

Building a Connected K–12 Learning Ecosystem

A strategic approach to technology that supports
the future of educators and students



Outdated devices are complicating a digital-first future for schools.

K–12 districts are at a critical moment in their technology roadmap. Aging devices, rising hardware and memory costs, and supply constraints strain current technology plans. At the same time, cyberthreats and heavier digital use expose gaps with older, less secure devices.

Modernization is no longer optional for most districts. Technology and academic leaders must decide how long to extend devices and where to refresh. They also need to determine when to shift from time intensive ecosystems to centralized and streamlined IT management. Chromebooks simplify management, strengthen security, and enhance productivity for staff and students. Schools enjoy lower upfront costs to help maximize device budgets.

Chromebooks are central to everyday teaching and collaboration. They are reliable, efficient, and have long-lasting power to support learners across K–12 and higher education. IT administrators also gain benefits. With Chromebooks, fleet management is streamlined through Google Admin console for easy device oversight. Zero-touch enrollment simplifies device deployment so devices are ready to use when they arrive.

More than learning on the line

Delaying critical technology updates can lead to mounting impacts on instruction, operations, and education budgets:



Added complexities

Layering on new tools without a unified plan causes more strain on networks and IT resources.



Legacy burden

Outdated technology requires frequent, reactive support and drives up long-term maintenance costs.



Learning disruption

Students are kept from new learning opportunities due to device constraints.



Staff burnout

Slow devices frustrate educators, disrupt lessons, and monopolize time from supporting students.



It will be critical to assess technology ecosystem needs and determine the course forward before annual budgets are finalized. **Schools that move forward in 2026 will be ready to support higher levels of student learning and educator experience for the coming year.**

Unlock a new way of teaching, learning, and working with generative AI.

Empower your entire school with private and secure generative AI using free-of-charge tools like Gemini for Education and NotebookLM. Students and educators can:



Supercharge productivity with summaries, analysis, and research.



Brainstorm ideas, get feedback, and access step-by-step guidance.



Boost student engagement with content tailored to needs.



Learn confidently with trustworthy responses and linked sources.



Spark fresh ideas for professional development, lesson plans, and more.

Understand more with NotebookLM.

Google NotebookLM is your personal AI-powered research and thinking partner, grounded only in the information you provide. Upload your sources – like strategy plans, education standards, lecture notes, and course readings – and NotebookLM can answer questions and generate summaries, lesson plans, study guides, discussion questions, and quizzes, all with in-line citations to verify accuracy.

Try this with NotebookLM:



Create engaging educational videos.



Get detailed reports with citations.



Listen to podcast-style audio overviews.



Visually summarize with mind maps.

These are just a few ways to accelerate learning and knowledge-sharing with AI grounded in your sources.

Strategic Gemini for Education use cases

- **Save time:** Quickly draft lesson plans aligned to learning objectives and education standards.
- **Personalize learning:** Create personalized practice materials for each student based on their past exams and assignments.
- **Inspire creativity:** Engage students by gamifying lesson plans, class activities, and homework assignments.
- **Learn confidently:** Deepen understanding with on-demand support, like explanations of challenging concepts and step-by-step guidance.

More than a technology update

Devices and infrastructure are extremely important; however, technology should offer students and educators a reliable, consistent, and secure environment for learning and collaboration. The goal is not just new hardware, but a cloud-first, AI-ready learning ecosystem that can evolve with district priorities.

When evaluating options, look beyond the base technology and build a roadmap that accounts for:



Tools for **communication, creativity, and accessibility**



Cutting-edge AI tools that **enhance educator roles and student learning**



Robust security protections and **centralized IT policy management**



User analytics that help **measure program success over time**



Professional development opportunities **for educators**

Many districts organize this work into clear phases: assessing current environments, aligning on priorities and budget, piloting with a subset of schools, and then scaling what works. This approach helps each investment support both near-term needs and longer-term learning outcomes.

Questions to challenge your leadership team



What are our budget priorities for 2026–2027, and will any have a universal district impact?



If we continue our current technology infrastructure, **what are the estimated maintenance and licensing costs** for the coming year?



How can we measure the impact of current aging devices on student learning and educator processes?



How does the evolution of AI impact our decision to modernize now or wait?

A partner for the future

To pursue a strategic approach to technology modernization, select an experienced and reliable partner. Insight Public Sector is a Solutions Integrator with expertise in project management and transformation. We support critical technology initiatives for school districts, including migrations to cloud-based learning environments like Google Workspace for Education.

If you're rethinking your district's learning technology strategy, let's start a conversation.

About **Insight Public Sector**

Insight Public Sector, a division of Insight Enterprises, a Fortune 500 Solutions Integrator, helps federal, state, and local government agencies and educational institutions solve complex technology challenges. With 35+ years of deep technical expertise and robust industry partnerships, we combine the right hardware, software, and services to drive real transformation.