# HINSDALE TOWNSHIP HIGH SCHOOL DISTRICT 86

# Strategic Plan
# Goal 5 Strategy 14

# OUR GOALS AND STRATEGIES

| Goal One | Goal Two | Goal Three | Goal Four | Goal Five |
|---|---|---|---|---|
| **Student Growth and Achievement** | **Learning Environment** | **Work Environment** | **Family and Community Connections** | **Resources** |
| All students are engaged in a rigorous education resulting in college, career, and life readiness | The learning environment promotes student well-being | Systems promote staff engagement, collaboration, innovation, satisfaction, and accountability | Families and the community are engaged as valued partners in the education process | Financial, facility, and technological resources align with District goals strategies and core values |

## Key Performance Measures will be established for all goals and strategies to monitor and report progress.

| High Priority Strategies | High Priority Strategies | High Priority Strategies | High Priority Strategies | High Priority Strategies |
|---|---|---|---|---|
| 1. Course and instructional units include common critical competencies, aligned assessments between the two high schools, and multiple measures of success<br><br>2. Students explore big ideas, leverage technology, make real-world connections, and use authentic ways to demonstrate their knowledge and interests<br><br>3. Students use their individual data to shape decisions about career and life readiness | 4. Optimize the school day and calendar to meet individual student needs and promote student well-being<br><br>5. Students have opportunities for participating in school decisions, engagement, and responsibility for school outcomes<br><br>6. Best practices improve student social and emotional skills, and reduce excessive stress | 7. Staff have new opportunities for engagement and input into critical decisions that lead to improved collaboration, communication, professional development, and system coherence<br><br>8. A meaningful data and information system improves goal setting, analysis, progress monitoring, and reporting of performance across all functions<br><br>9. District 86 and sender K-8 districts collaborate to inform instruction and to develop a pathway linking elementary, middle, and high school experiences | 10. Communication and collaboration with families and the community give them voice and opportunities for engagement and input and create new partnerships, all of which build trust and unity in the District 86 community<br><br>11. Partnerships with the community enhance student vocational, career, and life readiness | 12. Resources are equitably distributed to meet the needs of all students as well as achieve the mission, vision, goals and strategies of the strategic plan<br><br>13. Facilities make both schools equitable and optimal for teaching and learning practices<br><br>14. Infrastructure, accessibility, and safety deficiencies are addressed<br><br>15. A sustainable maintenance and technological infrastructure plan is implemented |

# District 86 Strategic Plan Goal

## High Priority Strategies

### Goal Five

**Resources**

Financial, facility, and technological resources align with District goals strategies and core values

12. Resources are equitably distributed to meet the needs of all students as well as achieve the mission, vision, goals and strategies of the strategic plan

13. Facilities make both schools equitable and optimal for teaching and learning practices

14. Infrastructure, accessibility, and safety deficiencies are addressed

15. A sustainable maintenance and technological infrastructure plan is implemented

# Ransomware & Phishing

- **Ransomware**

  - Type of malicious software designed to block access to a computer system until a sum of money is paid

- **Phishing**

  - Emails designed to trick users into providing personal information

# Public Service Announcement

FEDERAL BUREAU OF INVESTIGATION

**Sep. 13, 2018**

Alert Number

**I-091318-PSA**

Questions regarding this PSA should be directed to your local **FBI Field Office.**

## EDUCATION TECHNOLOGIES: DATA COLLECTION AND UNSECURED SYSTEMS COULD POSE RISKS TO STUDENTS

The FBI is encouraging public awareness of cyber threat concerns related to K-12 students. The US school systems' rapid growth of education technologies (EdTech) and widespread collection of student data could have privacy and safety implications if compromised or exploited.
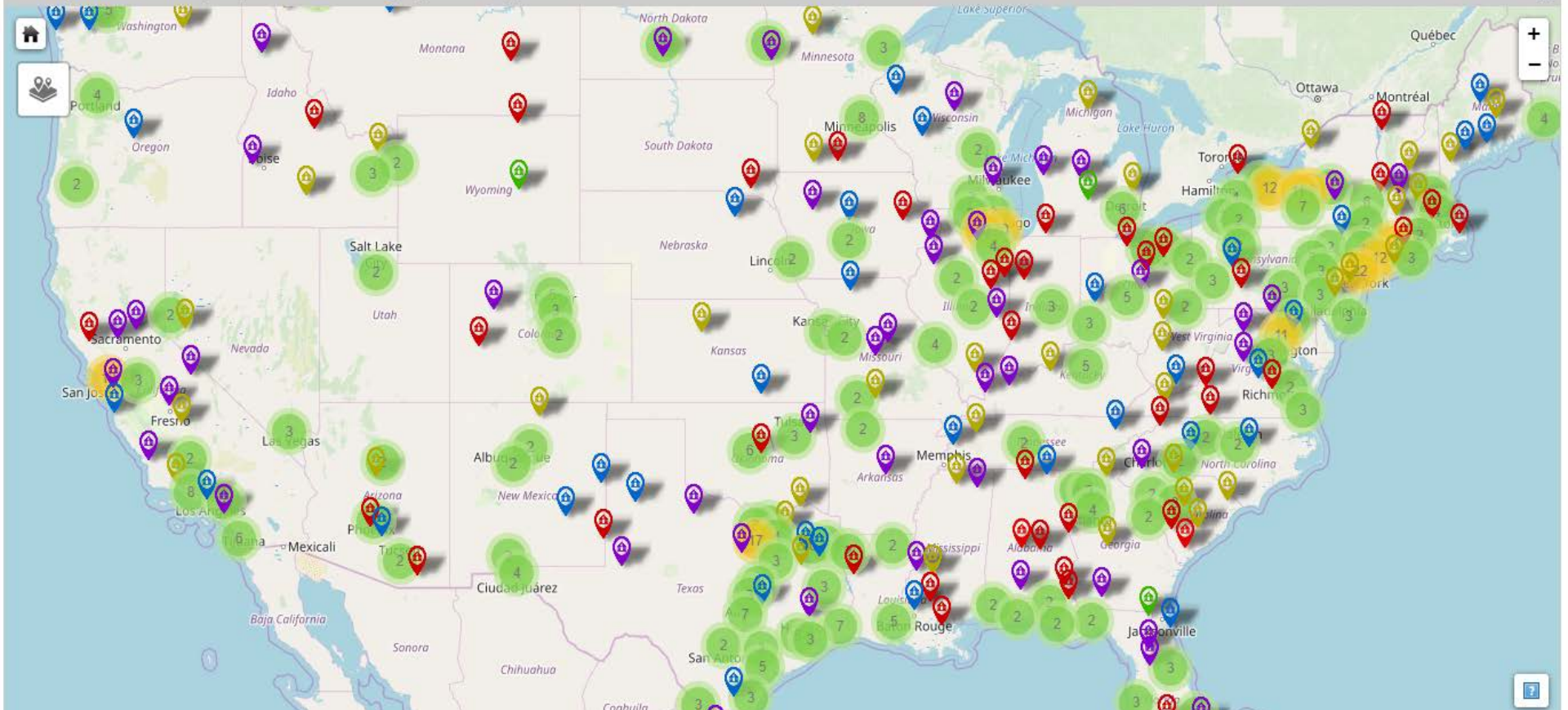
# Attacks Throughout the World
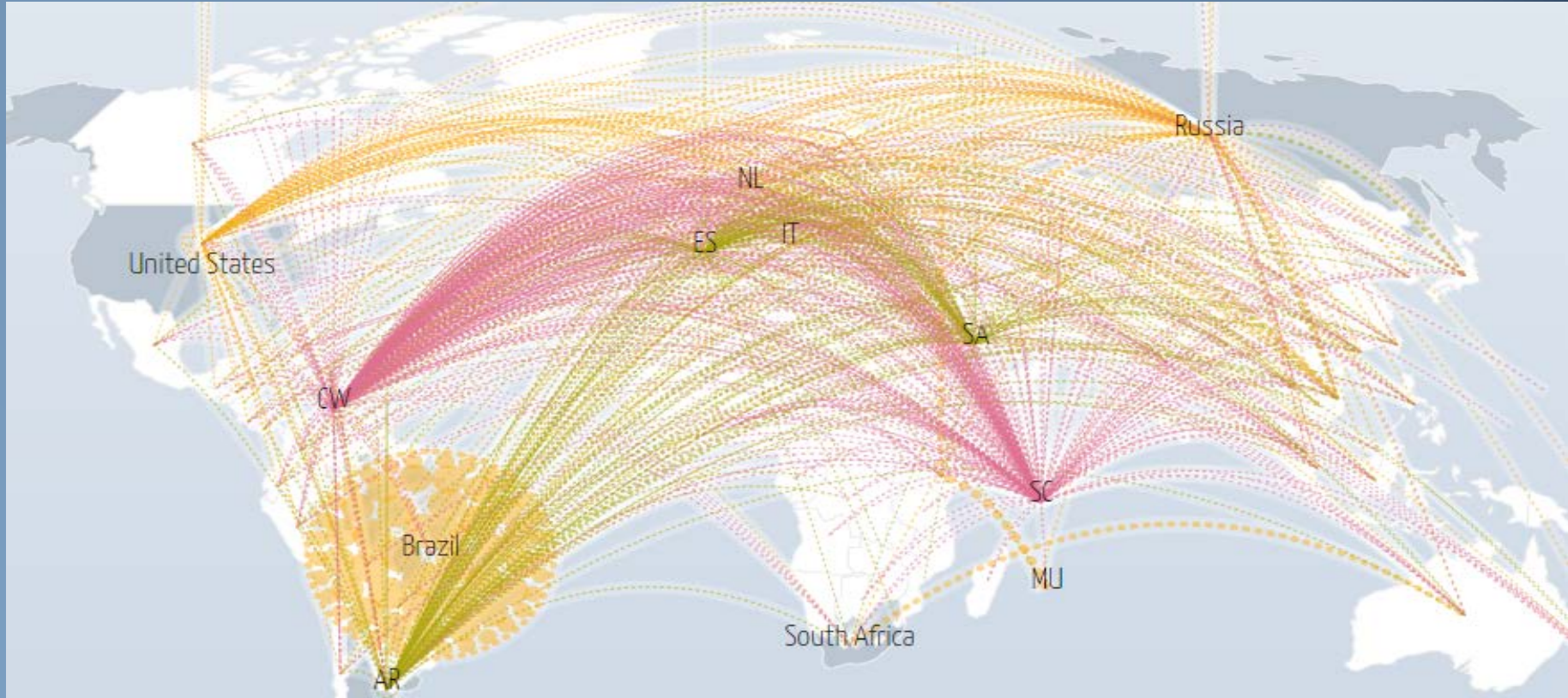
# Incidents in School Districts

# Ransomware & Phishing Attacks

- Ransomware
  - Crystal Lake District 155
  - Sycamore District 427
  - Rockford District 205
  - City of Belvidere

- Phishing

  - Manor ISD Texas - $2.3 million phishing scam

# Pandemic Security

- Uptick in compromised external email accounts

    - More phishing emails and malicious payloads

- Strain on firewalls

    - VPN access and Mitel Mobility

- Zoombombing

    - Primary tool for teachers is Google Meets & BOE Mtgs. is Cisco Webex

    - Note sent to staff immediately to adjust security settings for "screen sharing and "waiting room"

    - Zoom changed default setting for "screen sharing and waiting room" quickly for education customers

# Security Practices

- **Anti-email spoofing**

- **Deprecated Remote Desktop**

- **VPN clients for secure remote access**

- **Endpoint Protection on all computers**

- **Review of permissions**

- **New Datrium Storage Infrastructure Immutable to Ransomware**

# Security Practices

CAUTION: This email originated from outside of the Hinsdale D86 System. Do not click links or open attachments unless you recognize the sender's email and know the content is safe.

# Security Practices

- **Regular review of firewall logs**

| Name | Hits |
| --- | --- |
| RDP Brute Force Login | 11866 |
| DNS Microsoft DNS Server Denial of Service | 2685 |

# Security Practices

- **Information Security Policy & Incident Response Plan**

- **Regular Password Changes**

  - **Self-Service Password Portal**

- **Timeout settings on computers**

- **Cybersecurity Awareness Training**
  - **Phishing**
    - **https://phishingquiz.withgoogle.com**
  - **Ransomware**
  - **Secure Passwords**
  - **Online Privacy**

# Security Practices

- **Review MS-ISAC – Center for Internet Security Advisories**

- **Regular Agenda Item**

  - **Operation's Cabinet**

  - **Tech Team Meetings**

    - **Table top exercises**

- **Review all software agreements**

# Next Steps

- **Next Generation Firewall**

  - **Block malicious activity on computers and switch ports**

  - **Intrusion Detection and Prevention**

- **Network Access Control**

  - **Captive portal for wireless access**

- **Review email security solutions**

- **Review Security Information Event Management solutions**

# Next Steps

- **Two-Factor Authentication**

  - **Implemented with next release of Infinite Visions**

  - **Implement for email in the upcoming school year**

- **Department of Homeland Security Assessments**

  - **Risk & Preparedness Assessment**

  - **Vulnerability scanning**

  - **Phishing Campaign**

# House Bills

- **Illinois SB3518** – This bill creates the Technology, Education, and Cybersecurity Fund which may be used by the Department of Innovation and Technology to promote and effectuate information technology activities.

- **Illinois HJ108** - This house joint resolution urges the Illinois State Board of Education, by the 2020-2021 school year, to establish a P-12 Cyber Threat Response Team within the State Board of Education.

- **Illinois HB5398** - This bill creates the Illinois Cyber Reserve which would be administered by the Illinois Emergency Management Agency, and would deploy volunteers upon the occurrence of a cybersecurity incident.

# Helping K-12

- **Cybersecurity Internship**

  - **Shortfall of 314,000 professionals**

- **Consortium for School Networking**

  - **Cybersecurity Advisory Committee**

## How K–12 School Districts Push Back Against Hackers

With cyberattacks on the rise, K–12 district IT teams are fighting back to keep sensitive information and networks safe.

86Forward

HINSDALE TOWNSHIP HIGH SCHOOL DISTRICT

Defining excellence.