

TECHNOLOGY UPDATE

Strengthening Our District Network | 2026-2027 Highlights



Office of Technology

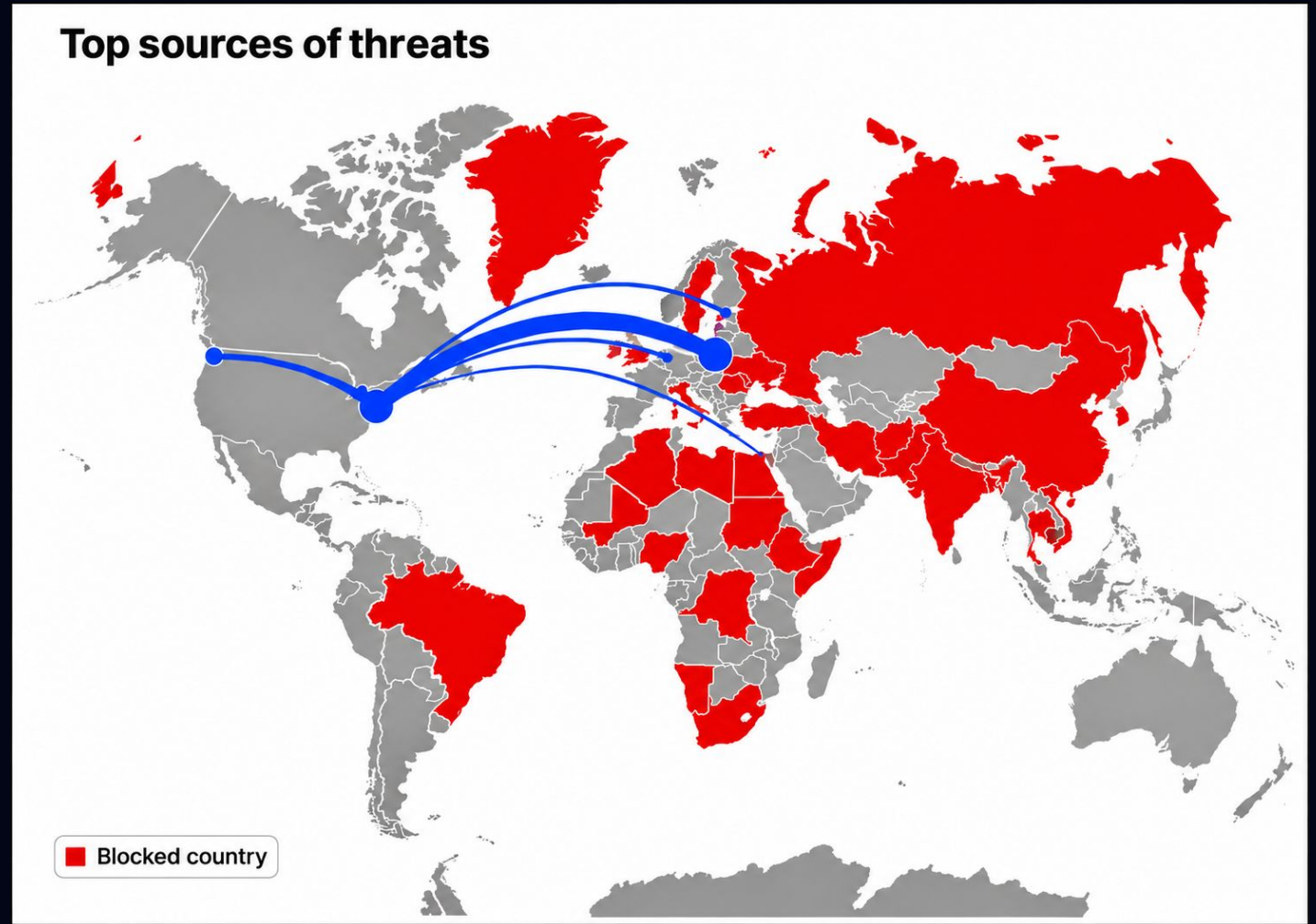
Network Security

Geo-IP Filtering on the Firewall: Blocking Traffic by Country

Geo-IP Layer 7 firewall to block traffic by country. It is a simple way to reduce unnecessary exposure.

Multi Factor Authentication

Cisco Duo- Multi-Factor Authentication (MFA). Two or more proofs of identity before letting you into an account



Email Security

Think of SPF, DKIM, and DMARC protocols as a team that helps stop fake emails.

SPF

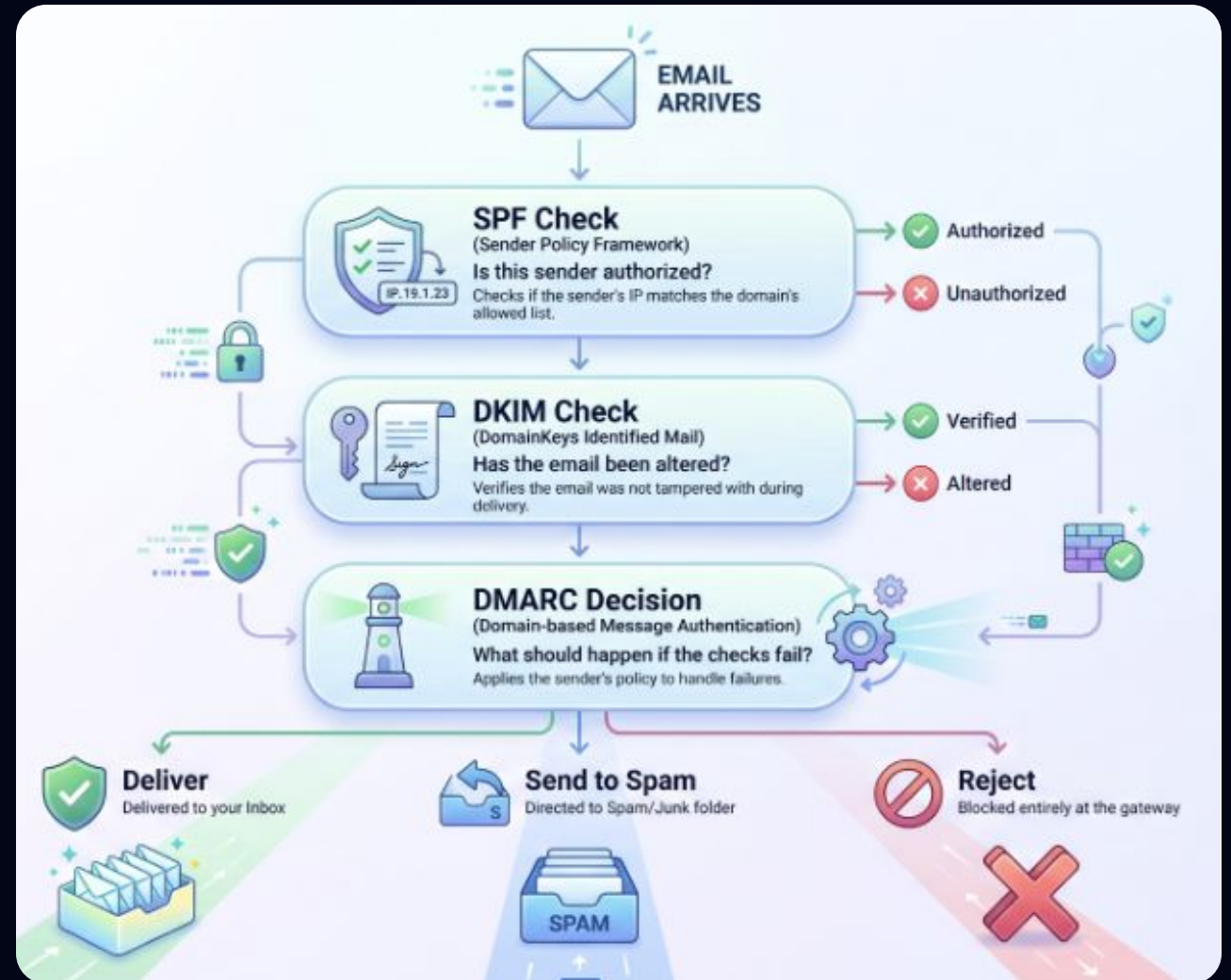
Makes sure the sender is authorized by verifying their IP address against the domain's allowed list.

DKIM

Makes sure the email hasn't been tampered with during delivery using a cryptographic digital signature.

DMARC

Decides what happens if those checks fail—allowing the email, sending it to spam, or rejecting it altogether.



WI-FI 7 UPGRADE

Next-Gen Connectivity

-  **Cisco Meraki Access Points:** Wi-Fi 7 infrastructure district-wide.
-  **Increased Capacity:** Built for dense student testing environments.
-  **85% Reimbursement:** Secured via E-Rate funding.
-  **In-House Install:** 125 installed by District Tech Team.



INFRASTRUCTURE UPDATES

System Optimization

Maintaining the "hidden" backbone of our network to ensure district-wide reliability and ease of maintenance.

- ✔ Organized network closets throughout district.
- 🗑️ Obsolete equipment & cabling removal.
- 🔑 Installation of Video Surveillance Servers.
- ➡️ Improved thermal management and airflow.



FLEET EFFICIENCY



JAMF Implementation

Centralized Apple device management. Provides faster deployment, automated updates, and enhanced security for all district iPads and MacBooks.



Telephone Service Audit

Completed a comprehensive telecommunications audit. Identified and removed unnecessary lines, reducing recurring monthly operational costs.



Google Workspace Audit

Evaluate domain settings to check if our domain is secure. Identify potential vulnerabilities and establish actionable steps to make it better.

DEVICE FLEET EXPANSION

900

STUDENT
CHROMEBOOKS

150

TEACHER LAPTOPS

Deployment Success

Custom Configuration: Every device optimized for district security and curriculum needs.

 **Logistics:** Efficient intake, asset tagging, and distribution.

 **Integration:** Seamless connection to our new Wi-Fi 7 environment.



STRATEGIC ROADMAP



Cybersecurity

Continuous hardening of device management and network protocols to protect student data and district assets.

- ✓ Faster Wireless
- ✓ Better Device Management



Sustainability

Ongoing pursuit of grant and E-Rate opportunities to maintain cutting-edge service with minimal local impact.

- ✓ Greater Testing Capacity
- ✓ Lower Operating Costs
- ✓ Cleaner Infrastructure
- ✓ Future-Ready Fleet