

LEARNING ENVIRONMENT

Accessible, Engaging, Innovative, Equitable



Provide accessible, engaging technology resources to create an environment for equitable and innovative teaching and learning.

Result 1: Students and staff will have equitable access to resources that support engaging and innovative learning.

What does it look like?

1:1 device program PreK-12

- PreK-K: Chrome Tablets
- Grades 1-12: Chromebooks

Essential Software

- Student Information System (PowerSchool)
- Learning Management System (Canvas)
- Single Sign On Portal (Clever)
- Productivity and Email Suite (Google Workspace)
- Curricular and Instructional Support Tools (e.g., BrainPOP, Nearpod, Discovery Education, WeVideo)

Skilled Technology Teams

- Technology Integration Specialists
- Infrastructure and Support
- Education and Business Applications

Strategic Plan Alignment

- Systemic Alignment
- Instructional Excellence
- Student Accessibility and Support
- Strategic Resource Allocation
- Family and Community Engagement

Staff Resources

- [Teaching and Learning with Technology Course](#)



LEARNING ENVIRONMENT

Accessible, Engaging, Innovative, Equitable



Provide accessible, engaging technology resources to create an environment for equitable and innovative teaching and learning.

Result 2: Technology resources will be utilized to enhance the learning and instructional needs of students and staff.

What does it look like?

Utilization of Software

- Canvas allows for anywhere, anytime learning and personalization to best fit staff and student needs.
- Google Workspace provides collaboration and creation tools for staff and students to deepen learning.
- A suite of multimedia and blended learning tools serve to give staff and students access to learning resources, activities, and creation tools.

Instructional Planning

- Collaboration with the Office of Instructional Support to explicitly connect the use of instructional technology with the ACPS Curriculum.
- Partnership with the Virginia Tech Innovation Campus and Amazon to plan for implementation of VA Computer Science Standards.

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Staff Resources

- [ACPS K-12 Instructional Tools](#)
- [ACPS Curriculum Guides](#)
- Computer Science Education Standards
- [ISTE Standards](#)



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Provide accessible, engaging technology resources to create an environment for equitable and innovative teaching and learning.

Result 3:

Staff will purposefully balance the use of educational technology with face-to-face instruction to enhance and personalize teaching and learning.

Result 4:

Instruction for students and staff will include a curriculum focused around the rights, roles, and responsibilities of digital citizenship.

What does it look like?

Intentional Technology Usage:

- ACPS Technology Use Guidelines
- Focus on blending face-to-face with technology
- Technology used as a tool for enhancing curriculum
- Classroom management that includes time without screens
- Advisory committee focused on healthy implementation of technology in ACPS

Digital Citizenship:

- Common Sense Education Curriculum utilized in classrooms
- Common Sense Recognized District

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Staff Resources

- [Common Sense Education Curriculum](#)
- [Common Sense Professional Learning](#)
- [Teaching and Learning with Technology Course](#)



LEARNING ENVIRONMENT

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Provide accessible, engaging technology resources to create an environment for equitable and innovative teaching and learning.

Result 5: Families will have access to ACPS technology resources to support student learning.

What does it look like?

Student Information System (PowerSchool)

- Check grades and attendance
- Update contact information
- Class and bus schedules

Learning Management System (Canvas)

- Observer accounts linked to student
- Access class specific resources, assignments, and announcements

Communication Platform (ParentSquare)

- Receive messages from schools in preferred language
- Two-way texting with translation
- Attendance notification
- Conference sign ups and permission slips

Internet Content Filter (Securly)

- Allows families to filter their student's device when off the ACPS network
- 24/7 monitoring for potential self-harm, violence, or bullying

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Family Resources

- Common Sense Media
- School-based family nights that include technology tutorials and tips
- Division-wide collaboration workshops between Technology Services and Family and Communication Engagement (FACE)



INFRASTRUCTURE

Reliable, Scalable, Transparent, Resilient



Provide a reliable, scalable, transparent, and resilient infrastructure that facilitates the operation of the school division and supports greater access and equity.

Result 1: Students and staff have equitable access to computing devices and other digital tools.

Result 2: Students and staff have access to technology and support that enable high quality and reliable access to the Internet and other networks used by students and staff.

What does it look like?

Instructional

- 1:1 Program PreK-12
- Classrooms are equipped with
 - SmartBoards or projection systems
 - Document cameras
 - Web cameras
- Out-of-school internet access provided for students in need through Kajeets or Internet Essentials

Operational

- Staff are provided with a laptop computer and web access to job-related operational software, e.g., Munis, Executime, Edulog, TalentED, PowerSchool, Google Workspace.
- Four-year replenishment cycle for devices

How does this support the learning environment?

Students and staff need reliable tools and resources to access the learning and working environment.

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Staff Resources

- [Incident IQ](#)
- [Application Request Form](#)



INFRASTRUCTURE

Reliable, Scalable, Transparent, Resilient



Provide a reliable, scalable, transparent, and resilient infrastructure that facilitates the operation of the school division and supports greater access and equity.

Result 3: A reliable and resilient infrastructure is maintained.

What does it look like?

Infrastructure Components

- 10 Gigabit internet service for staff, students, and guests
- Wi-fi on all sites
- CIPA and COPPA compliant internet filters
- Next-Generation firewall
- Security monitoring
- Cloud-based phone systems
- Upgraded paging and bell systems
- Distributed antenna system for cellular access

Fast Facts

- ACHS King Street is the largest managed Wi-fi network in Alexandria City.
- Average bandwidth usage is 8Gb per day.
- On average, 1,400 Helpdesk tickets are submitted per month, with 94% closure rate.
- Approximately 28% of incoming emails are flagged as suspicious, and therefore, not delivered.

How does this support the learning environment?

Students and staff need reliable tools and resources to access the learning and working environment.

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Staff Resources

- [Incident IQ](#)



SAFETY, SECURITY, AND PRIVACY

Systems, Training, Policies



Minimize security risks through the use of systems, training, and policies.

Result 1: A secured network is maintained and managed for staff and students.

Result 2: Student and staff identities, data, and devices are protected.

Result 3: ACPS network and assets are continuously improved to protect against cyber attacks.

What does it look like?

Systems

- 24/7 monitoring of ACPS Network
- Email content filters for phishing and spam
- Secury internet content filter at school and home
- Implementation of Multifactor authentication (MFA)

Policies and Practices

- Cyber Incident Response policy, plan, and playbooks
- Staff and student Technology Use Agreements updated annually
- Third-party data privacy agreements
- Phishing campaigns

**Related training for safety and security is found in Goal 4 Result 3.*

How does this support the learning environment?

The systems, policies, and training are designed to maintain a safe and secure learning environment for students and staff.

Strategic Plan Alignment

- Strategic Resource Allocation

Staff Resources

- ACPS Responsible Use Policy
- Student Technology Use Agreement (PK-5 & 6-12)
- Staff Technology Use Agreement
- [Data Privacy Agreement](#)
- [WebTool Consent Form](#)



PROFESSIONAL LEARNING

Adaptive, On-going, Relevant



Provide multiple models of professional learning that provide growth and development for all staff.

Result 1: Instructional staff have professional learning opportunities that create an environment for equitable and innovative teaching and learning.

What does it look like?

Division - Wide Opportunities

- Teacher Leadership Project
- Alexandria City Digital Certifications
- Bite-sized professional learning
- Professional Learning Days
- School leadership training opportunities and cohorts
- Support and training sessions for new staff
- Asynchronous offerings in Canvas

School - Based Opportunities

- Professional learning during PLCs
- 1:1 Modeling, co-teaching, collaborating
- Drop-in sessions
- TIS-led tech cohorts
- Self-paced learning in Canvas
- How-to guides
- Newsletters

How does this support the learning environment?

Staff participation in high-quality professional learning equips educators with skills to create equitable and innovative learning environments.

Strategic Plan Alignment

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- Instructional Excellence
- Strategic Resource Allocation

Staff Resources

- Teaching and Learning with Technology
- PLMS



PROFESSIONAL LEARNING

Adaptive, On-going, Relevant



Provide multiple models of professional learning that provide growth and development for all staff.

Result 2: All staff have access to professional learning that directly supports the use of operational and business applications.

Result 3: Staff are trained, aware, and utilize ethical techniques for the collection, use, storage, and destruction of data in current, emerging, and future technologies.

What does it look like?

Operational and Business Applications

- Self-Paced modules in Vector and Canvas
- Skillsets Online
- Synchronous and asynchronous webinars
- Face-to-face training

Data Usage and Protection

- Common Sense Educator training
- Responsible Use Policy
- Self-paced modules
- Training to support state and federal laws (e.g., FERPA)

How does this support the learning environment?

Efficient use of operation and business applications allows increased focus on the learning environment. Training supports a safe and secure learning environment for students and staff.

Strategic Plan Alignment

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- Strategic Resource Allocation

Staff Resources

- [Protecting Student Privacy](#)

