Cypress-Fairbanks ISD
Trusted Learning Environment

Workshop – March 7, 2018

Secondary Curriculum Coordinators

Privacy and Security Concerns

School System Leaders Are Concerned

- According to the results of the 2017 Consortium of School Networking (CoSN) Leadership Survey, **61%** of technology leaders identified privacy and security as a primary concern.

Parents Are Concerned

- In the 2016 Future of Privacy Forum survey results, **84%** of parents are concerned that their child's electronic education records could be hacked or stolen.

Incidents Are On the Rise By 100%

- Since 2016, hundreds of K–12 schools and districts experienced one or more publicly disclosed cyber incidents.

School District Must Take Action

- In 2016, an audit of some 1,200 web-based education software products by the nonprofit Common Sense Education found that nearly half the offerings didn't automatically encrypt student data.

Privacy and Security Concerns

- "If our student data is hacked, it might just be a test score, but it could also be their Social Security number, or their disability information," she said. "It can impact them for the rest of their lives."

Melissa Tebbenkamp,
Director of Instructional Technology,
Raytown School District

- "The first line of defense in protecting student privacy are our teachers, and we're not making sure that they have the tools to keep that data safe,"
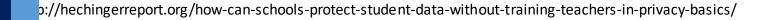
Amelia Vance,
Policy Counsel
Future of Privacy Forum

TLE TRUSTED
LEARNING ENVIRONMENT

Legislative Focus

- According to Data Quality Campaign, since 2013,
  - state legislatures have considered about 400 student data privacy bills
  - state legislatures have passed more than 70 into law
- Texas passed HB 2087, in effect September 1, 2017
  - Relating to restricting the use of covered information, including student personally identifiable information, by an operator of a website, online service, online application, or mobile application for a school purpose.
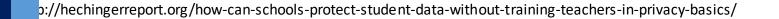
Data Privacy Training Needed

- Schools should target common missteps, such as recycling passwords or working with sensitive information on an unsecured Wi-Fi network.

- Ensure every teacher knows the basics of privacy laws, such as the Children's Online Privacy Protection Act, which requires parental consent for any web service collecting "personally identifiable information" of children under 13, including photographs and voice recordings.

- Train teachers to clearly inform parents about what student information their classroom technology will use and why.

Amelia Vance, Policy Counsel
Future of Privacy Forum

Districts should ask. . .

- "Before any bits get passed anywhere, educators should be trained to ask, 'Does this data need to be collected to help students learn?' If so, 'How is it going to be protected?' "
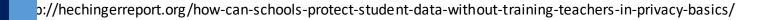
Bill Fitzgerald
Privacy Initiative Director
Common Sense Education

Student Data Privacy Consortium

- In the past four years, a dozen states, have joined Cambridge Public Schools in the Student Data Privacy Consortium.

- Requiring the same contractual privacy protections from their software vendors.

- Consortium keeps a searchable database of ed-tech software being used by partner districts, including the specific types of data being collected and stored.

- Texas has joined

- Cypress-Fairbanks is actively using their membership

What is Cypress-Fairbanks ISD doing to meet the need?

- CyberSecurity Specialist is now on staff – James Costello

- Evidence is being gathered and updated to apply for the Trusted Learning Environment Seal in March, 2018.

- A Member of the Student Data Privacy Alliance

- Active in the state initiatives with Student Data Privacy and Trusted Learning Environment groups

- Enlisted the support of Steve Smith, leading Data Privacy expert and Cambridge Public Schools CIO

- Software purchased for Training – KnowBe4

- Members of Infragard and MS-ISAC

- Utilizing multiple resources such as "Living Life Online" from the FTC

KnowBe4

- KnowBe4 purchased

- Phishing baseline administered November

- Training plans(campaigns) are in development

- Technology training is in process

- March, 2018 – Administrative training will begin

Trusted Learning Environment Developed

- Started as an initiative of CoSN (the Consortium for School Networking), in partnership with AASA, the School Superintendents Association, the Association of School Business Officials International (ASBO), and ASCD.

- July, 2015 – Characteristics of a Trusted Learning Environment identified by 28 diverse school system from across the country.

- September, 2015 – CoSN asked 50 technology leaders to validate the identified Trusted Learning Environment practices in 5 areas
    - Leadership
    - Business
    - Data Security
    - Classroom
    - Professional Development

- The TLE Seal is the **only** data privacy seal for school systems, focused on building a culture of trust and transparency.

Trusted Learning Environment Recipients

- Butler County Schools (AL)
- Cambridge Public Schools (MA)
- Denver Public Schools (CO)
- Fulton County Schools (GA)
- Lewisville Independent School District (TX)
- Miami-Dade County Public Schools (FL)
- Raytown Quality Schools (MO)
- Baltimore County Public Schools (MD)
- Highland Local Schools (OH)
- Park Hill Schools District (MO)
- Round Rock ISD (TX)
- Zionsville Community Schools (IN)

- About 100 districts applied in 2016
- 7 were awarded in 2016
- 5 were awarded in 2017

Trusted Learning Environment (TLE) Seal Practice Areas

Leadership Practice: manage and collaborate with stakeholders regarding the use and governance of student data to inform instruction

Classroom Practice: implement educational procedures and processes to ensure transparency while advancing curricular goals

Data Security Practice: perform regular audits of data privacy and security practices and publicly detail these measures

Business Practice: establish acquisition vetting processes and contracts that, at minimum, address applicable compliance laws while supporting innovation

Professional Development Practice: requires school staff to conduct privacy and security training and offer the instruction to all stakeholders

Current Status

Area	#	Practice	Evidence Code	Narrative
Leadership	1	The deliberations and decisions of school system leaders reflect an understanding of data privacy and security.	🟩	Update in progress
	2	The school system has up to date policies and regulations addressing data privacy compliance requirements.	🟩	Update in progress
	3	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.	🟩	Update in progress
	4	A school system executive leader is identified as the person responsible for development and implementation of data privacy and security policies and practices.	🟩	Update in progress
	5	School system leaders provide transparent, updated and accessible communications regarding the collection, management and use of student data to their community.	🟩	Update in progress
	6	School system leaders ensure adequate resources are available to meet data privacy and security needs.	🟩	Update in progress
Business	7	The school system has implemented a process for vetting online services for data privacy and security.	🟧	Update in progress
	8	The school system regularly educates its employees about the importance of, and expectations for, the use of the established vetting process for online services.	🟩	Update in progress
	9	The school system implements contract language and data sharing agreements addressing student data privacy and data security.	🟩	Update in progress
	10	The school system ensures that all business processes associated with student data include enforceable data privacy and security requirements.	🟨	Incomplete

Current Status

Area	#	Practice	Evidence Code	Narrative
Data Security	11	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.	🟩	Incomplete
	12	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.	🟩	Incomplete
	13	The school system has enforceable policies regarding storage of data on local computers, mobile devices, storage devices and cloud file-sharing and storage services.	🟨	Incomplete
	14	The school system utilizes a documented, role-based process when granting access rights to educators, staff, and contractors to data and technology systems.	🟩	Update in progress
	15	The school system has a process in place to communicate data incidents to appropriate stakeholders, in accordance with state law and school system policies.	🟩	Update in progress
	16	The school system has a business continuity and disaster recovery plan which is verified and tested on an established, regular basis.	🟧	Update in progress
	17	The school system performs an audit of data privacy and security practices on an established, regular basis.	🟨	Update in progress
Professional Development	18	Privacy and security of student data is embedded into training and professional development in all areas of school operations and academics.	🟩	Update in progress
	19	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.	🟩	Update in progress
	20	Parents are offered awareness training and resources about student data privacy and security.	🟨	Update in progress
	21	All staff members participate in annual student data privacy training related to applicable federal and/or state laws.	🟩	Update in progress

Current Status

Area	#	Practice	Evidence Code	Narrative
Classroom	22	Teachers implement a curriculum to promote student information literacy, digital citizenship and Internet safety.	🟩	Update in progress
	23	Teachers are aware of and regularly use the school system's established process for vetting and procuring online services.	🟧	Update in progress
	24	Teachers model appropriate use and protection of student data for their students.	🟩	Update in progress
	25	Teacher communications to parents include clear information about the collection, use and protection of student data.	🟧	Update in progress

Cypress-Fairbanks ISD Timeline

Task	Start	Finish	Status
Trusted Learning Environment (TLE) Application Timeline	07/01/17	04/30/18	Ongoing
Form State-wide Leadership Advisory Focus Group for TLE	07/01/17	08/02/17	Completed
Research the Requirements and Process to apply for the TLE Seal	08/01/17	08/25/17	Completed
Introduce TLE Program to Internet Content Filtering Management Governance Committee	11/02/17	11/02/17	Completed
Gather and Create Artifacts and Evidence for the 5TLE Practice Areas	11/06/17	02/28/18	Ongoing
Develop or Modify Artifacts and Evidence to mitigate gaps in compliance requirements	01/01/18	02/28/18	Ongoing
Steve Smith assistance gaps in compliance	12/18/18	02/18/18	Ongoing
Present Information about TLE to District Support Team (DST)	02/08/18	02/08/18	Completed
Identiy and mitigate gaps in compliance	12/18/18	01/30/18	Ongoing
Steve Smith on site workshop	02/19/18	02/19/18	Completed
Present information to Instructional Technology Specialists	02/26/18	02/26/18	Planned
Present information to Elementary Curriculum Coordinators	2/27/2018	2/27/2018	Planned
Present information to Secondary Curriculum Coordinators	3/7/2018	3/7/2018	Planned
Conduct TLE Training and Artifact / Evidence Review by Linnette Attai	03/05/18	03/09/18	Planned
Complete TLE Application Process	03/26/18	03/30/18	Planned
Provide any required corrections based on application review	04/02/18	04/30/18	Planned
Present information to Principal Cluster Rep meeting	3/19/2018	3/30/2018	Need to schedule
Present information to Curriculum and Instruction ITS	3/19/2018	3/30/2018	Need to schedule
Present information to Curriculum Coaches	3/19/2018	3/30/2018	Need to schedule
Present information to the Middle School Roundtable Discussion	4/24/2018	4/24/2018	Need to schedule
Present information to the Elementary Roundtable Discussion	4/25/2018	4/25/2018	Need to schedule
Present information to the High School Roundtable Discussion	4/26/2018	4/26/2018	Need to schedule
Present information to the District Leadership Team Meeting	5/10/2018	5/10/2018	Need to schedule
Present information to the Assistant Principal team - possibly through Zoom	5/11/2018	5/30/2018	Need to schedule
Present information to the Librarian Leads	5/11/2018	5/30/2018	Need to schedule
Present information to the Librarians and Technology Liaisonss	5/11/2018	5/30/2018	Need to schedule
Present information to the CIC CCIS, IS, and DCs	8/13/2018	8/18/2018	Need to schedule
Present informaton to Teachers	8/13/2018	8/18/2018	Need to schedule
Present information to Parents	9/1/2018	9/30/2018	Need to schedule

Software Requests - iSupport

- Changes have been made to enable data to be gathered

Questions?