Student

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Thomas Wang, Saratoga HS Teacher

Raquel Kirby, Classified staff, Library Tech

Darrell Miller, Community Member/Saratoga HS Foundation

INSTRUCTIONAL USE OF TECHNOLOGY

Technology is used in every classroom throughout the district across the year, and the Curriculum & Instruction Department and the Technology Department partner to support all of its varied uses. In order to meet the evolving needs of students and teachers, the district has identified six general areas for growth over the next five years and will seek to take the following actions in each area.

Educational Technology

- Review and revise the district's single standard for classroom hardware (i.e., presentation equipment) and move toward universal implementation.
- Create a centralized system for tracking and managing digital textbook licenses, including renewals, usage monitoring (i.e., matching seats with need), and Canvas integration.
- Create a centralized system for managing district-provided support software, including license management, usage monitoring, Google integration, and data privacy.
- Review and revise district cell phone policy and infrastructure to implement AB 3216.

Artificial Intelligence

- Draft and adopt a district AI policy.
- Educate staff, students, and parents about the uses (positive and negative) of AI.
- Provide guidance for teachers on how to assess student learning in a world with accessible AI.

Digital Citizenship and Media Literacy

- Implement California's media literacy curriculum per AB 873.
- Create community in a way that extends to online interactions.
- Detect online harassment, and teach students how to prevent it to safeguard digital spaces
- Teach students how to use instructional tools such as Canvas and Google.

Wellness

- Create, model, and uphold expectations of reasonable availability for staff and students.
- Figure out how to mitigate the erosion of boundaries between school and home, as well as the boundaries between the real and the virtual.

Professional Development for Staff

- Create and deploy training on the district standard hardware/software package and support software.
- Teach teachers how to use software, particularly the built-in features of what we already own and use (i.e., Canvas), to make curricula and educational materials more accessible (to support Universal Design for Learning and Multi-Tiered System of Support).

Staffing to Support Classroom Teachers

- Increase staff capacity and expertise in C&I and/or Tech to support educational technology and digital citizenship, as well as provide professional development (beyond basic help desk issues).

NON INSTRUCTIONAL USES OF TECHNOLOGY

The district is committed to using technology to drive improvements across governance, administration, support services, and communication.

Advanced data analytics tools, such as Canvas Analytics, will be utilized to evaluate district-wide performance and inform decision-making. These insights align with our strategic plan goals.

Routine administrative tasks in Human Resources, business operations, and other departments will also be analyzed with the goal of streamlining processes and reducing redundancies in software subscriptions. By integrating more robust systems, the district ensures greater efficiency, accuracy of data and cross-departmental collaboration.

The district prioritizes improving accessibility for and communication with parents, students, and staff. We have redesigned district and school websites to ensure timely updates and current information for our community. We have also implemented new systems which allow for greater access to guidance, school nutrition, and technology information. resources, and tracking service requests. Additional enhancements to platforms like ParentSquare and campus public announcements will ensure timely and effective engagement with families, students and staff.

Current and future investments in technology will also reinforce the district's commitment to the safety and security of students and staff while on our campuses. Our infrastructure was designed with additional capacity to support additional public announcement speakers, security cameras, environmental monitors and other safety equipment.

The cost to implement the initiatives in this technology plan will be taken from the existing technology department budget and other budget areas as identified, dependent on the initiative.

TECHNOLOGY INFRASTRUCTURE

Our technology team is dedicated to delivering comprehensive support and resources to ensure a positive technology experience for our students, staff, and broader community. We provide daily onsite technical assistance to address the immediate needs of both students and staff, ensuring that their technological tools function efficiently. Our team remotely monitors the network and offers remote support after hours to ensure that critical issues are resolved promptly. In addition to technical assistance, we prioritize professional development by offering training sessions for students and staff as well as engaging with parents and the community through outreach opportunities.

Our technology infrastructure is designed to meet the growing needs of our educational community. We support online curriculum and testing initiatives, offer students tech support for

our Bring Your Own Device (BYOD) program while providing content-filtered internet access for all students on campus.

The foundation of our infrastructure includes robust networking capabilities with a maximum throughput of 10 Gbps, supported by Cisco core routers and switches that were refreshed in 2024. Our Internet Service Provider (ISP) is the Santa Clara County Office of Education, which also provides content filtering to ensure a secure online environment. WiFi coverage spans all instructional areas and key outdoor spaces, and the infrastructure integrates hosted VoIP, Google Meet, and a unified bell/public announcement system. Additionally, redundant data storage ensures data reliability and security.

Security is a top priority in our infrastructure. We adhere to industry-standard frameworks such as NIST, CIS, and the MITRE Attack Matrix to maintain a strong cybersecurity posture. Endpoint Detection and Response (EDR) solutions are deployed on all district-owned devices, and Multi-Factor Authentication (MFA) is implemented for all staff. Regular cybersecurity training, including phishing tests, is provided to keep staff informed about emerging threats and best practices.

Our systems support approximately 4,300 district-owned devices, in addition to personal devices used by students and staff. The "Teacher Toolbox" includes essential tools such as presentation systems, AV systems, document cameras, and laptops, with 90% of teachers equipped with the full setup. Projector systems are managed alongside other devices through Mobile Device Management (MDM) and inventory tracking systems.

Student labs offer a mix of Mac and Windows desktop systems, while mobile carts feature a variety of devices, including MacBooks, Windows laptops, iPads, and Chromebooks. Chromebooks are also available for student checkout, ensuring accessibility for all learners.

A wide range of software licensing is available to students and staff for curricular use. This includes Google Workspace for Education, the Canvas Learning Management System, Adobe Creative Cloud, and tools like Turnitin, NoRedInk, Securly, and Noodletools. Additionally, our library databases, online textbooks from major publishers, and specialized software for courses such as music and engineering enrich the educational experience. Platforms like Naviance further support career and academic planning.

This comprehensive infrastructure reflects our commitment to providing secure, reliable, and versatile technological support that empowers teaching, learning, and collaboration across our district.

Los Gatos High School and Saratoga High School are BYOD (Bring Your Own Device) environments, which were implemented to support students in the use of current technology skills and to promote access. With BYOD, every student has full time access to the same laptop or Chromebook for use both at school and at home. Students can choose to bring a personal laptop or Chromebook from home that meets district minimum requirements or they can check out a Chromebook from the district. The District will continue to support this initiative by

providing printing capabilities, charging stations, WiFi support and other technology assistance to students.

Students are expected to bring their charged device to school daily for instructional purposes. This device will be used regularly in many classes to access Canvas, our Learning Management System, Google Workspace for Education and a variety of other learning tools and digital materials.

As a district, we want to ensure that we prepare students to be successful in the digital age by providing them with the tools, skills and knowledge necessary to prepare them for success in college and beyond. We believe the BYOD program will help us continue to meet this goal.

To facilitate curricular goals, the technology department will collaborate with administration and staff to evaluate existing classroom presentation systems. These systems were installed between two and seven years ago. The district should set a new classroom presentation system standard which includes screencasting, and begin systematically upgrading classrooms and common presentation areas.

District network infrastructure will need upgrades to continue to support students and staff on campus. Future capital projects include: upgrading wireless access points to the WiFi 7 standard and replacing campus network cabling to prevent Layer 1 failures. The District will also continue to extend the reach of our network infrastructure further out to the edges of our campuses in order to better support future security and safety initiatives. As the end of this technology plan's timeframe nears, the district should be considering projects to upgrade existing network infrastructure equipment.

MONITORING AND EVALUATION

The District will monitor and evaluate progress on this plan with regular reviews by the Technology Advisory Committee, district administrators, teachers, and technology staff. The District will also solicit feedback from students, staff and the community through other district committees and district surveys. Data collection and benchmarking will help assess the impact on teaching and learning, with findings used to make mid-course corrections. Progress will be reviewed quarterly, with feedback collection and annual evaluations to track overall success. Results will be communicated through regular updates to district administration and the school board as well as via newsletters, online dashboards, and other district communications ensuring transparency and stakeholder engagement.