Texas K-12 CTO Council
2019 Fall Technical Summit

In this corner, we have firewalls, encryption, antivirus software, etc. And in this corner, we have Dave!!
Information Security Program

• Texas CSF (now 46 controls)
Information Security Program
(aka “where can we start?!?”)

CIS Top 6 (“Basic Controls”)

– Inventory and Control of Hardware Assets
– Inventory and Control of Software Assets
– Continuous Vulnerability Management
– **Controlled Use of Administrative Privileges**
– Secure Configuration for Hardware and Software on Mobile Devices, Laptops, Workstations and Servers
– Maintenance, Monitoring and Analysis of Audit Logs
Identity Management

I changed all my passwords to "incorrect".

So whenever I forget, it will tell me "Your password is incorrect."
Public Information, Social Media, Phishing & Ransomware

The location of our Bat Cave is meant to be secret, so STOP CHECKING IN!

I have a new hobby. It's called phishing.

I send fake banking e-mails to gullible executives. Then I find out their financial information and use it to steal the money they don't deserve.

Dear Customer,
This is your bank. We forgot your social security number and password. Why don’t you send them to us so we can protect your money.

Sincerely,
J. B. Banker

Looks legit.
(Cyber) Incident Handling

- Do you have an Incident Response Plan? Have you tested it recently? (seriously, have you?)
- Communications Plan
  - Who do you communicate with & when?
  - When do you communicate with the public & what do you say?
- Who is on the Team?
  - Civilian vs Law Enforcement (evidence preservation / forensics)
- Do you have cyber insurance?
- Do you have trusted partner(s) with the necessary skills to help recover?
Data Protection & Privacy

• Who has your data and who do you share it with?
  – Key provisions:
    • Encryption (in-flight & at-rest)
    • Data destruction
    • Data sharing/usage (how is it de-identified?)
    • Breach Notifications (to you and affected parties)
    • Audits (3rd party and/or right to conduct*)
    • 3rd Party Partner employee infosec training and awareness
Privacy and SSN

**Texas State Law**
Sec. 11.1514. SOCIAL SECURITY NUMBERS.
The board of trustees of an independent school district shall adopt a policy prohibiting the use of the social security number of an employee of the district as an employee identifier other than for tax purposes.
http://www.statutes.legis.state.tx.us/Docs/ED/htm/ED.11.htm

**FBISD Board Policy <<DC (Legal)>>**
TAX IDENTIFIER
The Board shall adopt a policy prohibiting the use of social security numbers as employee identifiers other than for tax purposes [see SOCIAL SECURITY NUMBERS, below]. Education Code 11.1514
InfoSec Training and Awareness

- Staff Training
  - Privacy
  - Cyber Hygiene
  - Where, When and How to report issues

- Student Education
  - Basic digital citizenship
  - Ethics
  - Cyber Hygiene
Houston InfraGard

https://www.infragard.org/

EdSIG has bi-monthly in person meetings (**lunch**) frequent bulletin/alert distribution K-12 and Higher Education focus

Free to join. Must be 18, a US citizen and pass a minimal background check:

https://www.infragard.org/Application/General/NewApplication
Additional Sources

Texas Gateway - Cybersecurity Tips and Tools
https://www.texasgateway.org/resource/cybersecurity-tips-and-tools

Multi-State Information Sharing and Analysis Center
https://www.cisecurity.org/ms-isac/

Department of Homeland Security
https://www.dhs.gov/

Computer Emergency Readiness Team
https://www.us-cert.gov/
Thank You!

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