

2024 CAE



# Expanding High School Cybersecurity Opportunities Through the Cybersecurity High School Innovations Project

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# Agenda



## • Curriculum Evolution

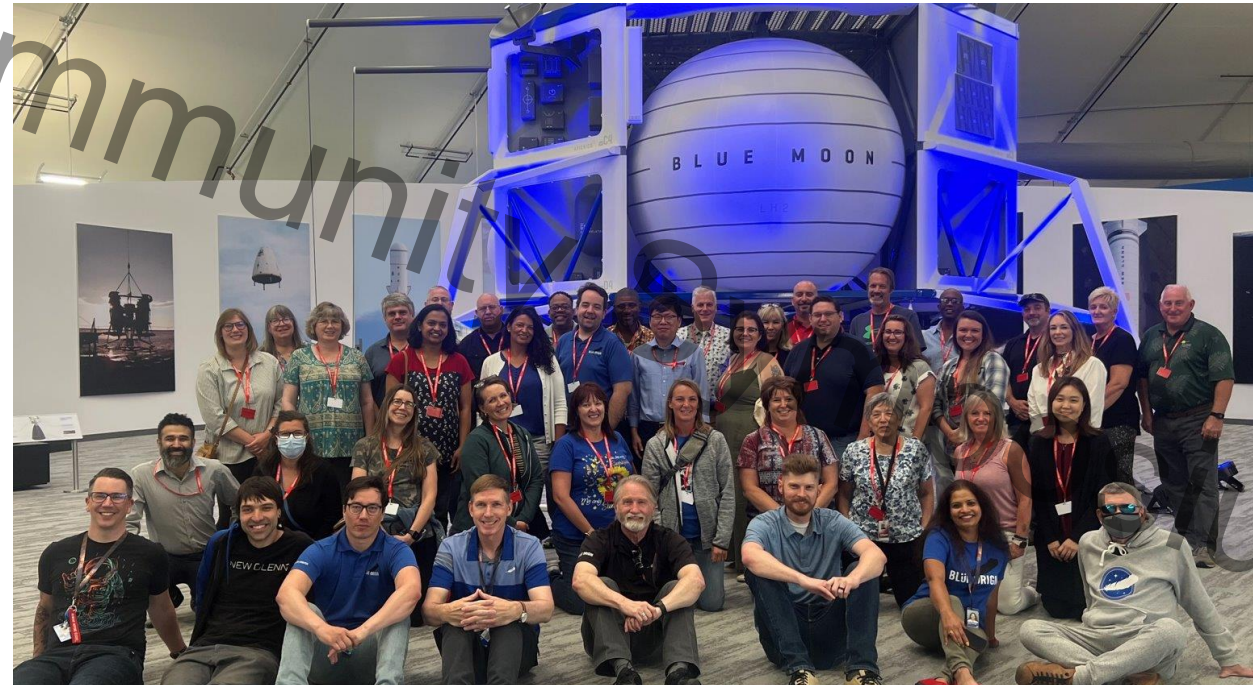
- Curriculum was designed for the audience
- Five week online synchronous lectures
  - 10 modules covering cybersecurity topics
- Four-day Summer Summit
  - Year 1 and 2 in Seattle, WA
  - Year 3 in Tacoma, WA, Idaho Falls, ID, and Fargo, ND

Year/Cohort	Introduction to Cybersecurity	Security+	Cybersecurity Competitions
2022	X		
2023	X	X	
2024	X	X	X

# Agenda

- **Workforce Development**

- Embed careers into classroom (ratio/teachers can guide)
- Industry panel – what professional workplace demands
- Industry tour – see it, hear it, do it



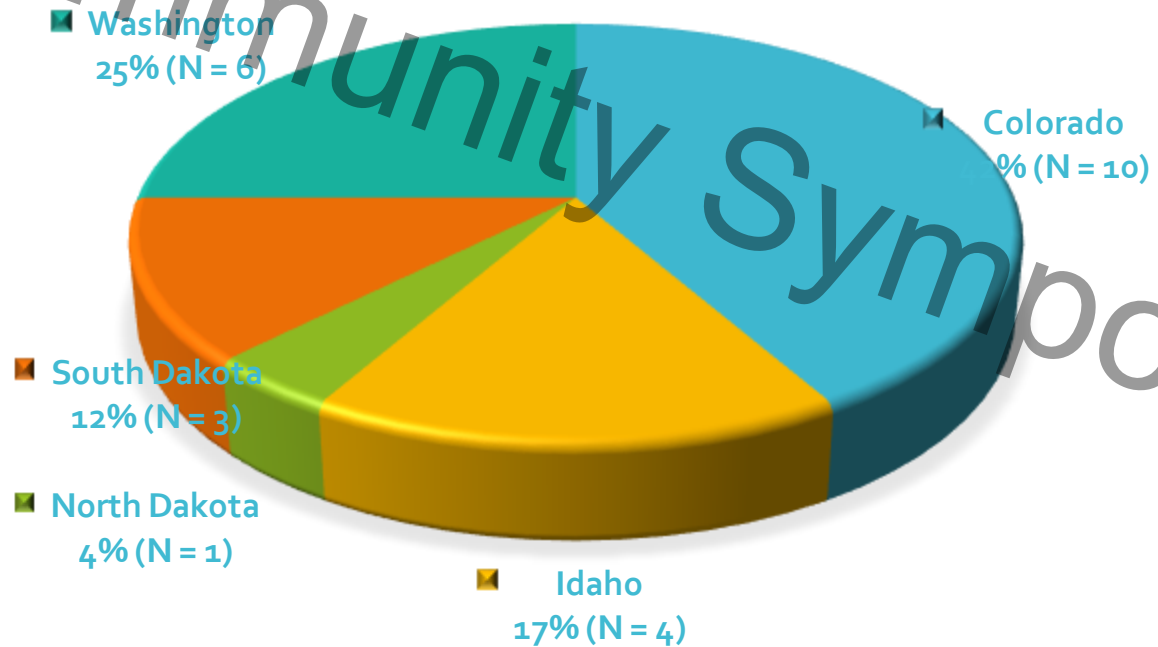
# Agenda

- **Recruitment**

- Multi-state initiative (Pie chart of where teachers came from)
- Different cultures & approaches (one size does not fit every state)



TEACHER NUMBERS (N = 24)



# Agenda

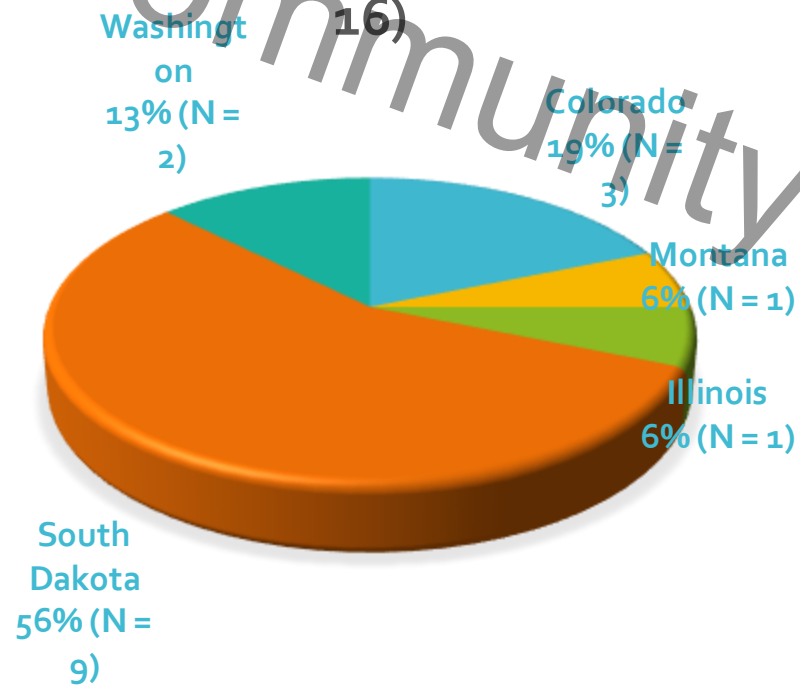
2024 CAE



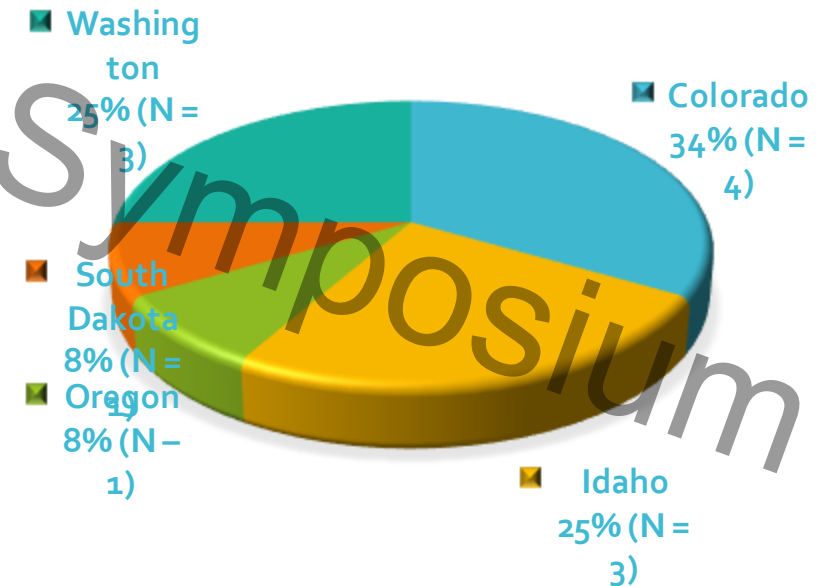
## • Recruitment

- Multi-state initiative (Pie chart of where teachers came from)
- Different cultures & approaches (one size does not fit every state)

TEACHER NUMBERS (N = 16)



TEACHER NUMBERS (N = 12)



# Agenda

- **Expansion and Replication**

- National Participant Recruitment
- Summer Summit in Tacoma, WA, Fargo, ND, and Idaho Falls, ID
- Building a model that can be replicated using local resources.



Community Symposium

# Agenda

- **Lessons Learned**

- Tailor curriculum
- Customize to audience
- Standards/No Standardization



# 2024 Agenda



## LEARN TO TEACH YOUR STUDENTS CYBERSECURITY

### PREPARE YOUR STUDENTS TO WORK IN A CYBERSECURE WORLD



**Who** For 8-12 grade teachers and/or school employees who cybersecurity interested in teaching cybersecurity or starting a National Cyber League clubs and those who want to start a cyber competition club or add the cyber challenges to their curriculum.

**What** The Cybersecurity High School Innovation's (CHI) objective is to train and prepare 8-12 grade teachers to teach complete cybersecurity courses to high school students. The CHI Coalition will deliver a sustainable, systematic approach to developing high school cybersecurity teachers prepare and support middle and high school teachers with engaging cybersecurity curriculum and service

#### When & Where

- 5-Week Online Class Starting June 10, 2024
- In-person Summer Summit will be held July 14, 2024 - July 17, 2024, Tacoma (WA), Fargo (ND), Idaho Falls (ID)

#### Why

- Help inspire students to pursue careers in the in-demand field of cybersecurity
- Integrate cybersecurity career opportunities to core principles, practices, and frameworks
- Earn Continuing Education Units or Professional Development Units for course completion



Apply to this full scholarship opportunity today!

\*CHI's goal towards sustainability will be accomplished using these strategies to include the utilization of free cybersecurity curriculum from RING, [www.teachcyber.org](http://www.teachcyber.org), CLARK, and CYBER.org.

The CAEs participating in the proposal at the time of submission include the City University of Seattle, University of Washington-Bothell, Green River College, University of Idaho, North Idaho College, Mt. Hood Community College, University of Montana Missoula College, Great Falls College, Regis University, Arapahoe Community College, Dakota State University, and North Dakota State.



CityUniversity  
of Seattle