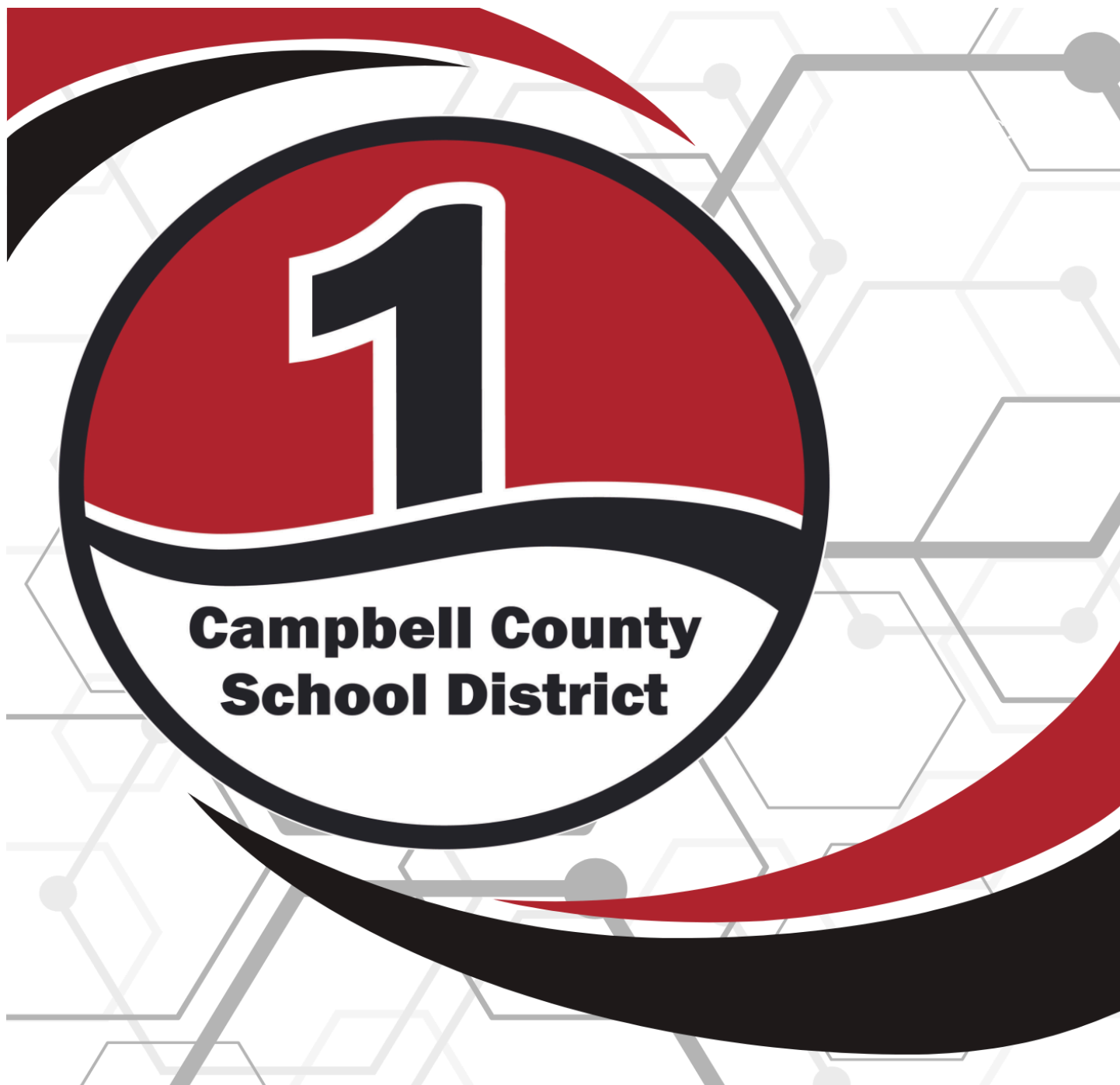




DISTRICT TECHNOLOGY PLAN

January 2026 - January 2029

Superintendent - Alex Ayers

Director of Technology - Samantha Burr

Executive Summary & Vision

I. Summary: The district's 3-year technology plan is centered on establishing a secure, next-generation infrastructure to foster innovation and digital citizenship across the entire district. This plan is built on four pillars: Digital Transformation focuses on integrating scalable and secure instructional technology to enhance teaching effectiveness; Operational Excellence guarantees maximum network stability, high-speed connectivity, and equitable access to modern student and staff devices; Data Collection and Security mandates least-privilege access controls and trains staff to securely use technology for data-driven personalized learning; and Empowered Personnel establishes a continuous training framework for all staff to ensure proficiency in utilizing technology effectively and securely. All efforts are strategically guided by comprehensive District policies and adherence to federal regulations, such as FERPA and CIPA, ensuring a foundation of security and compliance for all digital initiatives.

II. Educational Technology Vision Statement: Our vision is to establish a secure, next-generation technology infrastructure that empowers staff and students, fostering a culture of innovation and responsible digital citizenship.

III. Educational Technology Pillars:

- Digital Transformation: *Teaching and Learning*
- Operational Excellence: *Infrastructure & Devices*
- Data Collection and Security: *Teaching & Organizational*
- Empowered Personnel: *Staff Technology Training*

Digital Transformation: Teaching and Learning

Objective: Systematically evaluate, integrate, and support effective instructional technology solutions and emerging practices that are scalable, secure, and directly enhance pedagogical effectiveness across all grade levels and content areas.

○ **Action Plan:**

- 1. Awareness and Assessment of Current Instructional Technology & Applications -** strategically evaluating existing technology, aligning it with pedagogical standards, and implementing equitable device management, the school district ensures all students and staff have reliable, secure, and modern tools necessary for effective 21st-century teaching and learning
 - a) Review all existing core instructional technology platforms for alignment with current pedagogical standards, licensing costs, and security.
 - b) Work with curriculum and administration to identify teaching and learning challenges that new technology could assist with.
 - c) Implement a continuous and equitable device lifecycle management strategy to ensure reliable and up-to-date technology access for all students and staff members, supporting seamless engagement in 21st-century teaching and learning environments.
- 2. Integration and Scalability -** transitioning to single sign-on (SSO) technology platforms and developing strict IT integration and security standards, the school district maximizes instructional time for staff and students while ensuring that new and existing systems are secure, interoperable, and scalable across the district.
 - a) Transition existing and new district-wide technology platforms to single sign-on (SSO) to maximize teacher and student instructional time.
 - b) Develop IT integration standards that outline the technical and security requirements instructional technology must meet.

Year 1: Strategic Action Focus	Year 2: Expansion Focus	Year 3: Optimization Focus
● Review and Audit educational technology applications. ● Survey buildings on technology needs. ● Reevaluate educational technology replacement cycles and update. ● Determine which technology platforms are compatible with SSO. ● Develop IT integration standards.	● Create an evaluation rubric to determine whether an educational technology application is approved for use. ● Implement technology and application solutions to building needs, prioritized by the educational impact of the solution. ● Convert educational technology platforms that are compatible with SSO.	● Evaluate the effectiveness of technology and application solutions in relation to their instructional impact.

Operational Excellence: Infrastructure & Devices

Objective - Achieving maximum stability and uptime across the core network infrastructure by implementing and maintaining proactive monitoring systems, ensuring consistently high-speed connectivity across all facilities, thereby minimizing instructional downtime and supporting seamless operational technology use.

○ **Action Plan:**

1. **Network Infrastructure Upgrades** - Upgrading servers, switches, and other infrastructure components will enhance the district's infrastructure by improving network speed and reliability, increasing data security, and providing the scalability necessary to support new educational technologies.
2. **Upgrade Access Point (AP) cabling** - Upgrading AP cabling to Category 6A (Cat 6A) enhances the network by supporting higher throughput speeds, minimizing data packet loss and signal interference, and ensuring sufficient Power over Ethernet (PoE) capacity to reliably power the latest high-performance Wi-Fi devices.
3. **Wireless Optimization** - Through analyzing, configuring, and tuning wireless network components, higher performance, coverage, reliability, and security will be achieved while minimizing interference and congestion.

Objective - Ensuring all staff and students have access to modern, equitable, and educationally relevant technology devices on a sustainable, predictable replacement cycle to maximize learning opportunities and support innovative instructional practices.

○ **Action Plan:**

1. **Planning & Sustainability** - Redesign and secure recurring annual funding model for a 5-year device replacement cycle for all instructional devices (e.g., 1:1 student devices, teacher devices, classroom panels).
 - a) Regular evaluation of device performance and instructional need
 - b) Decommissioning of devices through a clear and concise culling process.
2. **Minimize Device Downtime** - minimizing downtime through ensuring efficient repair services directly contributes to maximizing valuable learning opportunities and supporting innovative instruction.
 - a) Train building technology staff on simple repairs to reduce device location change.
 - b) Systematically track repair time, analyze data, and make adjustments to increase efficiency.

Year 1: Strategic Action Focus	Year 2: Expansion Focus	Year 3: Optimization Focus
● Evaluate the current state of servers and prioritize replacement ● Analyze building network data to prioritize AP cable upgrades ● Test wireless optimization at select sites and gather data on impact ● Establish predictable and sustainable device replacement cycles ● Refine device repair data collection	● Execute the upgrade of servers and AP cabling as prioritized within the network budget. ● Scale successful wireless optimization strategies. ● Clearly define and track the culling of depreciated devices. ● Train building staff on one high-leverage minor device repair ● Analyze repair data and adjust for efficiency	● Continue upgrading of servers and AP cabling as prioritized within the network budget. ● Continuously track performance metrics, identify emerging bottlenecks or coverage gaps, and sustain the optimized wireless network. ● Continuously optimize device repair efficiency

Data Collection and Security: Teaching & Organizational

Objective - Create comprehensive, centralized access management procedures and implement least-privilege security access groups across all data systems and applications to ensure that staff are provisioned with only the necessary access rights required for their roles, thereby minimizing organizational risk and maintaining data confidentiality, integrity, and availability.

- **Action Plan:**
 1. **Audit Access/Security Groups** - Conduct a comprehensive, district-wide audit of current access levels and roles across all data systems and applications to identify and remediate instances of unnecessary or excessive permissions.
 2. **Develop a role-based access system and define least-privilege access groups:** Inventory all staff roles, map the exact data systems and applications each role requires access to perform their job functions, and formally define corresponding security access groups based on the principle of least privilege.

Objective - Empower staff with the essential skills to securely, ethically, and accurately leverage educational technology platforms and tools to collect, analyze, and apply student data for personalized learning and instructional improvements, while ensuring compliance with district and state data privacy regulations in their professional practice.

- **Action Plan:**
 1. **Student Data Collection** - support staff with educational technology tools and platforms that accurately and efficiently compile student performance data to make actionable decisions that directly inform instruction.
 2. **Security Awareness Training** - Implement ongoing cybersecurity and data privacy awareness training for all staff, utilizing real-world scenarios that emphasize the secure and ethical handling of confidential student data and adherence to district and compliance requirements.

Year 1: Strategic Action Focus	Year 2: Expansion Focus	Year 3: Optimization Focus
● Audit security groups of major educational technology platforms ● Define role-based access privileges that follow the principle of least privilege ● Audit data collection systems and educational technology tools that are used, and survey needs in data collection, analysis, and data security ● Develop a baseline security awareness training for staff.	● Revise security group access levels to follow the principle of least privilege and be role-based. ● Provide tutorials and produce training materials for instructional data collection and analysis. ● Analyze security statistics and staff interactions with phishing emails to determine staff training needs and develop awareness training in response to the data	● Implement a formalized, automated audit schedule to review all staff access periodically ● Implement a formalized, automated audit schedule to review security data and implement necessary awareness training for staff

Empowered Personnel: Staff Technology Training

Objective: Establish a sustainable, comprehensive technology professional learning framework that ensures that staff have adequate training opportunities in the effective use of instructional and operational technologies to advance pedagogical goals, data literacy, and efficiency.

- **Action Plan:**
 1. **Develop and Maintain a Centralized Technology Resource Hub:** Develop an easily searchable, centralized online resource that all staff can access on demand, featuring video tutorials, quick guides, and vetted best-practice examples related to instructional and operational technology
 2. **Train-the-Trainer** - formalize a Train-the-Trainer program to equip building technology facilitators with skills and training materials, enabling them to effectively provide building-based training and support that aligns with the district's goals.

Year 1: Strategic Action Focus	Year 2: Expansion Focus	Year 3: Optimization Focus
● Develop a centralized educational technology resource hub for tutorial and training materials. ● Curate current resources and revise for updates and accuracy ● Survey building technology staff on the current training they offer	● Prioritize the creation of training materials based on the highest impact ● Create dynamic educational technology training opportunities for staff in a variety of modalities ● Implement the training phase of the train-the-trainer model	● Continuous revision and optimization of tutorials and training materials ● Refine and optimize the train-the-trainer model

IV. Connection to District Strategic Plan



We Value...

Collaboration: Working cooperatively to achieve our mission, vision, and goals.

Communication: Sharing and receiving information in a respectful and effective manner.

Compassion: Showing kindness and empathy as a foundation for positive relationships.

Innovation: Promoting creativity and forward thinking.

Integrity: Being honest and trustworthy in words and actions.

Resiliency: Learning to adapt and persevere.

Respect: Honoring opinions and diversity while treating each other with dignity.

Responsibility: Taking individual and collective ownership for actions and outcomes.

July 1, 2022 - June 30, 2027

Teaching Effectively. . . Learning Successfully

Our Mission: Empowering our students for success.
Our Vision: United in excellence.

Goal 1: Improve Student Achievement

- ❖ Students will demonstrate proficiency or growth as measured by the district assessment system.
- ❖ District grade levels will exceed the state average in content areas measured by the Wyoming state assessment.
- ❖ The district graduation rate will exceed the state graduation rate.

Goal 2: Support Student and Employee Well-Being

- ❖ The district will provide evidence-based programs and services to support students' physical and mental well-being.
- ❖ The district will provide programs to support employees' physical and mental well-being.

Enhancing Student Achievement through Digital Transformation: Integrated, scalable, and secure technology supports enhancing teaching effectiveness and fosters innovation, while providing the necessary tools for data-driven personalized learning to impact student achievement.

Supporting Well-being via Security and Access: Data security protects student and staff privacy, reducing the stress and risks associated with data breaches or cyberbullying, which is fundamental to a healthy digital environment.

Fostering District Values through Infrastructure and Training: The 3-year plan aims to foster a culture of responsible digital citizenship. This aligns with the strategic plan's values of responsibility and integrity.

Empowering Personnel for Effective Teaching: A professional framework and system of supportive resources ensure all staff are empowered with skills and knowledge to grow professionally as related to educational technology.

V. Federal Acts/Governing Rules

Federal Acts/Rules:

- Children's Internet Protection Act - [CIPA](#)
- Children's Online Privacy Protection Rule - [COPPA](#)
- Family Educational Rights and Privacy Act - [FERPA](#)

VI. District Technology Policies:

Policy 3000s - Fiscal Management

- [3310 Fixed Asset Inventory Policy](#)
- [3310 Regulation](#)
- [3320 Purchasing Policy](#)
- [3320 Regulation](#)

Policy 5000s - Student

- [5276 Anti-Bullying Policy](#)

Policy 7000s - Technology

- [7100 - Technology](#)
- [7100 R - Section 1, Student Resource Access](#)
- [7100 R - Section 2, Filtering and Monitoring](#)
- [7100 R - Section 3, Technology Acceptable Use](#)
- [Staff Technology Acceptable Use Agreement](#)
- [Student Technology Acceptable Use Agreement](#)
- [7200 - Technology Security](#)
- [7200 R - Section 1, Network Security](#)
- [7200 R - Section 2, Data Backup and Storage](#)
- [7200 R - Section 3, Access Control](#)
- [CCSD System Access Request](#)
- [7200 R - Section 4, Remote Access](#)
- [7200 R - Section 5, Encryption](#)
- [7200 R - Section 6, Password Management](#)
- [7200 R - Section 7, Audit Controls](#)
- [7200 R - Section 8, Automatic Logoff](#)
- [7200 R - Section 9, Email Security](#)
- [7200 R - Section 10, Workplace Security](#)
- [7200 R - Section 11, Portable Devices](#)
- [7200 R - Section 12, Access Authorization](#)
- [7200 R - Section 13, Technology Access Upon Employment Conclusion](#)