Balancing Cybersecurity with Learning

K12 SECURITY INFORMATION EXCHANGE (K12 SIX)

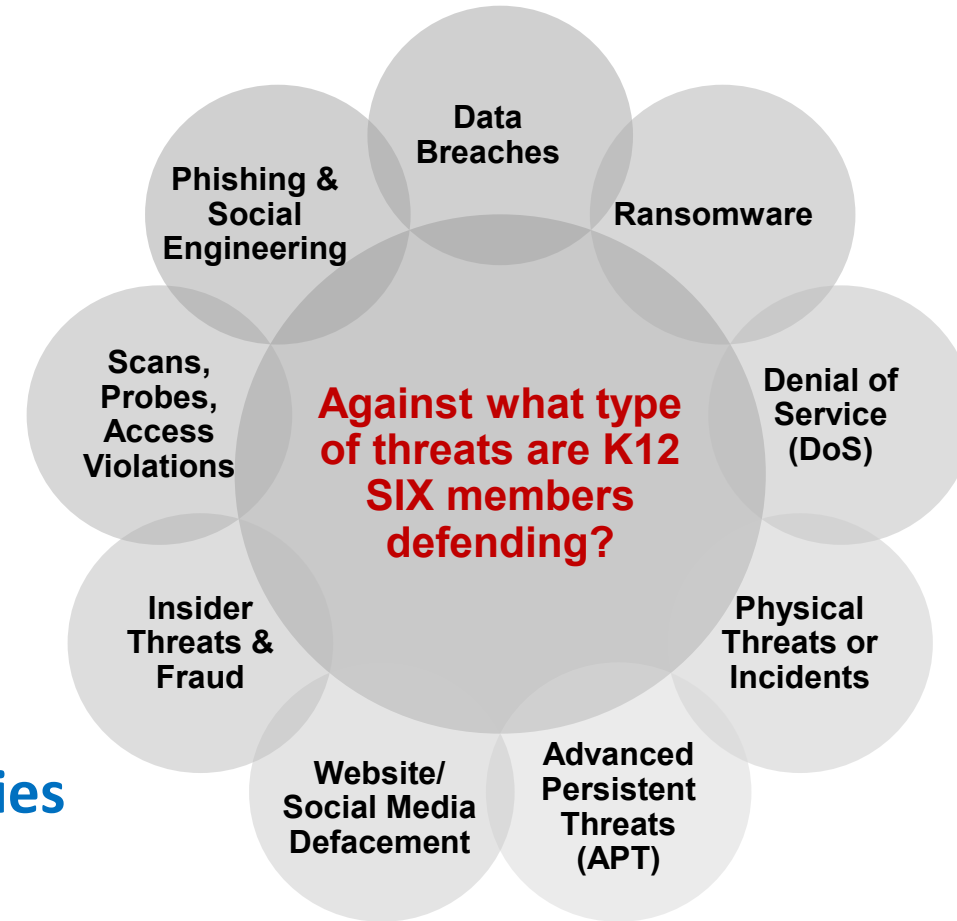*2024 WEBINAR SERIES*

APRIL 16, 2024

Brought to you by:

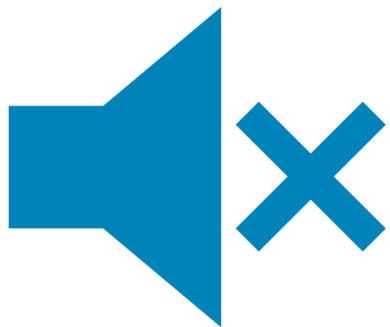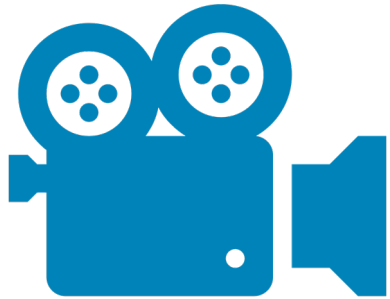**Clever**

K12 Security Information eXchange (K12 SIX)

- A Global Resilience Federation (GRF) member community, K12 SIX is a real-time cyber threat intelligence sharing hub **exclusively for schools**, to aid in preventing and mitigating cyber threats.

- This non-profit member community provides cost-effective collective defense by crowdsourcing security information among a vetted, trusted group of professionals with a common interest, using common technology and with supporting, independent analysis from the K12 SIX security team.

Collective defense | Best practices | Model policies
Professional development | Advocacy

https://www.k12six.org/member-benefits

Phishing & Social Engineering

Data Breaches

Ransomware

Scans, Probes, Access Violations

Against what type of threats are K12 SIX members defending?

Denial of Service (DoS)

Insider Threats & Fraud

Physical Threats or Incidents

Website/ Social Media Defacement

Advanced Persistent Threats (APT)

Housekeeping

- ✓ **Yes! This webinar is being recorded.** You will receive a link to the recording and slides via email shortly after the webinar.

- ✓ **Questions for Presenters?** Please submit them via the Zoom Q&A panel.

- ✓ **Comments?** All attendees are muted. Feel free to ask questions and/or provide your insights to other attendees in the Zoom Chat panel.

- ✓ **We want your feedback!** Look for a quick post-webinar survey to share your thoughts.

Our Agenda

1

2

3

Cybersecurity
in K-12

Cybersecure 2024
data

Fireside chat

Clever

Today's speakers

Mohit Gupta

Direct of Product
Clever

Mark Racine
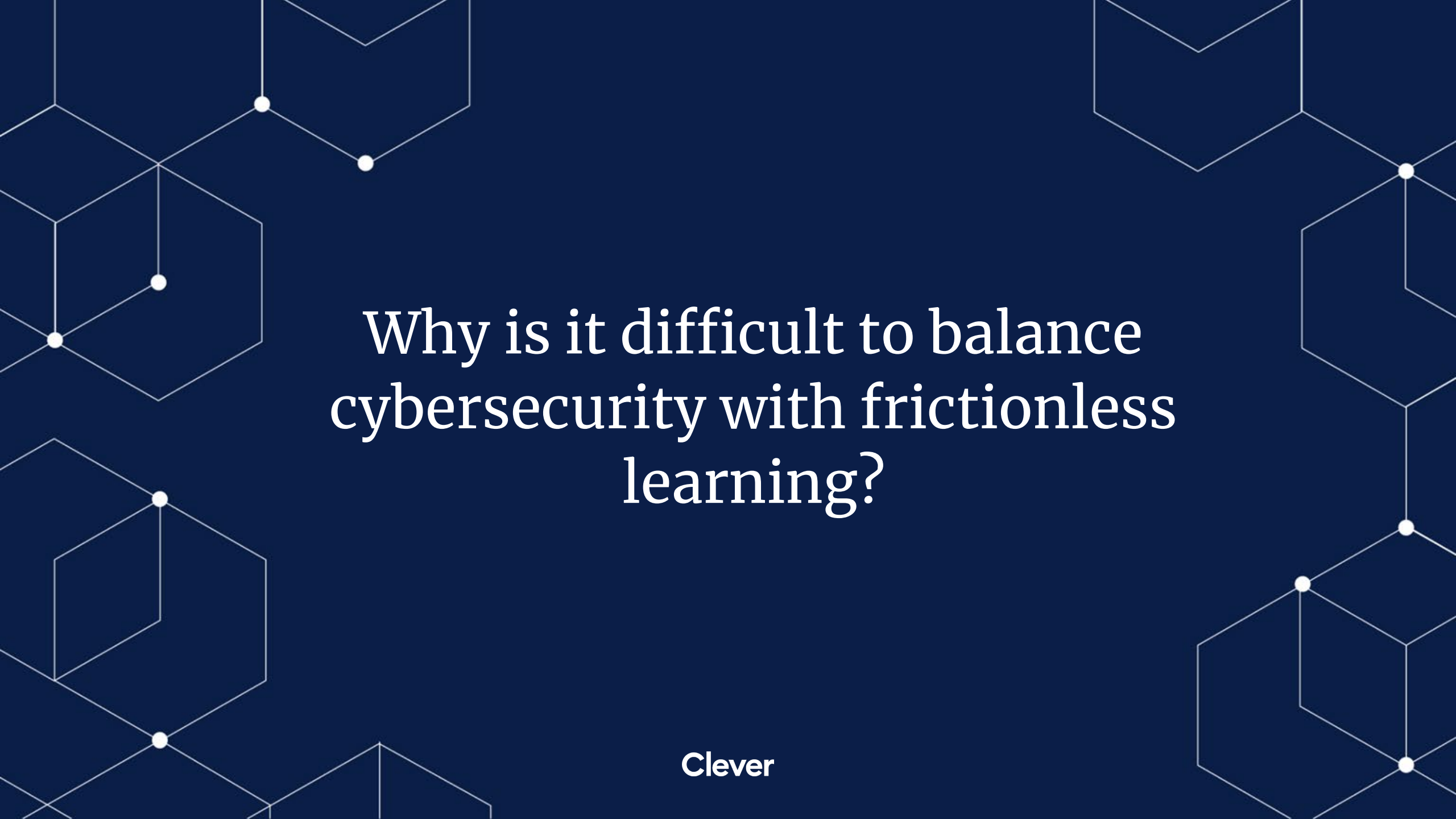
CIO
Boston Public Schools

Doug Levin

Director
K12 SIX

Clever

Why is it difficult to balance cybersecurity with frictionless learning?

Clever

Cybersecurity within K–12 is unique

1 **Complex digital learning ecosystems**

With variety of access points, devices, and personal data needs safeguarding

2 **Multiple stakeholders**

And varying degrees of knowledge of cybersecurity best practices

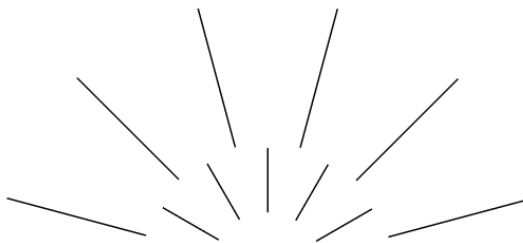**3** **Access to learning must be prioritized**

Secure access can't be a barrier to learning

4 **K-12 IT teams are under resourced**

Understaffed and underfunded

But at the end of the day, it's all about the kids.

Clever

Clever was created to solve the problems that disrupts digital learning in K–12

Heightened cybersecurity threats

Costly, disruptive threats require a holistic approach to security and data privacy. But disparate systems have gaps and vulnerabilities.

Siloed systems

Schools need systems that fit together and stretch to meet future demands in a scalable way. And with IT staffing shortages everywhere, great efficiency is a must.

Last mile glitches that impact learning

Resources do not reach the classroom and technical issues affect teaching and learning.

Clever

Today, secure digital learning starts with Clever

Interoperable by design

Connect everything, supported by open education standards

Rostering

SSO

Embraced in the classroom

Easy, secure one-stop-shop for teachers and students

Portal

Badges

Layered security

Designed for the simplest, most secure experience in K-12

IDM

Classroom MFA

Built in security with every connection

- Minimum data sharing philosophy
- Per district isolation and encryption
- Third-party independent security evaluations
- Secure app dashboard logins
- Secure software development lifecycle

→ clever.com/trust

Trusted by **97** of the
top 100 districts

ROSTERING SSO BADGES

Portal for secure digital learning and streamlined rostering

- Lightening fast logins

- Login once, access everything

- Target and share applications with the right users

- Encrypt, control, and secure your data

Clever

IDM

Centralized Identity Management

- Secure, up-to-date accounts
- Save time with automation
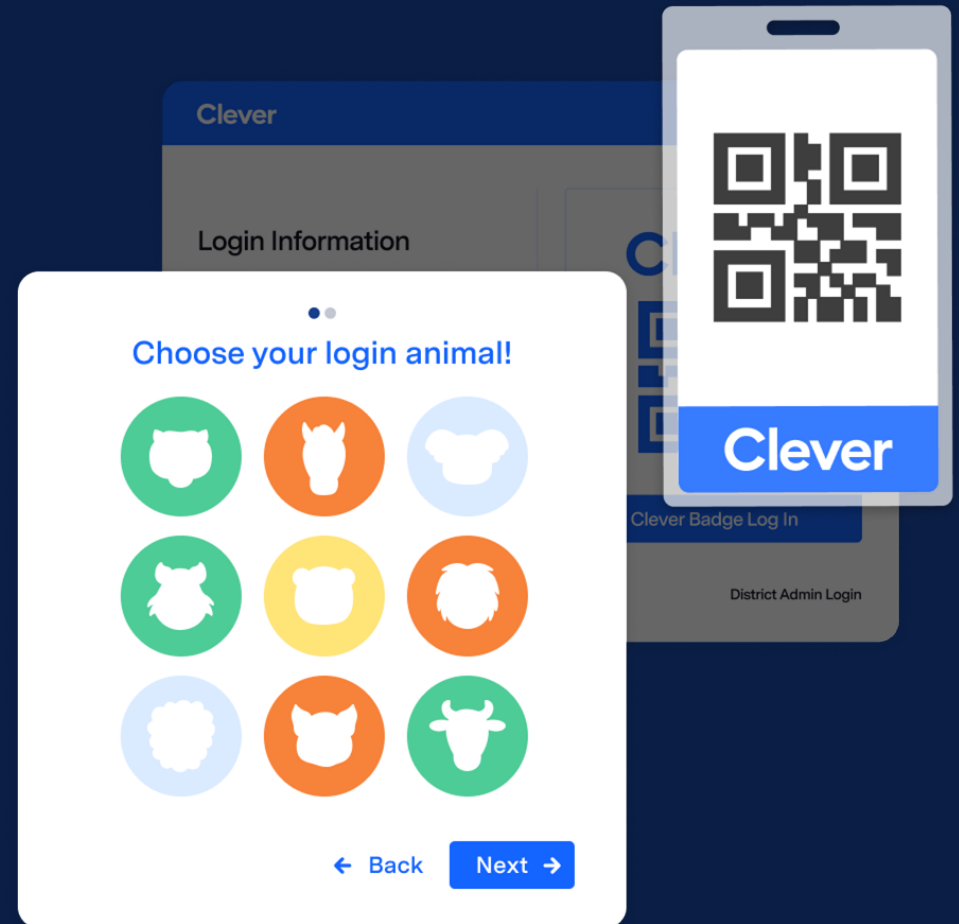- Reduce learning interruptions

Clever IDM

SIS   HRIS

District data

Clever IDM creates and manages accounts

Identity Providers

Clever

Proven to support districts of all sizes!

13

Secure logins designed for the classroom

- Designed to protect against common classroom threats

- Security that doesn't compromise learning

- **No second device required**

Clever

Cybersecure 2024

EXPLORING THE INTERSECTION OF PEOPLE, PARTNERSHIPS, AND TECHNOLOGY IN K-12 CYBERSECURITY

Districts are implementing MFA

But the vast majority have only partially implemented it

Which of the following reflects the implementation status of Multi-Factor Authentication (MFA) in your district?

- Fully implemented across all applications and users (16%)

- Partially implemented or in progress (not all users or applications protected with MFA) (61%)

- Plans to implement MFA in the next 12 months (8%)

- Plans to implement further out (8%)

- No current plans to implement (7%)

7%
8%
8%
16%
61%

Clever
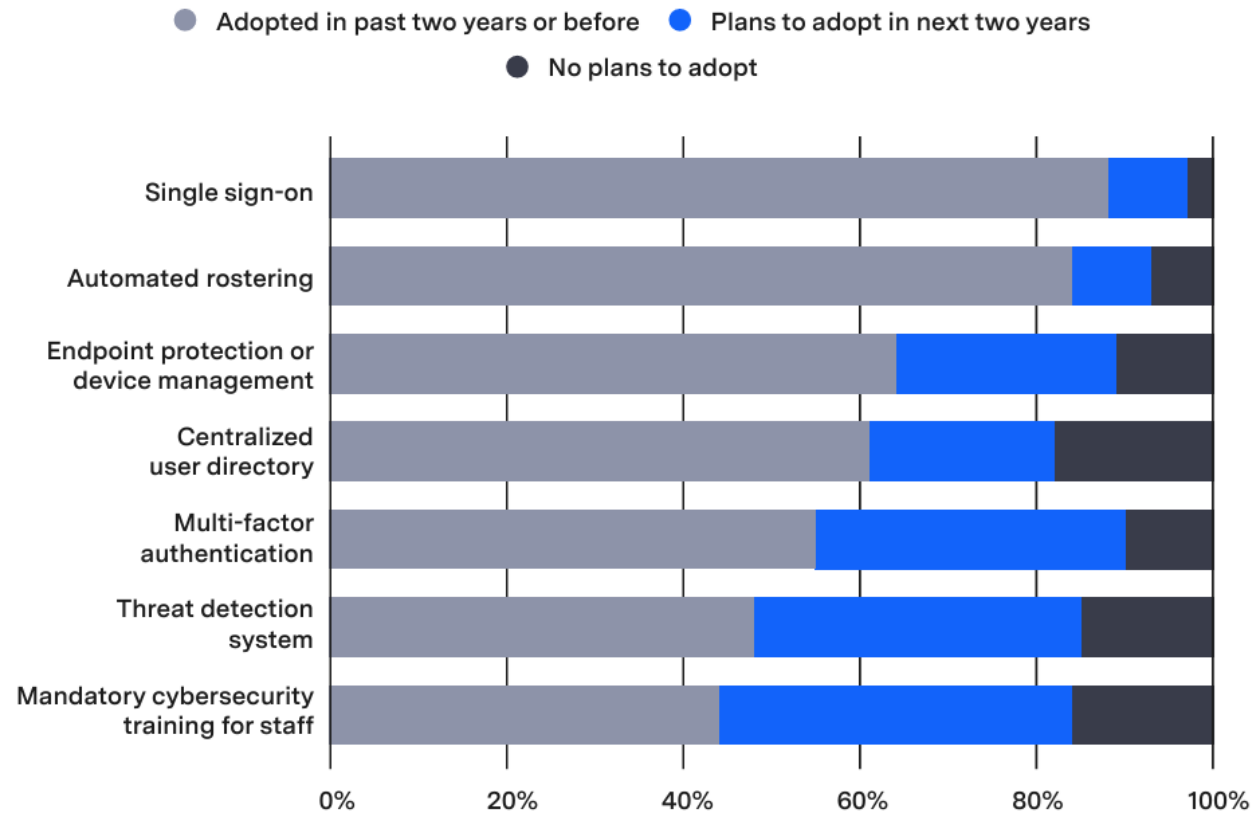
16
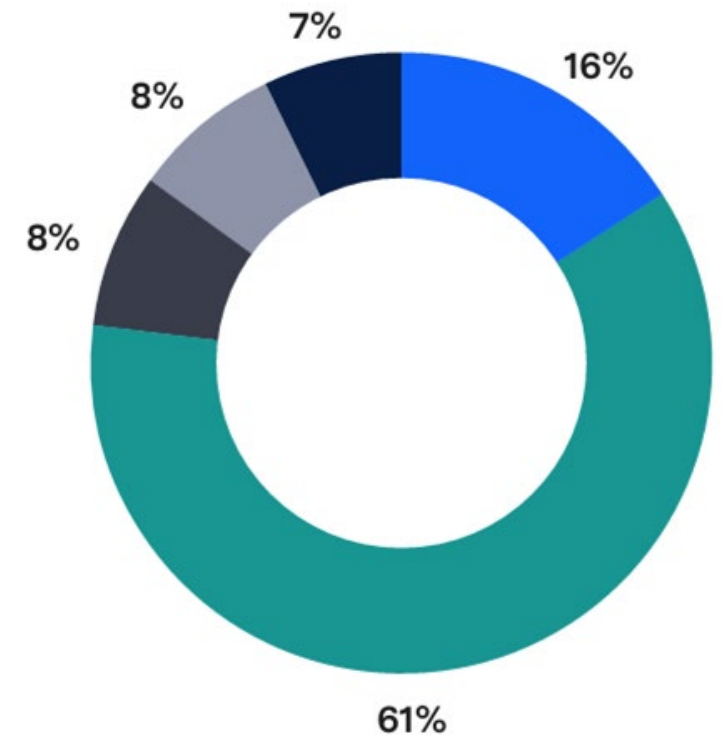
Usability is a top concern

District challenges to MFA adoption include lack of current prioritization (43%), concerns on usability (30%), and resource constraints (23%). For those adopting MFA, mobile apps on personal devices (69%) and SMS text messages (65%) are the favored second-factor methods – which may prove difficult for students.

For which of the following groups is Multi-Factor Authentication (MFA) implemented or planned to be implemented in your district? (Select all that apply)

IT Staff	Teachers	Other school staff (non-teachers)	Students	Parents
95%	80%	75%	30%	2%

Clever

17
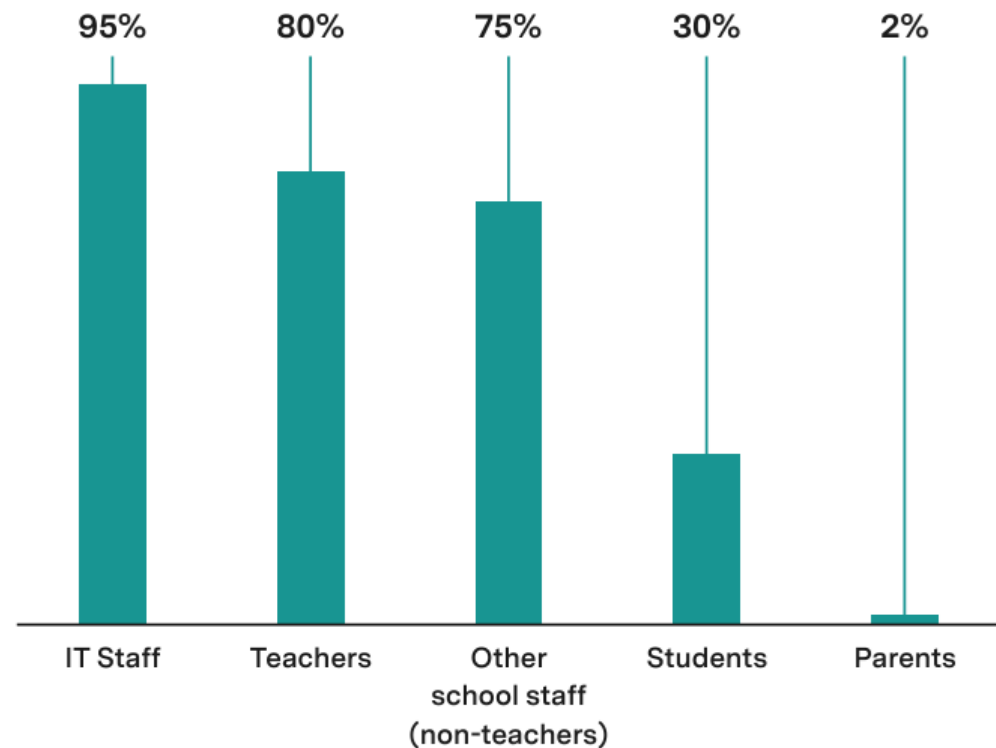
Critical cybersecurity infrastructure progress

Which of the following have you implemented or do you plan to implement, if any?

● Adopted in past two years or before   ● Plans to adopt in next two years   ● No plans to adopt

Single sign-on

Automated rostering

Endpoint protection or device management

Centralized user directory

Multi-factor authentication

Threat detection system

Mandatory cybersecurity training for staff

0%   20%   40%   60%   80%   100%

How to get connected

1. Scan the code to be contacted immediately by a Clever specialist.

2. Connect with us on social!

1. Check out Clever Cybersecure Live sessions.

CYBER SECURE LIVE

Get more from Clever at Cybersecure Live 2024

Don't miss out on a month of virtual sessions designed to elevate your cybersecurity posture

4/2
Security solutions for the Classroom

Discover Clever Identity and Access Management tools for the Classroom.

4/8-10
COSN conference

Join us at COSN to network, join our panel on classroom cybersecurity, and information share with industry colleagues.

4/16
K12 SIX: Balancing Cybersecurity with Learning

This panel webinar, held with K12 SIX, will discuss the key considerations for seamlessly integrating cybersecurity into the classroom experience.

4/22-30
Series of Quick Lessons

Series of 20-minute talks with subject matter experts sharing the latest security solutions, frameworks, and foundational practices to protect your school community.

4/30
CIO Fireside Chat

Fireside chat with Clever leadership discussing current challenges and opportunities in cybersecurity, and how Clever and partners can help K-12 build a strong defense.

Clever

Q&A

Please submit your questions via Zoom console

Clever

K12 SIX Public Resources

- **The K-12 Cyber Incident Map:** https://www.k12six.org/map **and "State of K-12 Cybersecurity: Year in Review" report series** https://www.k12six.org/the-report

- **K12 SIX 'Essentials' Series:** https://www.k12six.org/essentials-series

  - Cybersecurity Frameworks: What K-12 Leaders Need to Know

  - K-12 Essential Cybersecurity Protections Series for 23-24 SY

  - UPDATED: K-12 Cyber Incident Response Runbook v1.1

- **Webinar Series:** https://www.k12six.org/webinars

  - 5/7: "Get to Know K12 SIX"

K12 SIX Wants Your Feedback on Today's Webinar

K12 SIX Webinar Feedback

THANK YOU

Follow the QR code or visit
https://forms.office.com/r/qipifEfkzb

to provide K12 SIX with your feedback on today's webinar.

Questions? Contact us at info@k12six.org