3-Year APS Technology Plan – 2024-2027

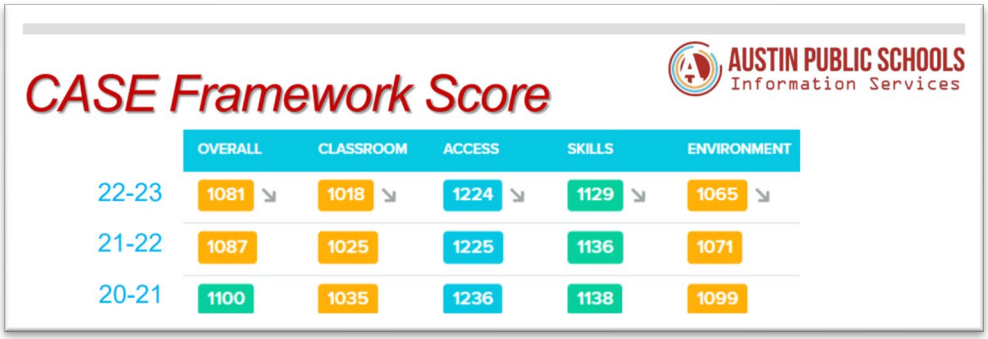
District Mission: Inspire, Empower, and Accelerate

District Vision: Preparing all learners to make a difference in the world.

District Technology Vision Statement: **TBD**

What data did we use to create these objectives?

Bright Bytes Survey – The district conducted a Clarity CASE Framework survey in the spring of 2023 to identify areas of strength and need in classroom technology, technology access, technology skills, and environmental supports for technology. This survey provided a district wide score of 1081, which places us in the "proficient" category. However, as you can see from the chart below, we scored lower overall and in specific categories than we did in previous years.



CISA Survey and Review -- The district engaged the Cybersecurity and Infrastructure Security Agency (CISA) to conduct two reviews during the 22-23 school year: a Ransomware Readiness Survey and a Cyber Resiliency Review. These surveys revealed areas of preparedness and opportunities for improvement to prepare APS for future cyber events.

Facilities Survey – The Facilities Department of Austin Public Schools engaged ISG to conduct a student of APS facilities, part of which included an analysis of the physical technology and security structures.

Staff Input – Formal and informal conversations between staff and their tech coach or staff and the Director of Technology.

APS Priority: Support and resources to provide a safe and welcoming learning environment

Technology Objective: Develop and implement comprehensive technology policies and practices that safeguard data, privacy, security, and accessibility.

Goal #1: By the fall of 2024, create a centralized technology documentation center accessible through the School District website. This should include the following resources/links.

- *The APS Technology Plan*
- *Acceptable Use Policy*

- *Student, Staff, and Parent/Family Support Documents and Links (password protected where necessary.*

Goal #2: Starting in the 24-25 school year, with a goal of full implementation by the end of 26-27, develop a district team that will oversee the following:

- *Acceptable Use Policy*
- *Group policies and permissions*
- *Identity management*
- *Retention policies*
- *Network filtering guidelines*
- *Tools and conventions for district staff documentation and collaboration*
- *Standards for community partner and vendor technology access*

Goal #3: Using the CISA CRR results and the guidelines of the NIST framework, advance all CRR categories into Domain 1 by the end of the 2028 School year. This should include:

- *Implement CIS Security Controls and install/use CIS Secure Suite.*
- *Participate in local, state and national cybersecurity partnerships and alert groups.*
- *Apply for federal, state, and local grants and subsidies. (i.e. Minnesota's Whole-of-State Cybersecurity Plan and Grant Program, the new Federal Cybersecurity eRate pilot, MS-ISAC subsidized intrusion detection service, etc.)*
    - *These funds could be used to pay for tools such as Sentiel One, Red Canary, Bull Wall, or other network monitoring tools.*
- *Evaluate and select a data privacy analytic to assure student and staff privacy is monitored and reviewed regularly.*
- *Partner with District Security Team to conduct once yearly cybersecurity table exercises.*
- *Require once yearly Internet Safety training for all staff and share monthly Cybersecurity micro lessons in the staff newsletter.*
- *Provide technology skills and safety assessments for students at appropriate grade levels and transitions.*

Goal #4: Partner with APS Departments to ensure safe and welcoming practices with technology.

- APS Facilities Department: Update crossover servers and technology by the end of the 25-26 school year – door security, facilities mgmt & ticketing, server room security and climate.
- *Activities, Facilities Depts: Find an events/facilities reservation system that protects the privacy of organizations and events*
- *Human Resources Dept. - deployment and collection of staff technologies.*
- *Cross-Departments: An updated VOIP telephony system.*

APS Priority: District-wide multi-tiered systems of support (MTSS) for all learners

Technology Objective: Equip educators and families with the knowledge, skills, and resources needed to promote safe, effective, and responsible use of technology for all students.

Goal #1: In partnership with the Office of Teaching and Learning and Info Services, provide appropriate coaching and learning platforms for professional development – to be in place by the beginning of the 25-26 school year. The following components are desired:

- *Technology-specific professional development that aligns with the District's Strategic Priorities, Enterprise Systems, Instructional Model, and Essential Technology Outcomes.*
- *A staff support model that provides mentorship during years 1-3.*
- *A staff resource and learning platform. This should include:*

    - *a variety of in-person, online, and self-paced options for learning*
    - *ability to easily track success*
    - *support and training in the use of AI*
- *Appropriately leverage Microsoft 365 for file sharing and collaboration.*
- *Determine methods for measuring the effectiveness of adopted technology tools and incorporate those metrics into the above cycles.*

Goal #3: Foster strong relationships and communication among school, family, and community regarding student technology behaviors and safety at school, at home, and in the community. Approaches should include:

- *Provide quarterly family technology-communication in the district's Austin Packer Bulletin.*
- *During registration and other appropriate checkpoints, provide families with technology-related information that supports school and home use.*
- *Engage with local partners/guest speakers to sponsor and promote safety events and information sessions related to internet safety.*
- *Collaborate with District Leadership team to leverage technology tools to further focus community and family communication into fewer "touchpoints".*

APS Priority: Packer Profile for All Learners

Technology Objective: Foster a technology-infused learning environment that encourages responsible and resilient learners who are able to communicate with and contribute to the world.

Goal #1: Develop a technology integration model that promotes student success, career readiness, and responsible use.

- *Ensure that all learning technologies are aligned with standards, curriculum, and district Instructional Model.*
- *Provide appropriate coaching for staff as they integrate the Essential Technology Outcomes.*
    - *Align outcomes with Minnesota State Standards*
    - *Support technology that is selected during curriculum cycles.*
- *Develop expectations/policies/best practices for AI use by students and staff.*

Goal #2: Ensure that all students have the technology skills and opportunities needed for their Pathway and Portfolio work for when the Packer Portfolio is fully implemented in the 26-27 school year.

- *Determine evidence/artifacts required for support of Packer Portfolio K-12 and how current (or future) tech tools can help to gather and store these artifacts.*
- *Incorporate Essential Technology Outcomes into Packer Profile instruction.*
- *Grow use of technology that reflects real-world experiences and encourages career readiness.*
    - *Ensure equitable access to technology resources.*
    - *Use technology tools for collaborating with partners in the community and beyond.*
    - *Align 5-12 computer science/technology courses*
    - *Support technology-related extracurricular activities in K-12*

APS Priority: Excellence in Resource Management

Technology Objective: Establish a cost-effective technology management strategy that prioritizes efficiency, maximizes ROI, and minimizes maintenance and support costs.

Goal# 1: Ensure that all technology assignments and cycles enhance the goals of the district and make responsible use of district funding.

- *Develop standard technology hardware assignments for positions and locations.*
- *Clearly define and communicate the selection, evaluation, and approval process for software and hardware.*
- *Adjust student technology devices and ratios to better align with the district's strategic priorities (to be fully in place no later than the 25-26 school year):*

Option A:

<table>
<tr><td rowspan="2">24-25</td><td>Grades K-4</td><td>Grades 5-6</td><td colspan="2">Grades 7-8</td><td>Grades 9-12</td></tr>
<tr><td>1:1 iPad access at school</td><td rowspan="3">1:1 laptop access at school</td><td colspan="2">1:1 take home laptops, returned at end of year</td><td rowspan="3">1:1 take home laptops, kept year round</td></tr>
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Goal #4 -- Maintain and improve practices that reduce district costs for support, maintenance, and repair of devices.

- *Re-brand and communicate the Grade 5-12 Technology fee*
- *Provide structured device care training for students and staff when they are issued their brand new take-home device*
- *Develop a "digital skills and responsibility" assessment that must be completed before students use devices at home.*
- *Develop, communicate, and follow through on procedures for staff and student laptop damage and fees.*
- *Ensure that vendors for repairs and parts are competitive in pricing; give priority to local vendors when possible.*

- *Continue to be a licensed repair office for student laptops and transition from purchasing iPad warranties to instead find an iPad repair solution.*

How will we measure the accomplishment of these objectives?

Cyber-Resilience Reviews

- Every year = self-assessment
- Every three years = CISA assessment

Current/Future Analytic Tools

- Incident IQ – inventory management, costs, ticket count, loss, etc.
- District and state learning assessments
- Learn Platform or similar – data privacy and software/learning analytics
- CIS Budget worksheet
- Network and System Analytics

Stakeholder Feedback

- Professional Development platform data/evals/reflections
- Student surveys (can we hop on one that's already done)
- Community surveys