

SPELL JIF 2020 - Cyber A Priority

Wednesday, July 29th at 9:00 am EST (40 min presentation, 15 min Q&A).

Topic 1:

9:00am - 10:15am: Three C's of Cyber - Claims, Covid-19 & Change

Join a conversation with district leadership teams as they share how their cyber events forced significant change in the way they manage their digital worlds. (CLICK HERE FOR MORE DETAILS)

Three C's of Cyber Claims, COVID-19 & Change

Cherry Hill Public School's Perspective on
Cyber Security before & during COVID-19

Who We Are

Lynn Shugars
Assistant Superintendent, Business/Board Secretary
lshugars@chclc.org

Marc Plevinsky
Assistant Director of Technology
mplevinsky@chclc.org



Cherry Hill Public Schools

11,400 students district wide

19 schools (1 PreK, 12 ES, 3 MS, 3 HS)

White: 59%

Asian: 17%

Hispanic: 12%

African American: 8%

Two or More Races: 4%

Technology Overview

11000+ Chromebooks

3000+ PCs

Staff 1:1 Implemented in 2018

Student 1:1 Classroom Initiative 2019

90+ On Prem Servers (Physical and VM)

Technology Staff

15 Technology Staff Members

8 Building Technicians

The Journey



Where we started

- Disaster Recovery
- Backup
- DR Plan
- Hurricane Sandy



A Question of WHEN not IF

- This is a new breed of “Malware”
- Anti-Virus is only part of the toolkit
- If you have users on a computer, you are a Target
- If you have EMAIL you are a Target
- School Districts are a Target

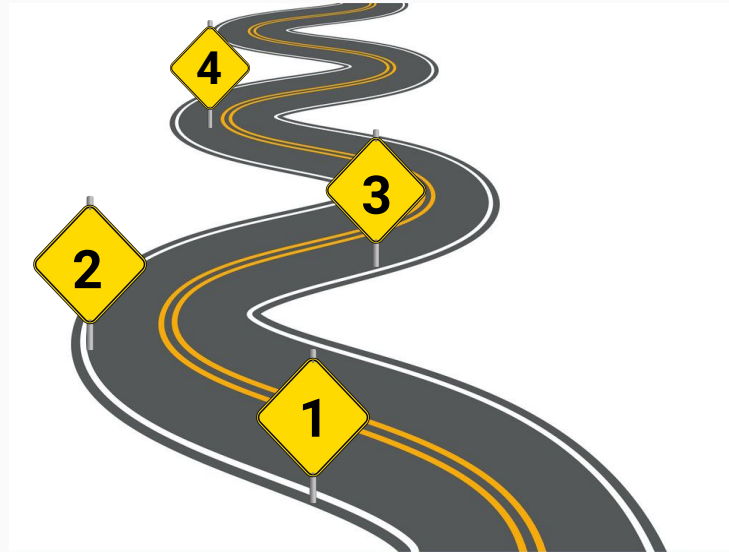
The Incident



- Discovered Early AM
- Systems Unavailable
- No email
- School remained in session

Responding to the Incident

- **Step 1:** Assessing what happened
Internally Communicating
- **Step 2:** Notifying appropriate authorities
(Local Law Enforcement, NJCCIC, FBI)
- **Step 3:** Engage with Cyber Insurance
provider
- **Step 4:** 3rd party forensic/remediation
company
- **Step 5:** Rebuild of infrastructure



Going Forward

- Internal Communication with stakeholders
- Board of Education Communication
- External Communication with Community
 - Active Investigation
 - Assurance of what occurred
- Document Your Process & Costs associated
- Time to Recover

Lessons Learned

- What can we do better?
- What tools do we need? - EDR Software
- How much is it going to cost?
- What Insurance do we have? How do we reach them?
- Backup, Backup, Backup
- Identity / Passwords / 2 Factor Authentication
- Is the Cloud where we need to go?

Questions



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March 2020 -- COVID

- Changes to our Future IT Projects Expedited
 - Cloud Storage
- Remote Access to apps - VPN/Virtual Desktops
- Continued need for EDR Security, not behind District Firewall