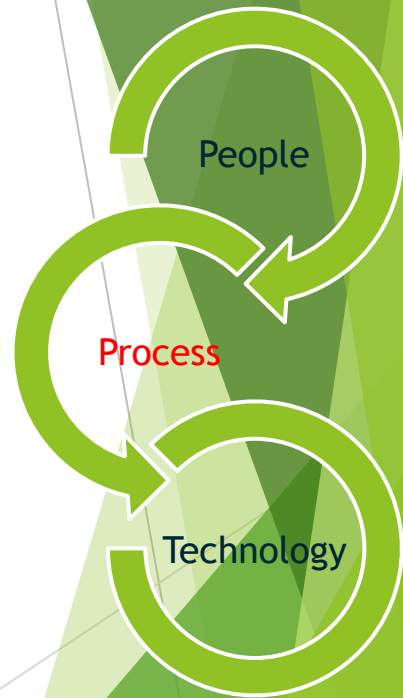
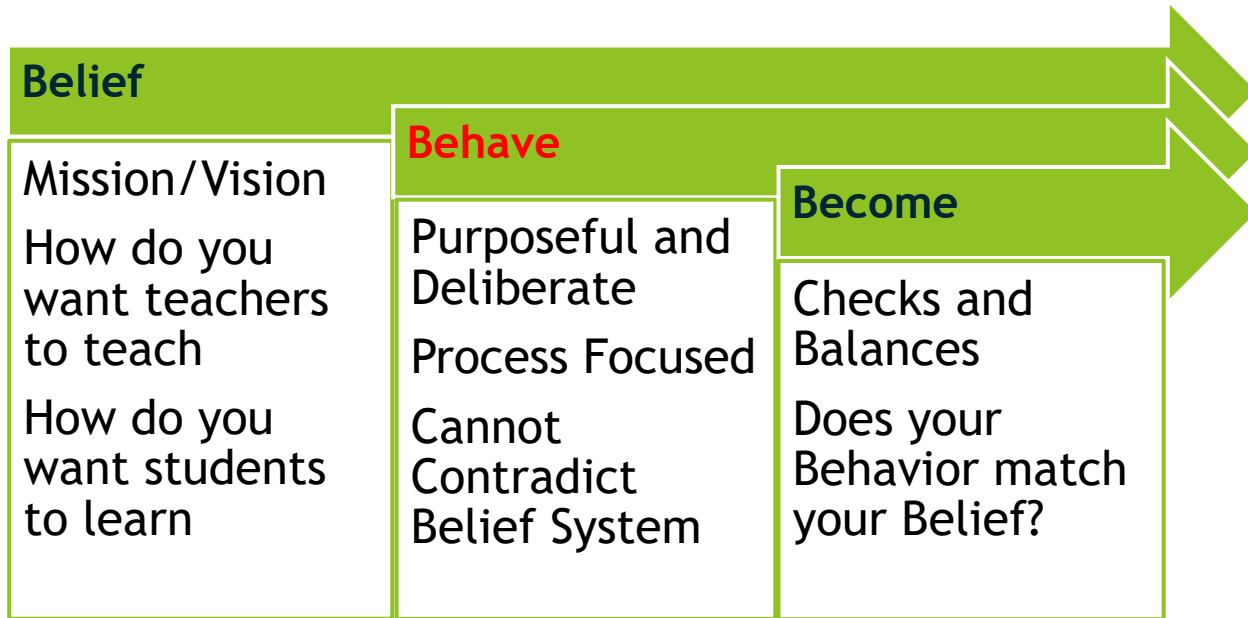


Oklahoma Data Privacy Alliance - Security Minded EdTech Process

Jun Kim
Director of Technology

Closed captioning is autogenerated.

Data Security Mindset





What is the first thing you
worry about when you think
about going to the ocean?



1:250,000,000



1:112,000,000



What is the first thing you
worried about when you got
your current position?

News & Features

In Columbia Falls, A Shaker
District Moves Forward
Threats

Superintendent

Oklahoma Gov

K-12 EDUCATION

Norman Schools Isolate Desktops, Laptops After Cyber Attack

An Oklahoma school district is advising students that their Google accounts and some handheld devices are safe, but they should not use district-issued desktops or laptops due to a ransomware attack last week.

data breach

Thursday, August 1st 2019, 4:12 PM CDT

Updated: Thursday, August 1st 2019, 10:14 PM CDT

Dell Cameron—Apr 20 at 10:11AM | Last updated Apr 20

By: Justin Shrair

ADVERT

Conne

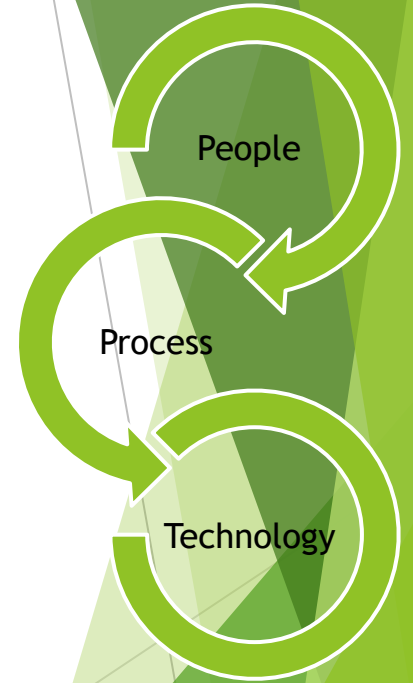
attack

Arrow Schools Victim Of Ransom-

Schoolville, a student data warehouse

Security Threats

- Instructional Resources
- Free Websites
- Response to Phishing emails
- Workstation Unlocked
- Weak Passwords
- Human Error



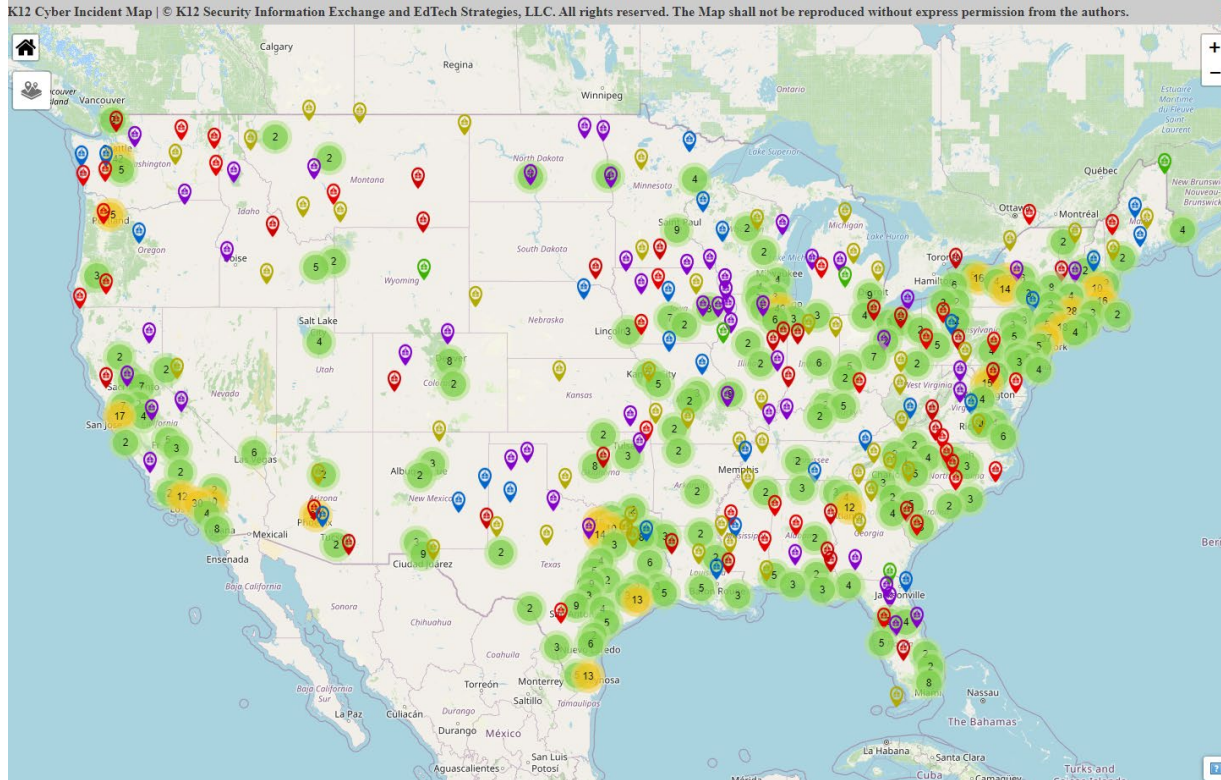
2017 US Education Data Breach Stats

According to the Identify Theft Resources Center

- ↴ 2017 - 128 education data breaches exposing 1,418,455 records
- ↴ 2018 - 76 education data beaches exposing 1,408,670
- ↴ So far in 2019, there have been 104 breaches exposing 2,248,578 records.

<https://www.idtheftcenter.org/10000-breaches-later-top-five-education-data-breaches/#:~:text=According%20to%20the%20ITRC's%202018,104%20breaches%20exposing%202%2C248%2C578%20records.>

1331 K-12 Cyber Incidents since January 2016



<https://k12cybersecure.com/k-12incidentmap/fullscreen/1/>

From Data Security to Data Governance



Data Privacy Regulation

- Federal Trade Commission
- US Department of Education
- State Regulation
- District Policy



Da LAW!

The district shall abide by any law, statutory, regulatory, or contractual obligations affecting its data systems, acts including, but not limited to, the following:

COPPA: FERPA: HIPAA: PPRA: CIPA:

OK House Bill 1989: Student Data Accessibility, Transparency and Accountability Act (Student DATA Act) establishes procedures and safeguards for the collection and use of student data by public schools.

OK Statutes Title 70, Section 6-115 - Information Concerning Pupil makes it illegal and a possible misdemeanor charge for teachers to reveal any student information except as may be required in the performance of their duties or by law.

OK House Bill 2618 - Personally Identifiable Information ACT relating to state government websites of public bodies where by whereby state agencies are required indicate on a publicly accessible website, how Personally Identifiable Information, PII, 1) information is used or collected, 2) how it is stored, 3) and how it is shared by the agency.

Da Other Laws!

General Data Protection Regulation (GDPR) – EU Law

Security Breach Notification Act was codified in 2008 (HB 2245).

Okla. Stat. § 74 -3113.1 was codified in 2014 and Oklahoma constitution and statues were last updated in Nov of 2021. [OKLAHOMA STATUTES \(oklegislature.gov\)](https://www.oklegislature.gov)

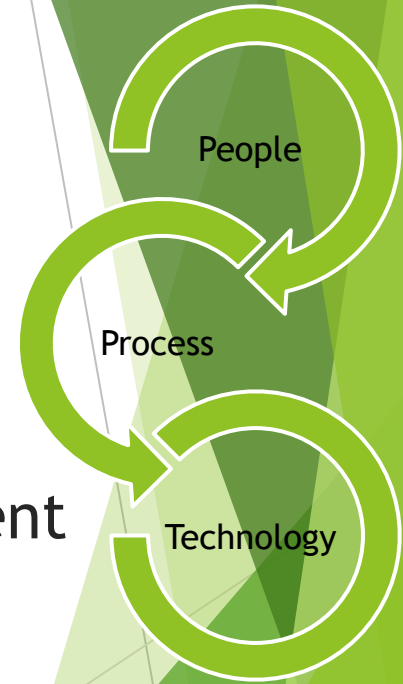
Gramm-Leach-Bliley Act | Federal Trade Commission

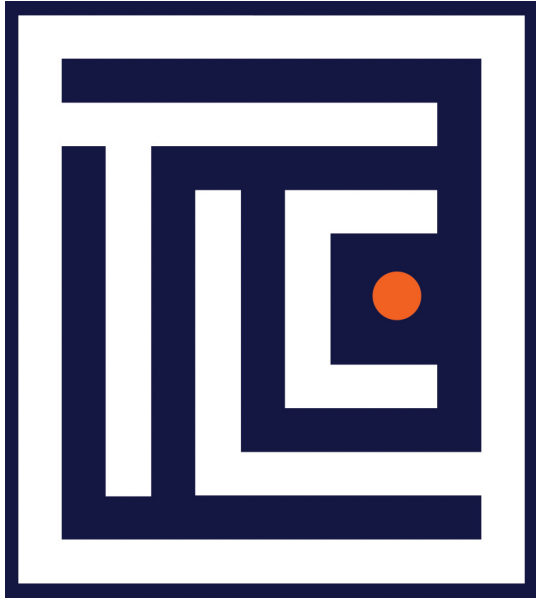
PCI DSS: The Payment Card Industry Data Security Standard. It covers the management of payment card data and is relevant for any organization that accepts credit card payments.

So What, Now What!

Policy Reinforcement

- ↴ Policy Alignment with organizational goals
- ↴ Enforceable to internal stakeholders
- ↴ Comprehensive but not apprehensive
- ↴ Adaptable and in constant state of improvement
- ↴ Adopt what works and is feasible





TRUSTED LEARNING ENVIRONMENT
VALID UNTIL 8/2018





Trusted Learning Environment

5 Core Practice Areas

Leadership

Business

**Data
Security**

Classroom

**Professional
Development**

25 Practices

TLE Practice Areas

- ↓ **Leadership:** manage and collaborate with stakeholders regarding the use and governance of student data to inform instruction
- ↓ **Business:** establish acquisition vetting processes and contracts that, at minimum, address applicable compliance laws while supporting innovation

TLE Practice Areas

- ↓ **Data Security:** perform regular audits of data privacy and security practices and publicly detail these measures
- ↓ **Professional Development:** require school staff to conduct privacy and security training, and offer the instruction to all stakeholders

TLE Practice Areas

- ↓ **Classroom:** implement educational procedures and processes to ensure transparency while advancing curricular goals

Getting Started

- Know where you are
- Act where you can
 - Policies
 - Process
 - Training
- Be transparent with your community



How Secure is Your Student Data?



Leadership

Leadership Practices

- ↴ The deliberations and decisions of school system leaders reflect an understanding of data privacy and security.
- ↴ The school system has up to date policies and regulations addressing data privacy compliance requirements.

Leadership Practices

- ↴ The school system's policies and regulations set clear expectations for the protection of student data privacy and security, as well as the transparent use of data.
- ↴ A school system executive leader is identified as the person responsible for development and implementation of data privacy and security policies and practices.

Leadership Practices

- ↴ School system leaders provide transparent, updated and accessible communications regarding the collection, management and use of student data to their community.
- ↴ School system leaders ensure adequate resources are available to meet data privacy and security needs.



Business (Operations)

Business Practices

- ↴ The school system has implemented a process for vetting online services for data privacy and security.
- ↴ The school system regularly educates its employees about the importance of, and expectations for, the use of the established vetting process for online services.

Business Practices

- ↴ The school system implements contract language and data sharing agreements addressing student data privacy and data security.
- ↴ The school system ensures that all business processes associated with student data include enforceable data privacy and security requirements.

Contract Language

- ↴ Ownership
- ↴ Liability
- ↴ Cybersecurity & Malware Insurance
- ↴ Data Breach
- ↴ Stored in US
- ↴ Data Inventory
- ↴ Limit access & background checks
- ↴ Secure data
- ↴ No marketing
- ↴ Data destruction



Data Security

Data Security Practices

- ↓ The school system data privacy and security procedures includes information about data retention periods for student records, data transmission technical protocols, data at-rest and methods and controls limiting access to electronic data.

Data Security Practices

- ↴ The school system website includes its data privacy and security policies and practices which are updated as-needed, but at least on an annual basis.
- ↴ The school system utilizes a documented, role-based process when granting access rights to educators, staff, and contractors to data and technology systems.

Data Security Practices

- ↴ The school system has enforceable policies regarding storage of data on local computers, mobile devices, storage devices and cloud file-sharing and storage services.
- ↴ The school system performs an audit of data privacy and security practices on an established, regular basis.

Data Security Practices

- ↴ The school system has a process in place to communicate data incidents to appropriate stakeholders, in accordance with state law and school system policies.
- ↴ The school system has a business continuity and disaster recovery plan which is verified and tested on an established, regular basis.



Professional Development

Professional Development Practices

- ↓ Privacy and security of student data is embedded into training and professional development in all areas of school operations and academics.
- ↓ All staff members participate in annual student data privacy training related to applicable federal and/or state laws.

Professional Development Practices

- ↴ The school system provides employees with up-to-date, easily accessible resources and documented processes, including exemplars and templates that facilitate student data privacy and security.
- ↴ Parents are offered appropriate awareness training and resources about student data privacy and security.

Training Insights

- ↴ Use a variety of formats
- ↴ Peer pressure/ influence
- ↴ Keep it relevant
- ↴ Be creative



The Classroom

Classroom Practices

- ↓ Teachers implement a curriculum to promote student information literacy, digital citizenship and Internet safety.
- ↓ Teachers model appropriate use and protection of student data for their students.

Classroom Practices

- ↴ Teacher communications to parents include clear information about the collection, use and protection of student data.
- ↴ Teachers are aware of and regularly use the school system's established process for vetting and procuring online services.

So What, Now What!



Student Data Privacy Roadmap

A tool to guide local educational agencies on their journey to student data privacy compliance.

