CYBERSECURITY
WHERE TO FOCUS.

Teachers and School Administrators in Nebraska need to understand how they interact with technology impacts cybersecurity, not only in the classroom but also within their personal lives outside the classroom. As we adopt more technology to engage learning, we must focus on security as part of a comprehensive cyber hygiene program.

Cyber Awareness and Training - Train staff and students how to identify what a phishing email looks like and how to report it.

Utilize Multifactor Authentication (MFA) - MFA is the easiest way to mitigate account compromises.

Least Privilege- Only necessary personnel should have administrative privilege to machines.

Strong Passwords- Ensure that staff and students are using strong passwords. When it comes to passwords the more entropy the better.

Patch Systems and Software- Ensure that patches are being applied and systems are kept up to date. Systems that are kept up to date are less vulnerable to attack.

Monitor Devices on the network- Know how many devices are on the network on a typical school day and what those devices are.

Security and Privacy Settings- Ensure that security and privacy are being set on new devices. Consider implementing software to ensure that critical settings are controlled from an administrative level.

Backup systems – Have a strategy to backup important systems where data is stored.

Endpoint Solution- Deploy an endpoint detection and response solution.

Firewall – Use a good firewall and keep it updated. Learn to use the features of it to your advantage.

408 Cyberattacks on schools in 2020

44 Ransomware attacks on schools so far in 2021

81% of data breaches are caused by credential theft

99.9% of breaches caused by credential theft can be mitigated by enabling multifactor authentication

Microsoft reports seeing 300,000,000 fraudulent login at-tempts daily

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