



Office of Digital  
Teaching & Learning

# Technology Townhall

September 2022



TECHNOLOGY TOWNHALL SEPTEMBER 2022

# Introduction, Updates



Office of Digital  
Teaching & Learning



**Russell Deneault**  
Director of Technology, Creighton SD  
President Elect, AASBO



**Kelly Krusee**  
Program Manager  
Office of Digital Teaching & Learning





TECHNOLOGY TOWNHALL SEPTEMBER 2022

Virtual  
chit chat

# Productivity Hack

Add yours to the chat



Office of Digital  
Teaching & Learning



# TOWNHALL OBJECTIVES

- Introductions, review of purpose and goals
- Group will learn about:
  - ODTL Solutions Updates
  - Knowledge & Strategy Sharing
- Gather feedback and input from participants
- Announcements & Closure





# Arizona Department of Education Five Year Strategic Plan

**Priority #1: Student Equity and Achievement**

**Priority #2: Educator Recruitment and Retention**

**Priority #3: Safe and Healthy Schools**

**Priority #4: Strategic Funding**

**Priority #5: Strategic Data Use**



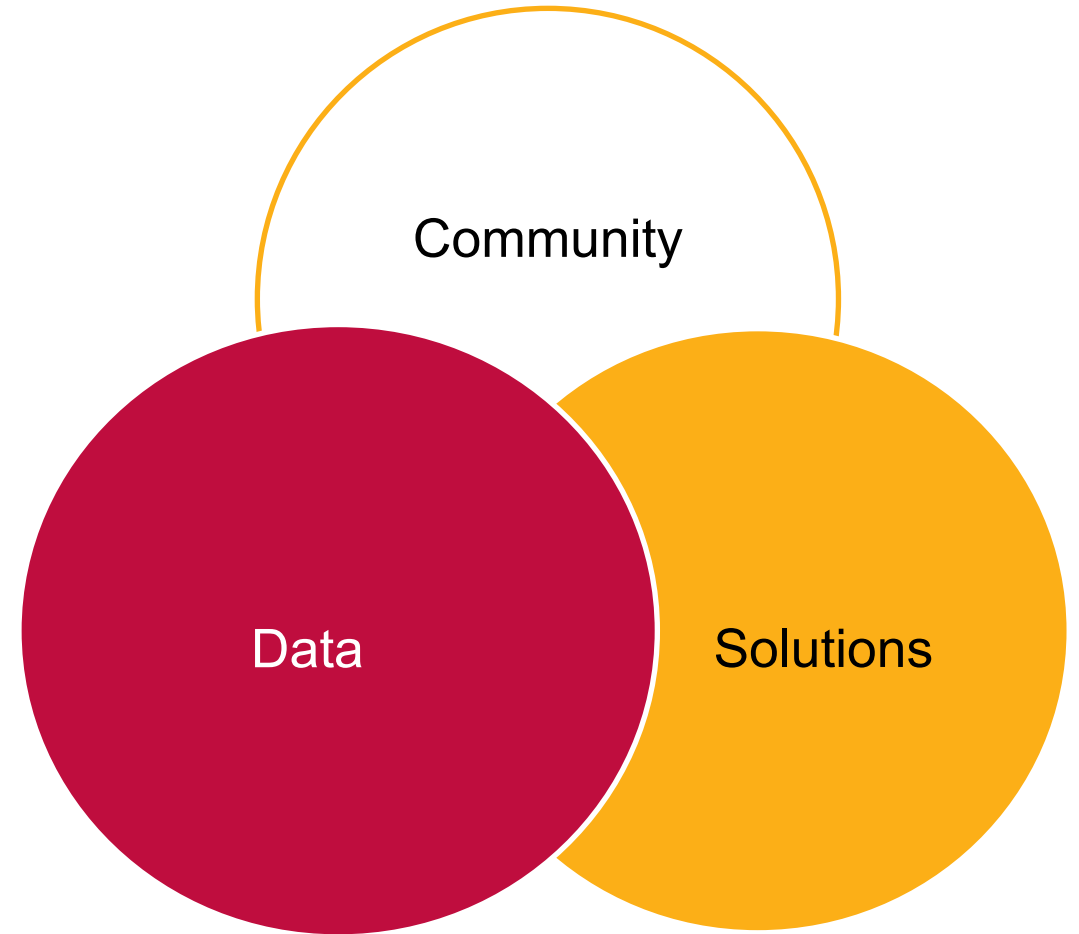
Office of Digital  
Teaching & Learning





# ODTL Strategic Plan

1. Build Community with Local Education Agencies and solution experts
2. Gather Data / Measure Progress
3. Facilitate Technology Solutions and Resources





Technology Townhall September 2022

# ODTL Solutions Updates



Office of Digital  
Teaching & Learning



# Solutions to meet your digital needs

1. Cybersecurity Resources
2. Student Data Privacy Resources





# State Cyber Resources at NO COST to School Districts

- Arizona Department of Homeland Security
- [Interest Form](#) to apply
- Five cyber tools – FREE!
- Open now

- Converged Endpoint Management (XEM)
- Anti-Phishing / Security Awareness Training (SAT)
- Advanced Endpoint Protection (AEP)
- Multi-Factor Authentication (MFA)
- Web Application Firewall (WAF)



Office of Digital  
Teaching & Learning

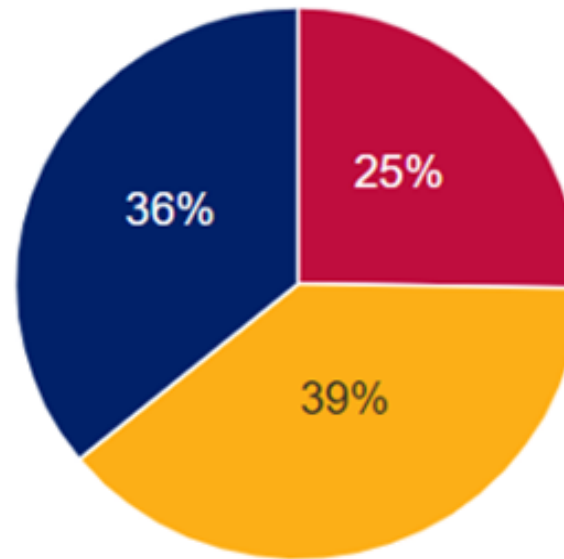




# Student Data Privacy

## Membership at NO COST to school districts

How are school districts validating and approving online applications?



Do local education agencies have a process in place to validate and approve online resources before they are used?

- No, we do not have a process in place or plans to initiate one
- We have initiated / drafted a process and are yet to finish its implementation
- Yes, we have a fully implemented process for the approval of online resources





# Student Data Privacy

## Membership at NO COST to school districts

20 affiliate memberships to 1EdTech Consortium:

- Learn **security** and **interoperability** standards
- Industry-standard rubric for vetting and certifying applications:  
**TrustED Apps Dashboard**
- **Training** in data standards to protect student data privacy





# TRUSTED APPS DASHBOARD DEMO



- Home
- Suggest App
- Product Catalog

Q Search

TrustEd Apps by IMS

Scottsdale Unified School District

Welcome to the SUSD Trusted Apps Dashboard

To request approval of applications not currently listed or marked as under review, please visit [it.susd.org](https://it.susd.org) and complete a website/software approval request.

	A	<b>Autentico</b> By Savvas Learning Company			
	A	<b>Avant STAMP</b> By Avant			
	B	<b>BFW Textbooks</b> By Macmillan Learning			
	B	<b>Big Ideas Learning</b> By Big Ideas Learning			
	BIG IDEAS MATH	<b>Big Ideas Math</b> By Larson Texts, Inc.			
	B	<b>Breezin' Thru Theory</b> By Breezin' Thru Theory			
	C	<b>Carnegie Learning Applications Login (All)</b> By Carnegie Learning, Inc.			

Sort by

Rating

Legend

Filter

Preferred

Approved

Approved Limited

Reviewed

Under Review

Denied

TrustEd Apps Seal

Vetted

Certified

Technical Notes

Instructional Notes

Advanced Search





# Student Data Privacy: TrustED Apps

## Regulatory Compliance

! UNKNOWN

● NO

✓ YES

The information below provides insight into compliance with various regulatory policies.

GDPR Compliant	✓
FERPA Compliant	✓
COPPA Compliant	✓
Approved for children under 13	✓

## Policies Cited

The following urls were cited as a basis for this information

**Terms of Service/Terms of Use**  
<https://www.discoveryeducation.com/terms-of-use/>

**Privacy Policy**  
<https://www.discoveryeducation.com/privacy-policy/>

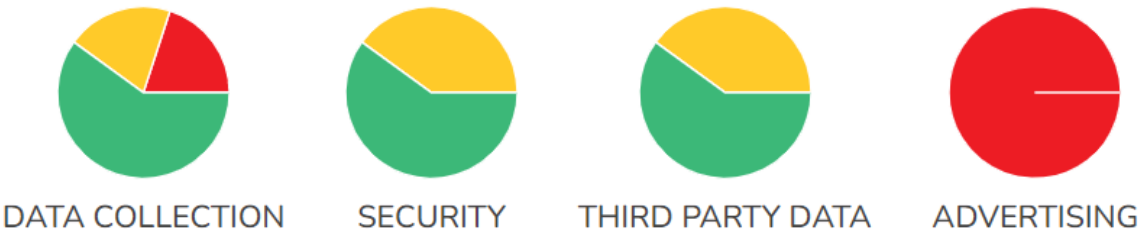
## Rubric Results

● N/A

● UNMET

● PARTIAL

● MEETS





# HOW TO APPLY



Complete Eligibility and Interest Form out by **September 23, 2022**

[https://azdoe.qualtrics.com/jfe/form/SV\\_0652naKCZp0cG34](https://azdoe.qualtrics.com/jfe/form/SV_0652naKCZp0cG34)





Technology Townhall September 2022

# Technology & Curriculum Partnership *Snowflake Unified School District*



Office of Digital  
Teaching & Learning



# Technology and Curriculum Partnership

## **Snowflake Unified**

**The Mission of SUSD#5 is to “happily” ensure that all students learn at high levels.**

Sam Sheffer - IT Director

Jason Owen - Director of Federal Programs/Curriculum



# Our Roles - Federal Programs/Curriculum

## **Director of Federal Programs/Curriculum:**

- Managing most Federal Funding, including Title Grants and ESSER I, II, & III.
- Coordinating all curricula, including digital resources and licenses.
- Coordinating all State required testing, AASA, AZSci, AASA, ACT Aspire, ACT, AZELLA, NAEP, TIMMS, MOWR, and also District Wide Assessments through Performance Matters.
- The Federal Programs Office also currently manages the District's SIS.
- The Federal Programs Office also is a Compliance Office for State Audits, Homeless, Free and Reduced Lunch, and Cycle Audits.
- The Federal Programs/Curriculum Office also coordinates ALL District Professional Development



# A Sample of Educational Software

## Digital Programs K-6

- IXL
- Reflex Math/Frax
- Learning A-Z/RAZ+
- Renaissance Accelerated Reading/ STAR/ STAR AZ Early Literacy
- McGraw Hill Wonders Grades 1-4
- Performance Matter – Online Assessment System
- Chromebooks
- LCD Projectors and SmartBoards in every classroom – moving towards SMART TVs
- Online typing programs
- Discovery Education (Just Added)
- Securely (Just Added)

## JH has

- AR/STAR
- STEAM Classes
- Yearbook
- Chromebooks
- LCD Projectors and SmartBoards in every classroom – moving towards SMART TVs
- Performance Matter – Online Assessment System
- Online typing programs
- Discovery Education (Just Added)
- Securely (Just Added)



# A Sample of Educational Software

## HS

- Edgenuity for Credit Recovery
- IT program
- Film and TV
- Yearbook
- Chromebooks
- LCD Projectors and SmartBoards in every classroom – moving towards SMART TVs
- Performance Matter – Online Assessment System
- Online typing programs
- Kahoot
- Discovery Education (Just Added)
- Securely (Just Added)

## All Schools

- Google Suite
- Beyond Textbooks
- InFocus - Student Well Being Program
- Performance Matters
- Apptegy - Thrillshare
- IEP Pro
- Test NAV
- Zoom
- You Tube
- Filtering

## District Office

- IVisions
- Timeclock Plus
- SISK-12
- Grants Management
- Solution Tree - Global PD



# Professional Development - Available Opportunities - Weekly

## PD

- Lumio (digital collaboration and presentation software)
- Tyler-Sis (Gradebook)
- AR (Accelerated Reader) and CBM testing strategies and know-how.
- Smartboard for beginners and advanced,
- Tips and tricks that will make your life easier in education
- Reflex / Frax (2-6 math)
- IXL(used to teach and reteach math and reading concepts PreK-8, Live View of struggling students)
- Story Jumper (great for personal narratives, children books creation)
- Splash Learn (1-6 math practice)
- Google Apps (Gmail, GDocs, Spreadsheet, Presentation)
- Class Website building
- Performance Matters
- Using Google Drawing (To create your own graphics or have students demonstrate knowledge through a drawing or concept map)
- Google Classroom
- Kahoot (Quiz game great for review)
- Blooket (Similar to Kahoot, interesting challenges)
- Quizziz challenge each other, but on their own time and the teacher doesn't have to be live with the students.)
- Sumdog: Math k-8 Navajo county competitions once a month.
- Typing.com (have students learn to type or improve their speed. Best program out there.)
- Discovery Education (Just Added)
- Securely (Just Added)



# Additional Professional Development / Locations

Solution Tree - District Wide Inservice Days

InFocus - District Wide Training

Beyond Textbooks - District Wide Training and Access (Regional Trainings also)

Classrooms

Site Computer Labs

District Training Room

Auditorium

1:1 Computing (almost there)



Why is all this Important?

None of this is possible without technology!!!

**Education rides on the back of IT!!!!!!**



# Collaborative Relationships - Benefit 1

- What is the end goal? **Everything should lead to educated STUDENTS!**
    - Educational Resources (Core Instruction, Supplemental, and Intervention)
    - Teacher Resources (Interactive, Connectivity, Reliable)
    - Testing Resources (Reliable, Reliable, Reliable)
  - Communication
  - Respect
  - Collaboration (How can Federal Programs assist in helping support IT with educational hardware and software requests?)
  - Communication (What we can and can't do?)
- 
- Safety, Safety, Safety



# Our Roles - IT

## Director of Technology:

- Manage ALL IT related functions
- Coordinate tiered technical support
- Upgrade legacy technology
- Initiate and maintain network infrastructure security posture
- Ensure data sharing integrity and accuracy
- Funding collaboration between departments
- Manage cloud based systems: email, SIS, EMS, etc
- **Support the mission: Leverage technology for student learning**



# TECHNOLOGY SECURITY

- Lessons learned from recent cyber security incident
- Hardening of software and hardware systems-Very costly
- Effective restoration after a cyber incident
- Backup, Backup, Backup: Data, Settings, Configurations
- Have a hard copy of settings: firewalls, filters, servers, etc
- Granular & tight control of login credentials
- Backup personnel to augment in-house IT crew



**We have the same goal:**

**High quality education for our students**

**Mutual respect & collaboration are keys to achieving this goal**



Technology Townhall September 2022

# NIST Cyber Framework & Tools



Office of Digital  
Teaching & Learning



National Institute of Standards and Technology

**NIST**

**National Institute of  
Standards and Technology  
U.S. Department of Commerce**



# Cybersecurity Framework - 2014

The (NIST Cybersecurity) Framework not only helps organizations understand their cybersecurity risks (threats, vulnerabilities and impacts), but how to reduce these risks with customized measures. The Framework also helps them respond to and recover from cybersecurity incidents, prompting them to analyze root causes and consider how they can make improvements.





# The Quick Start Guide





# Identify

- Identify critical processes and assets
- Document information flows
- Maintain hardware and software inventory
- Establish cybersecurity policy, including roles and responsibilities
- Identify threats, vulnerabilities, and risk to assets



# Protect

- Manage access
- Protect sensitive data
- Conduct regular backups
- Protect your devices
- Manage device vulnerabilities
- Train users



# Detect

- Test and update detection processes
- Know the expected data flows
- Maintain and monitor logs
- Understand the impact of security events



# Respond

- Ensure response plans are tested
- Ensure response plans are updated
- Coordinate with internal and external stakeholders



# Recover

- Communicate with internal and external stakeholders
- Ensure recovery plans are updated
- Manage public relations and company reputation



# Full Framework Document


- 55 Pages
- Does not replace existing processes, complements existing operations
- Determine gaps in current cybersecurity risk
- Develop roadmap to improvement

Function Unique Identifier	Function	Category Unique Identifier	Category
ID	Identify	ID.AM	Asset Management
		ID.BE	Business Environment
		ID.GV	Governance
		ID.RA	Risk Assessment
		ID.RM	Risk Management Strategy
		ID.SC	Supply Chain Risk Management
PR	Protect	PR.AC	Identity Management and Access Control
		PR.AT	Awareness and Training
		PR.DS	Data Security
		PR.IP	Information Protection Processes and Procedures
		PR.MA	Maintenance
		PR.PT	Protective Technology
DE	Detect	DE.AE	Anomalies and Events
		DE.CM	Security Continuous Monitoring
		DE.DP	Detection Processes
RS	Respond	RS.RP	Response Planning
		RS.CO	Communications
		RS.AN	Analysis
		RS.MI	Mitigation
		RS.IM	Improvements
RC	Recover	RC.RP	Recovery Planning
		RC.IM	Improvements
		RC.CO	Communications



# Functions, Categories, Subcategories, and References

Function	Category	Subcategory	Informative References
RESPOND (RS)	<b>Response Planning (RS.RP):</b> Response processes and procedures are executed and maintained, to ensure response to detected cybersecurity incidents.	<b>RS.RP-1:</b> Response plan is executed during or after an incident	<b>CIS CSC 19</b> <b>COBIT 5</b> APO12.06, BAI01.10 <b>ISA 62443-2-1:2009</b> 4.3.4.5.1 <b>ISO/IEC 27001:2013</b> A.16.1.5 <b>NIST SP 800-53 Rev. 4</b> CP-2, CP-10, IR-4, IR-8
	<b>Communications (RS.CO):</b>	<b>RS.CO-1:</b> Personnel know their roles and	<b>CIS CSC 19</b>



<https://csrc.nist.gov/publications/detail/sp/800-53/rev-5/final>



Technology Townhall September 2022

# Townhall Feedback



Office of Digital  
Teaching & Learning



# Tech Townhall Input

1. Based on your experience with these Technology Townhalls, how many stars would you give? (0 point)

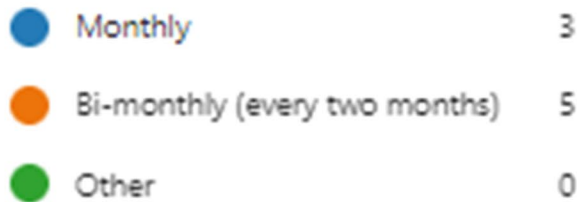
[More Details](#)

8  
Responses



3. What frequency is best for Technology Townhall meetings? (0 point)

[More Details](#)





# Tech Townhall Input

5. Please tell us of any topics you'd like to learn more about in a technology townhall:

7 Responses

ID ↑	Name	Responses
1	anonymous	IncidentIQ
2	anonymous	EdTech integrations with new state standards
3	anonymous	Continued information on experience rolling out Grant resources.
4	anonymous	more cyber training resources
5	anonymous	I would love to discuss best practices for digital learning as well as resources available to my teachers who teach virtually
6	anonymous	much more cyber topics - more sharing and lessons learned
7	anonymous	ed tech integration tips, more collaboration on cyber issues





# Next meeting:

★ Original Date

★ Potential Dates

2022 OCTOBER						
SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10★	11★	12	13	14	15
16	17★	18	19	20	21	22
23	24	25	26	27	28	29
30	31					





# Next meeting:

- October meeting
- November meeting
- Meeting frequency







# Announcements



# Community Action



- Tribal Technology Roundtables
- Digital Office Hours
- Live Webinars
- LinkedIn

- 10&10 Gen Z
  - 10 minutes of content
  - 10 minutes of Q&A
  - Tuesdays, 3:15pm MST
- Digital Office Hours
  - Thursdays each week
  - 11am-1pm MST
  - Special guests, topics weekly





Technology Townhall June 2022

# LinkedIn

<https://www.linkedin.com/showcase/odtl>



Office of Digital  
Teaching & Learning



Technology Townhall June 2022

# Townhall Meeting Repository

<https://www.azed.gov/technology/technology-townhall-meetings>



Office of Digital  
Teaching & Learning





# Thank you to our host!

## Maricopa Unified School District

— Christine Dickinson,  
Technology Director





# Next meeting:

???

## 1:00-3:00pm MST

---

Kelly Krusee  
Karina Jones

[kelly.krusee@azed.gov](mailto:kelly.krusee@azed.gov)  
[karina.jones@azed.gov](mailto:karina.jones@azed.gov)

Russell Deneault [rdeneault@creightonschools.org](mailto:rdeneault@creightonschools.org)  
Shelby Brown [Shelby.brown@azed.gov](mailto:Shelby.brown@azed.gov)