



Office of Digital  
Teaching & Learning

# Technology Townhall

February 2023

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



**Kelly Krusee**  
Community Engagement Manager  
Office of Digital Teaching & Learning





# Safford Unified School District

Striving to be the Best School District in Arizona!



In the chat, tell us  
your:

- Name
- Title
- School

Introductions!



# TOWNHALL OBJECTIVES

- Introductions, review of purpose and goals
- Group will learn about:
  - Announcement from CoSN for AZ schools
  - Updates from ODTL
  - Broadband map, challenging, data sharing
  - Affordable Connectivity Program
  - Cooperative Purchasing Program
  - Arizona K-12 Cyber Event, November 2022
  - Fishbowl activity topic: Cyber resources
- Gather feedback and input from participants





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# Increasing Tech Capacity in K12

February 2023



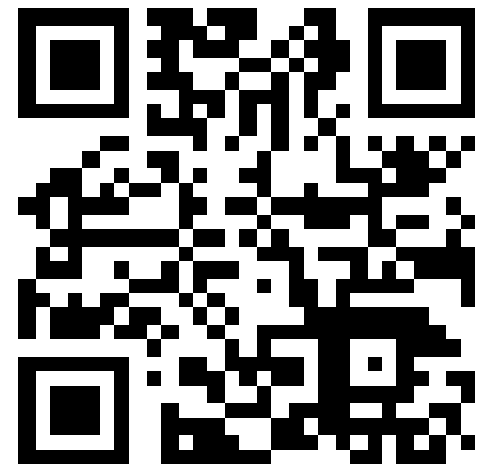
# K12 Technology Capacity

- Survey from 2021 revealed that the need to increase technology capacity and access to resources is the top one priority for IT in K12.
- At second place was the need for policies and procedures, including both the creation of policies and training.
- Knowledge in cybersecurity practices and access to available cyber resources is essential to all school districts.



# One Year Membership to CoSN

- The Office of Digital Teaching and Learning will provide ALL K12 IT Leaders in Arizona with an annual membership to CoSN
- Details for how to enroll will be sent in the next days. Sign up to our communications here:
- K12 Tech-Capacity Survey coming soon in March / April 2023





A large circular graphic on the left side of the slide. It features a pattern of blue and white diagonal stripes. In the background, there is a faint image of several people sitting around a table, working on laptops and tablets.

# Latest and Greatest: Tools for AZ Technology Leaders

[cosn.org](http://cosn.org)

# What is CoSN?

## Our Vision

CoSN is a community of visionary technology leaders empowering every learner to achieve their unique potential in a changing world.

## Our Mission

CoSN provides current and aspiring K12 education technology leaders with the community, knowledge and professional development they need to create and grow engaging learning environments.



Cybersecurity



Data Privacy



Digital Equity



Interoperability



Network Design

# Why CoSN?

CoSN members include a unique blend of education and technology leaders, policy makers, and influencers from the public and private sectors.

CoSN's core members are district technology leaders:

- Chief Technology Officers
- Chief Information Officers
- Instructional Technology Directors
- Administrative Technology Directors

## *Exciting Opportunity*

# Creating an AZ CoSN Statewide Partnership for District Technology Leadership

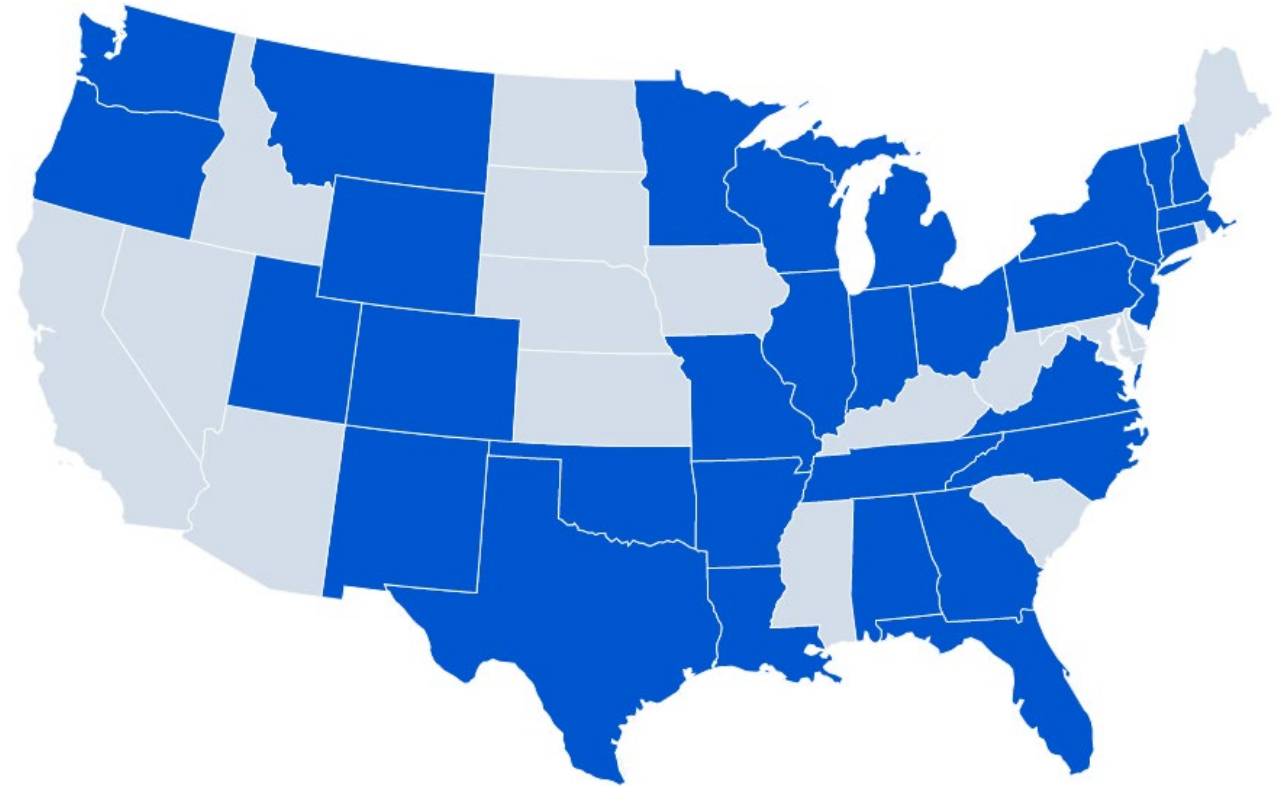
With AZ DoE, and in partnership with AzTEA, create a AZ CoSN chapter. The State Chapter model is a partnership that blends member benefits, resources, programming, and more robust options for professional development to meet the needs of more people in the state, particularly, rural and school districts with limited resources.

# Benefits of an AZ Chapter/Partnership

- Increased participation in state level conferences and meetings as CoSN's brand and promotional contributions work to fill professional development gaps at events.
- Increased capacity to mobilize both memberships around state legislative issues and state policies.
- Cross promotion of events, products, services, etc.
- Expanded leadership capacity at the state level.
- CoSN State Chapters, in partnership with CoSN National, may host an annual CTO Clinic, CoSN's signature event, which services as an intensive CTO professional development 'mini' conference for CTOs in the state.

# Join the 31 Other States

Seek to expand upon the many benefits and professional advancement resources that CoSN national provides to its members by creating programming and professional development that are state/territory specific.





# CoSN Strategic Plan

## **GOAL 1: Personalize Member Learning**

- Develop and deliver timely programs, products and service to meet members needs

## **GOAL 2: Drive Innovation**

- Provide thought leadership to incubate and drive innovative practices

## **GOAL 3: Foster Equity, Diversity, and Inclusion**

- Address systemic barriers by leading and inspiring change





Leadership & Vision

Educational Environment

Managing Technology

# FRAMEWORK

of Essential Skills of the K-12 CTO

[cosn.org/framework](https://cosn.org/framework)



## **New Cybersecurity Primer from CoSN**

**Identifies five actions a school system IT staff can take to better defend IT infrastructure.**

**Focues on low-cost solutions for districts with minimal resources.**

**Supported by the Blaschke Fund**



**<https://www.cosn.org/cosn-news/k12-cybersecurity-primer-released-by-cosn/>**



## Cybersecurity Staffing Resource for K-12



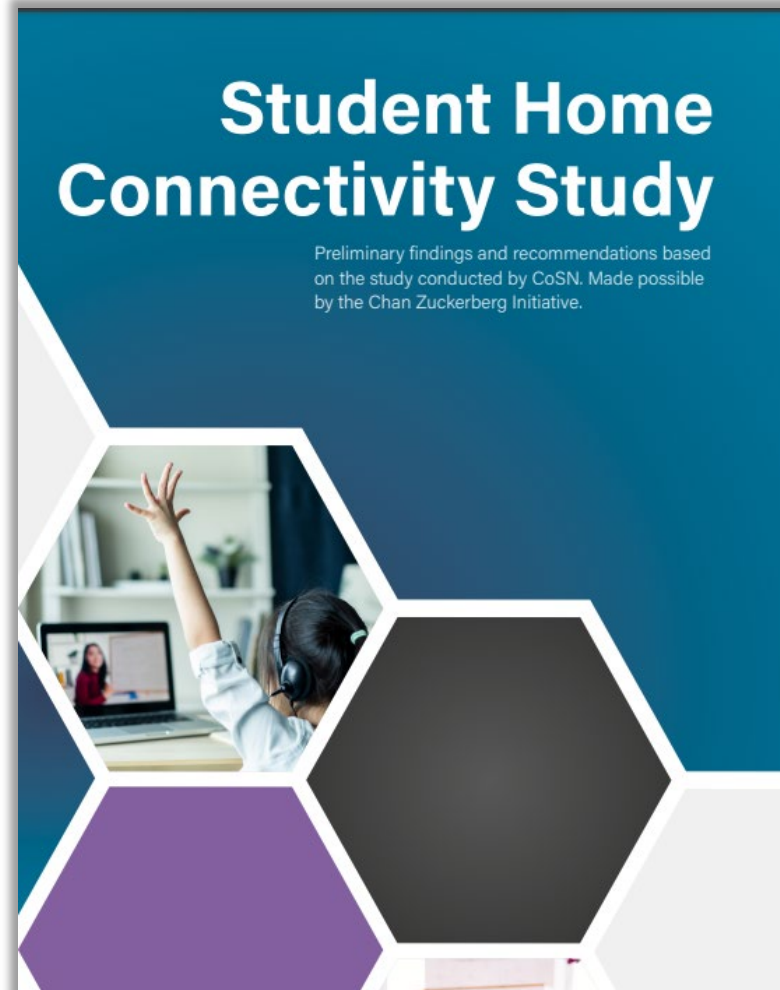
*NEW* - resource for K-12 schools and districts seeking to address the need for advanced cybersecurity skillsets within their technology teams.

<https://www.oercommons.org/courses/cybersecurity-staffing-resource-for-k-12>

In partnership with



# Student Home Connectivity Study



**[cosn.org/digitalequity](https://cosn.org/digitalequity)**







**Year 1: Learning with Video is Essential for Education**

**Year 2: While most students have returned to school locations, insufficient home connectivity remains a major challenge with disparities by ethnicity & socioeconomic status**

## NEW report on challenges that federally recognized K-12 institutions face on social media.

[Schools and Social Media: The Critical Need for Verification and Dedicated Reporting Processes](https://www.nspra.org/Schools-and-Social-Media)

<https://www.nspra.org/Schools-and-Social-Media>

Platform Responses		
1. Does your platform allow all federally recognized K-12 education institutions to verify their official social media accounts/pages?		
 LinkedIn NO Dedicated Process for K-12 But Willing to Explore <a href="#">More</a>	 Meta (Facebook/Instagram) NO Dedicated Process for K-12 But Willing to Explore <a href="#">More</a>	 SnapChat NO Dedicated Process for K-12 <a href="#">More</a>
 TikTok NO Dedicated Process for K-12 But Willing to Explore <a href="#">More</a>	 Twitter YES, Creating a New Process <a href="#">More</a>	 YouTube NO Dedicated Process for K-12 But Willing to Explore <a href="#">More</a>

New career K-12 chief technology officers (CTOs) with fewer than 4 years of experience or aspiring technology directors who are already working in a technology department

[Application](#) for 2023-24 is open (deadline September 1, 2023)





# COSN NETWORK

[Home](#)[Communities ▾](#)[Directory ▾](#)[Events](#)[Library ▾](#)[Participate ▾](#)[Volunteer ▾](#)A photograph of three people in a professional setting. On the left, a Black man in a dark suit and red tie is gesturing with his hands while speaking. In the center, a white man in a dark suit and red tie is listening. On the right, a woman with blonde hair, wearing a dark top, is also listening. They are seated at a table with microphones and papers.

## JOIN THE DISCUSSION

ASK OR ANSWER ANY QUESTIONS.



# The CoSN Podcast

MindRocket Media Group

Education

★★★★★ 5.0 • 4 Ratings

[Student Data Privacy Webinar](#)

[Cybersecurity in Today's Learning Environments: What School Leaders Must Know and Do](#)

[Creating and Leading a Professional Team of Lifelong Learners](#)

# CoSN Blog

Home / News & Publications / CoSN Blog

[10 Tips & Recommendations to Attracting & Retaining Educators and IT Professionals](#)

[It's Not "If" But When You Will Be Hacked](#)

[Dear Superintendents: What I wish school leaders knew about cybersecurity](#)

# PEER REVIEW

ENVISION. DEVELOP. SUCCEED.

CoSN's Peer Review program has been developed in direct response to district leaders' requests for help in applying best practices that will measurably advance their technology goals strategically, systematically, and successfully.

**[cosn.org/peerreview](https://cosn.org/peerreview)**

## **Best Practices from CoSN's Peer Review Program**

Prepared by:  
Mardi Crean,  
*Charles Blaschke Scholarship Fellow*



# EmpowerED Superintendent

[cosn.org/superintendents](https://cosn.org/superintendents)

## Toolkit

### One-pagers

- Accessibility
- Cloud computing
- Cybersecurity
- Leadership for Digital Learning
- Student data privacy
- Smart network design
- Technology planning
- Closing the Homework Gap
- Trusted Learning Environment
- Effective technology pd
- Interoper-what?

## Self-Assessments



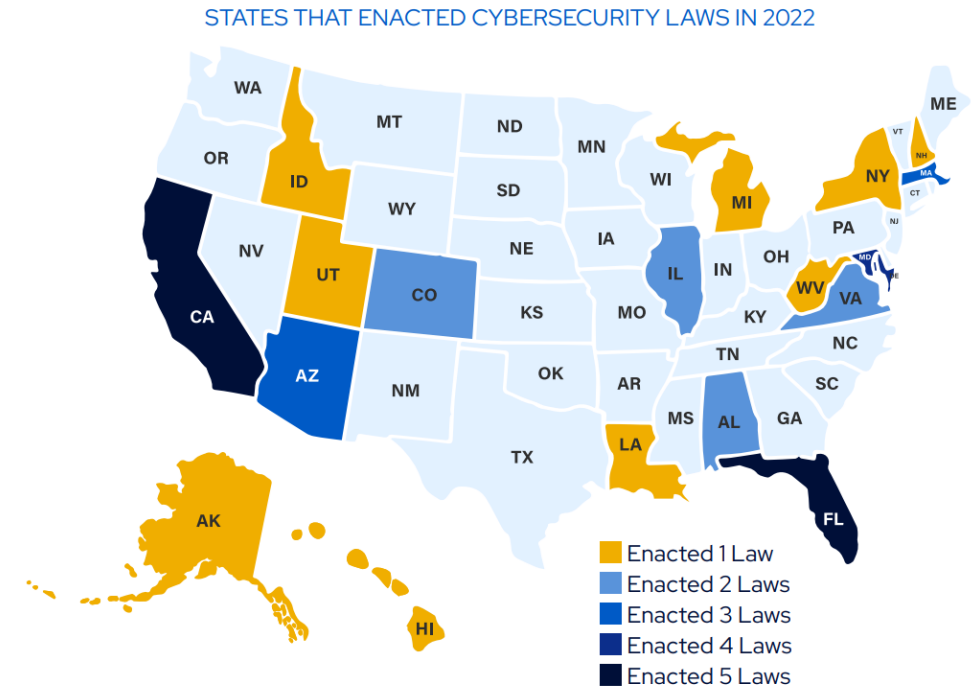
[cosn.org/superintendents](https://cosn.org/superintendents)

# Latest on Policy?

FCC should modernize its existing E-rate program

*CoSN 2022 State and Federal  
Cybersecurity Policy Trends Report*

[www.cosn.org/cybersecurity](http://www.cosn.org/cybersecurity)



## Some key findings:

- Though cybersecurity is the number one priority for IT Leaders, risks are underestimated.
- 1:1 strategies are happening at all grade levels, including at the elementary level.
- Providing support for home access strains the resources of school district IT departments.

The image shows the front cover of a report. At the top, there is a faint, light blue wireframe globe. Overlaid on the globe is the title 'EdTech Leadership Survey Report' in a bold, blue, sans-serif font. Below the title, the year '2022' is written in a bold, black, sans-serif font. At the bottom right of the cover is the COSN logo, which consists of the letters 'COSN' in a bold, black, sans-serif font, with a small globe icon replacing the letter 'O'. Below the logo, the tagline 'LEADING EDUCATION INNOVATION' is written in a smaller, black, sans-serif font.

# EdTech Leadership Survey Report

**2022**

**COSN**  
LEADING EDUCATION INNOVATION

# CoSN Thought Leadership Resources

## Cybersecurity

[cosn.org/cybersecurity](https://cosn.org/cybersecurity)



## Digital Equity

[cosn.org/digitalequity](https://cosn.org/digitalequity)



## Privacy

[cosn.org/privacy](https://cosn.org/privacy)

***Trusted Learning Environment Seal*** [trustedlearning.org](https://trustedlearning.org)



## Interoperability

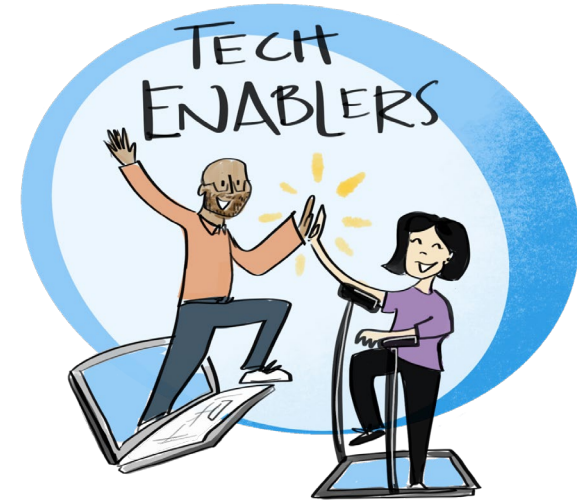
[cosn.org/interoperability](https://cosn.org/interoperability)

And many other resources [cosn.org](https://cosn.org)



# DRIVING K-12 INNOVATION

CoSN series informs smart technology strategies for schools, with teaching + learning at the center





# Online Courses/Workshops and Webinars



IT Project  
Management



Cybersecurity  
in K12  
Education



Protecting  
Student  
Privacy



CETL  
Foundation  
Course

**Want to learn more?**



<https://www.cosn.org/education-events/event-calendar/>

**Go to CoSN's Event Calendar  
all year long!**



[cosn.org/cosn2023/](https://cosn.org/cosn2023/)



We're innovating the  
**NEXT NORMAL**

[keith@cosn.org](mailto:keith@cosn.org)

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# ODTL Updates



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# ODTL Plan

1. Build Community with Local Education Agencies and solution experts
2. Assessing needs and measuring LEA progress in AZ
3. Facilitate Technology Solutions and Resources



# CYBERSECURITY RESOURCES



- DEMA Vulnerability Assessments: MOU in progress



- AzDOHS Cyber Readiness Program:
  - Tool Implementation
  - Vendor Office Hours
  - New Security Awareness Training
  - Cybersecurity Focus Group

Questions?

[cybergranttaskforce@azdoa.gov](mailto:cybergranttaskforce@azdoa.gov)



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[Focus Group Interest Form](#) 35

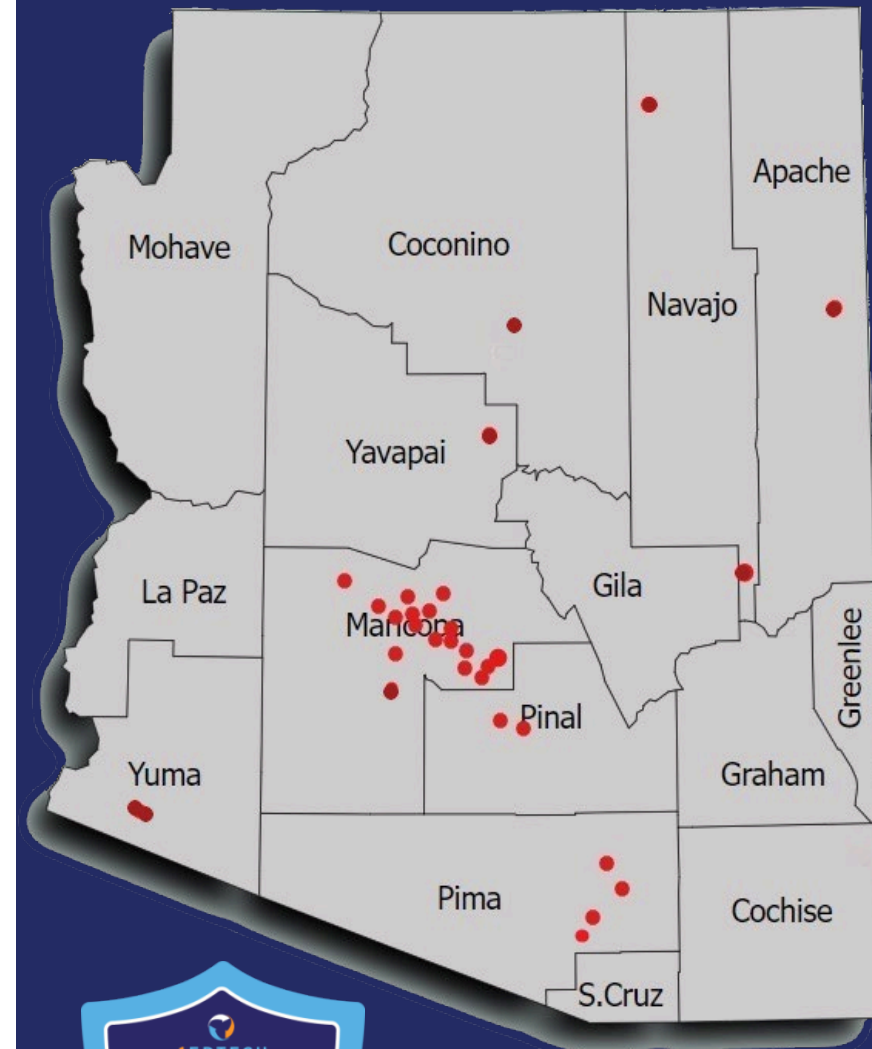
# STUDENT DATA PRIVACY

- TrustEd Apps Initiative
- 31 schools across Arizona
- 81% activated and shared
- Application vetting, procedures
- Community of Practice
  - Collaboration
  - Thought exchange

<https://www.azed.gov/odtl/trusted-apps>



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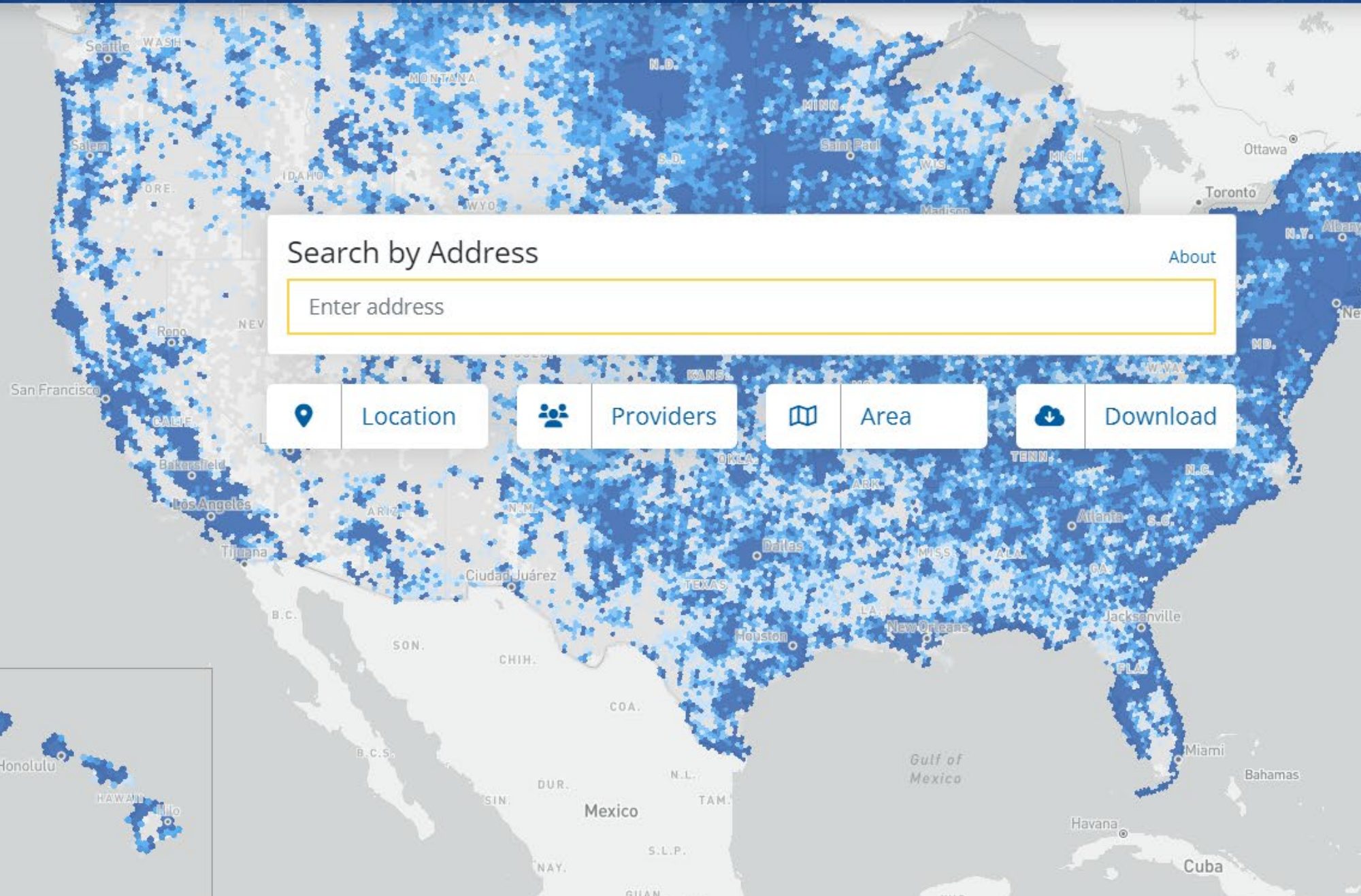
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# Broadband Mapping, Challenging & Data Sharing

*Milan Eaton*  
*State Erate Director, ADE*



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Search by Address

About

Enter address



Location



Providers



Area



Download

- Accuracy helps identify the unserved and underserved communities most in need of funding for high-speed internet projects
- Check your locations <https://broadbandmap.fcc.gov/home>
- Help correct and refine map data:  
<https://www.fcc.gov/BroadbandData/consumers>



# Need Your Help

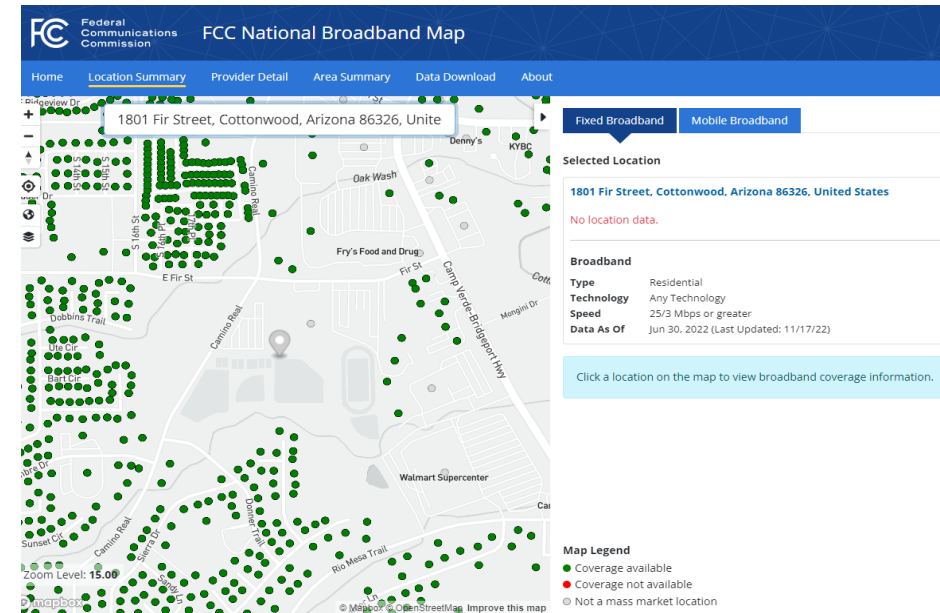
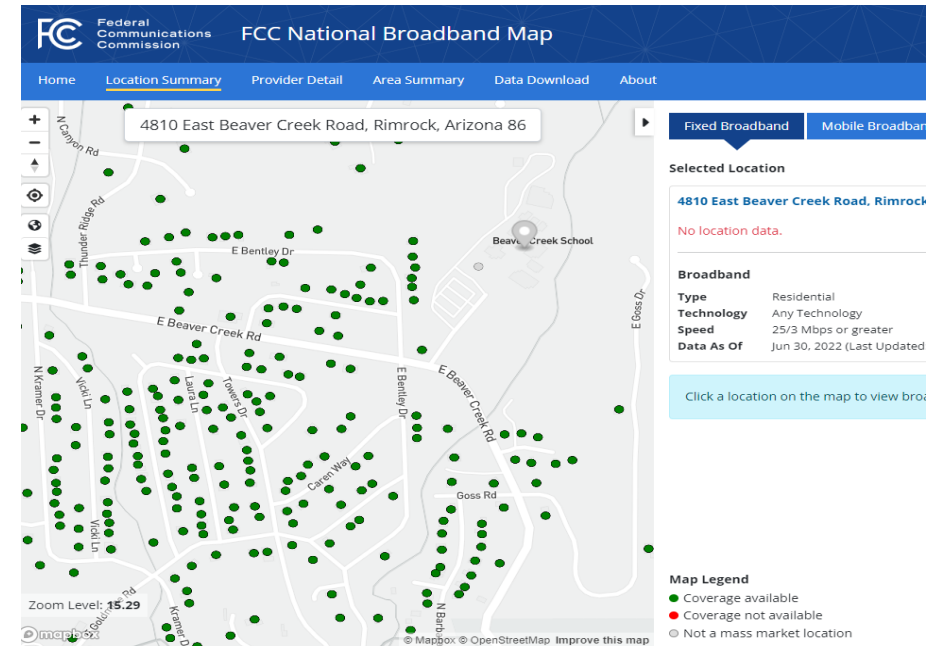
## Who can help improve the map?

Consumers, state, local, and Tribal governmental entities, and other stakeholders may submit challenges to help verify the information submitted by ISPs.

## How can schools help?

Email student addresses (minus names, etc.) Please do not email or cc: anyone from ADE on your email.

Email the file to Sandip Bhowmick, Assistant Broadband Director with the Arizona Commerce Authority [Sandipb@azcommerce.com](mailto:Sandipb@azcommerce.com).



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# Affordable Connectivity Program

*Shelby Brown*  
*Tribal & Rural Community*  
*Coordinator, ADE*



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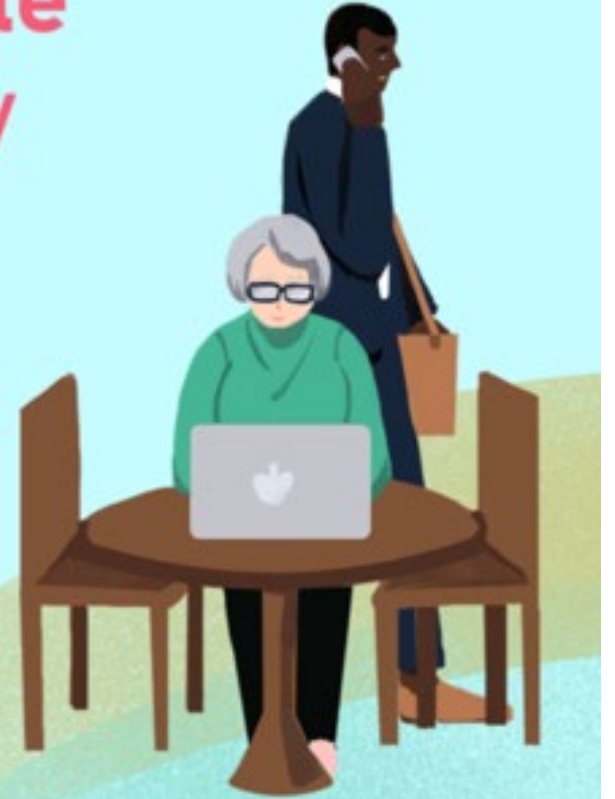
## Affordable Connectivity Program

Eligible households can receive

- \$30/month discount on household internet service
- \$75/month discount for households on tribal land
- A one-time discount of up to \$100 for a laptop, tablet, or desktop computer (with a co-payment of more than \$10 but less than \$50)



[getinternet.gov](https://getinternet.gov)



Call or text Connect Arizona at 602-529-1519 today to get free and friendly help signing up.

[connect-arizona.com](https://connect-arizona.com)



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# Affordable Connectivity Program

**DETERMINE  
ELIGIBILITY**

**FIND A  
PROVIDER**

**PREPARE  
TO APPLY**

**COMPLETE  
APPLICATION**

**SIGN UP  
FOR  
SERVICE**

For more information:

- Call Connect Arizona hotline at (602) 529-1519
- Visit [acpbenefit.org](https://acpbenefit.org)





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# Cooperative Purchasing Program

*Phillip Seng*

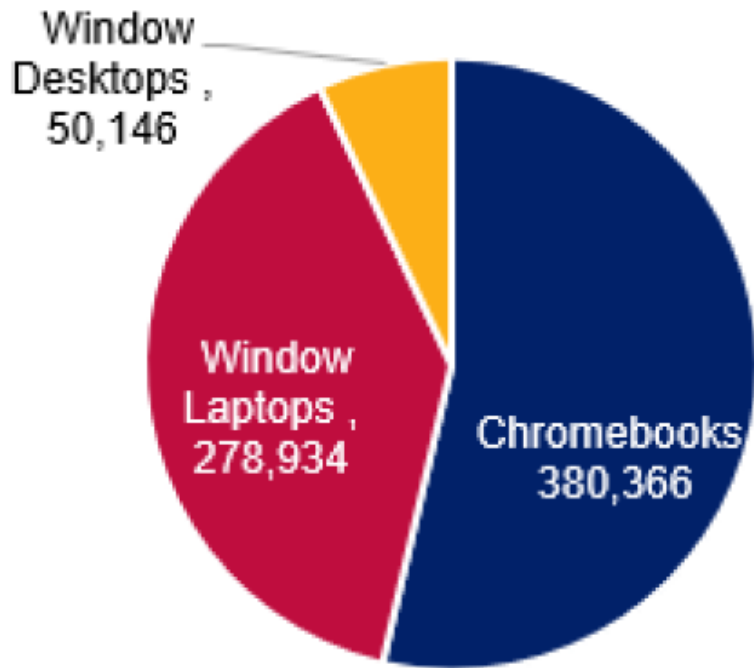
*Project Manager, ODTL*

*ADE*



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# COOPERATIVE PURCHASING PROGRAM SURVEY RESULTS



**160+** Districts and  
Charter Systems in 14 AZ  
counties expressed interest

On average, responding LEAs  
plan to purchase, per year:

- 69,000 Chromebook devices
- 30,000 Windows laptops
- 4,800 Windows desktops



# COOPERATIVE PURCHASING PROGRAM

## DEVICE REQUIREMENTS

	"Must Have" RAM Requirements	"Must Have" Storage	"Must Have" Processer Requirements
<b>Students (Chrome)</b>	4GB	32GB	Intel Celeron
<b>Students (Windows)</b>	8GB	128GB	Intel i3
<b>Teachers</b>	16GB	256GB	Intel i7
<b>Staff</b>	16Gb	256GB	Intel i7
	"Should Have" RAM	"Should Have" Storage	"Should Have" Processer
<b>Students (Chrome)</b>	4GB	32GB	Intel i3
<b>Students (Windows)</b>	8GB	128GB	Intel i5
<b>Teachers</b>	16GB	256GB	Intel i7
<b>Staff</b>	16GB	256GB	Intel i7
	"Could Have" RAM Requirements	"Could Have" Storage	"Could Have" Processer Requirements
<b>Students (Chrome)</b>	8GB	32GB	Intel i7
<b>Students (Windows)</b>	16GB	128GB	Intel i7
<b>Teachers</b>	32GB	256GB	Intel i7
<b>Staff</b>	32GB	256GB	Intel i7

# COOPERATIVE PURCHASING PROGRAM

## DEVICE REQUIREMENTS

	"Must Have" Browser Requirements	"Must Have" Operating System Requirements	"Must Have" Screen Requirements
<b>Students (Chrome)</b>	Chrome	ChromeOS 109	2 in 1 11 inch
<b>Students (Windows)</b>	Chrome	Windows 10 +	12.4" +
<b>Teachers</b>	Chrome	Windows 10 +	Touchscreen 14"
<b>Staff</b>	Chrome	Windows 10 +	Touchscreen 15"
	"Should Have" Browser Requirements	"Should Have" Operating System Requirements	"Should Have" Screen Size Requirements
<b>Students (Chrome)</b>	Chrome	ChromeOS 109	2 in 1
<b>Students (Windows)</b>	Chrome	Windows 10 +	12.4" +
<b>Teachers</b>	Chrome	Windows 10 +	Touchscreen 14"
<b>Staff</b>	Chrome	Windows 10 +	Touchscreen 15"
	"Could Have" Browser Requirements	"Could Have" Operating System Requirements	"Could Have" Screen Size Requirements
<b>Students (Chrome)</b>	Chrome	ChromeOS 109	2 in 1
<b>Students (Windows)</b>	Chrome	Windows 10 +	13" +
<b>Teachers</b>	Chrome	Windows 10 +	Touchscreen 14"
<b>Staff</b>	Chrome	Windows 10 +	Touchscreen 15" + 27" curved monitors

# COOPERATIVE PURCHASING PROGRAM



Your input is needed! Opportunities to share your district needs:

- Upcoming focus group, rural schools: 2/22/23
- 1:1 Interviews with ADE

Email us [odtl@azed.gov](mailto:odtl@azed.gov)



# COOPERATIVE PURCHASING PROGRAM

## NEXT STEPS

- Define the Scope
- Verify the Benefit with Schools
- Submit to Procurement



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# Arizona K-12 Cyber Event

*Russell Deneault*

*IT Director*

*Creighton School District*



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# K-12 CYBER EVENT



- Detection
- Containment
- Response
- Lessons Learned

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# Fishbowl Activity Topic

## *IT Disaster Recovery Plans*



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# Announcements

# TECHNOLOGY TOWNHALL

## New Co-facilitator beginning May 2023



Nicholas Magann  
Executive Director of IT  
Buckeye Union High School District



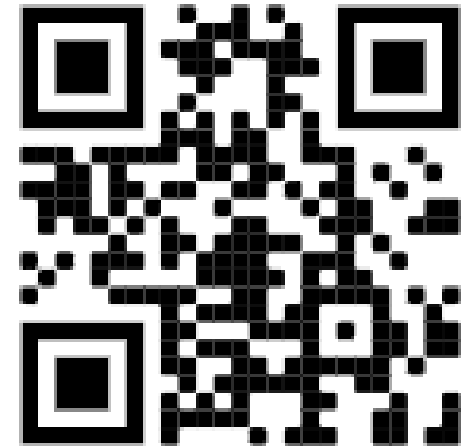


# Announcements

# Community Action



- [Technology Townhalls](#)
- [Tribal Technology Roundtables](#)
- [Digital Office Hours](#)
- [LinkedIn](#)



- Digital Office Hours
  - Thursdays each week
  - 11am-1pm MST
  - Special guests, topics weekly



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# LinkedIn

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



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# Townhall Meeting Materials

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



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How'd we  
do?

[Survey link here](#)



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# Next meeting:

## Monday, April 10, 2023

## 1:00-3:00pm MST

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Russell Deneault [rdeneault@creightonschools.org](mailto:rdeneault@creightonschools.org)

Nicholas Magann [nicholas.magann@buhsd.org](mailto:nicholas.magann@buhsd.org)

Phillip Seng [Phillip.seng@azed.gov](mailto:Phillip.seng@azed.gov)

Kelly Krusee [kelly.krusee@azed.gov](mailto:kelly.krusee@azed.gov)

Karina Jones [karina.jones@azed.gov](mailto:karina.jones@azed.gov)

Shelby Brown [Shelby.brown@azed.gov](mailto:Shelby.brown@azed.gov)