

June – December 2022

CSforALL  
**Accelerator** →  
PROGRAM

**Cohort 1 | Cycle 1**  
**Impact Report**

# CSFORALL ACCELERATOR PROGRAM



Education in the United States is an inherently local endeavor, and computer science (CS) education must rely on local actors and decision makers in order to reach every learner. Building on insights from our successful programs serving school districts (via [SCRIPT](#)) and communities ([EcoSystemsforCS](#)), CSforALL is embarking on a new strategic initiative focused on accelerating high-need communities in their progress towards fundamental

standards-aligned CS education for all learners, and increased access to interest-driven CS learning opportunities. The CSforALL Accelerator Program will impact up to 10 communities per cohort, with an intended reach of 2.5 million of our nation's youth who currently lack access to equitable CS education by the end of five years.

In June of 2022, CSforALL, with the support of Capital One, announced a new initiative, the CSforALL Accelerator Program, focused on accelerating the progress of local communities towards fundamental standards-aligned computer science education for all learners, and increasing access to interest-driven computer science learning opportunities. The Accelerator Program is a cohort-model program with local communities across the United States to design and engage place-based teams during a collaborative two-year program.

"CSforALL is energized by the launch of the Accelerator Program and the first locally-driven cohort that will drive sustainable CS education for our nation's youth," **Bernell Murray, Project Director, Accelerator Program, CSforALL**. "We're planning to continue creating innovative cohorts across the nation to increase CS education opportunities that reach 2.5 million students by 5 years."



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# MISSION AND GOALS

Connecting to CSforALL's Mission

## ACCELERATOR MISSION:

The CSforALL Accelerator program aims to accelerate and empower high-need communities in their progress towards standards-aligned computer science education (CSEd) for all learners by creating awareness, building capacity, and increasing access to interest-driven computer science learning opportunities and experiences within their local communities.

In each community, a core team of stakeholders and decision-makers representing the local school district, university, and an out-of-school time provider sets goals and manages to implement their community-based computer science education initiatives. Core community teams (CCT) meet regularly to discuss and assess the needs surrounding CSEd in their community to inspire change and create action to support equitable computer science education.

## ACCELERATOR GOALS:

**Cultivate a comprehensive CS education community within all Accelerator cities.**

**Create local community support around CSEd.**

**Build awareness, capacity, and more student interest around CSEd.**

**Support CCT's development of systems for discussing and assessing local CSEd.**

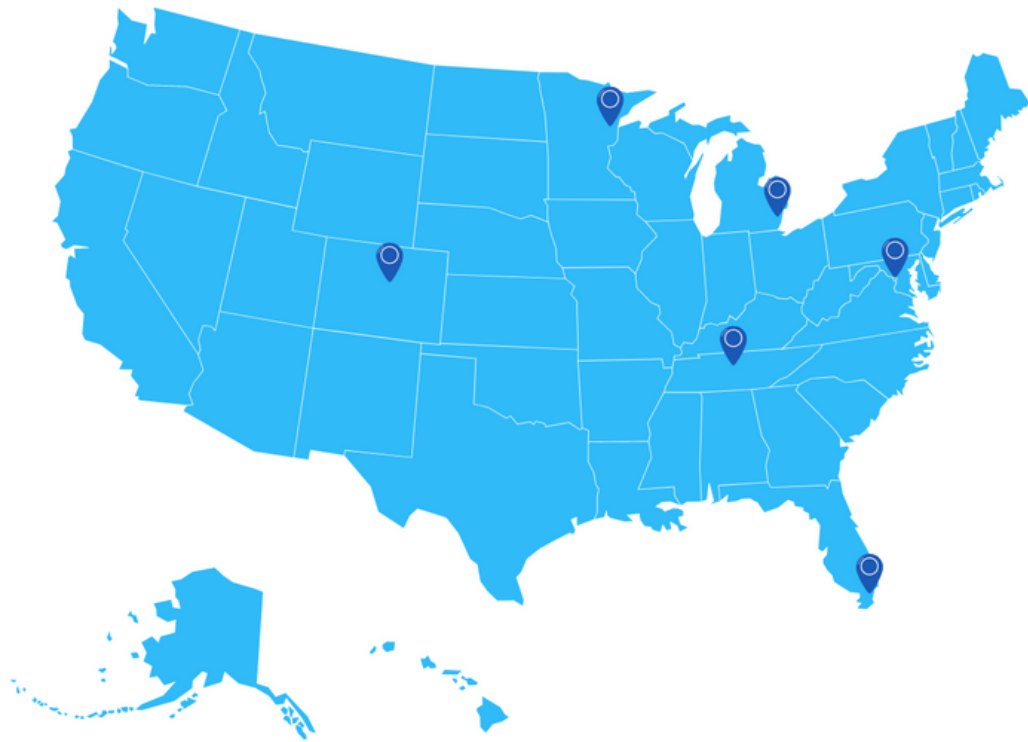
**Connect CCTs to Accelerator cohort to CSforALL member and partnering communities.**

**Increase access, interest, and participation in CSEd opportunities with all students, especially those who are traditionally-marginalized.**

# GEOGRAPHIC DISTRIBUTION

Six Cities Across the United States

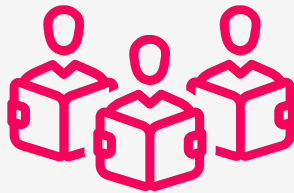
**Denver, Colorado**  
**Detroit, Michigan**  
**Duluth, Minnesota**  
**Miami, Florida**  
**Nashville, Tennessee**  
**Washington D.C.**



## POTENTIAL IMPACTS:



**1,142 Schools**



**611,874 Students**



**34,696 Teachers**



# PRELIMINARY FINDINGS: INCREASES IN CAPACITY

Denver, Colorado

Duluth, Minnesota

Miami, Florida

## Denver, Colorado



- **Elementary School offerings:** Battle of the Bots & Netsmartz programs (Boys & Girls Clubs), Girls Who Code 3-5, After School is Cool (Denver Public Library), STEM Scouts (Boy Scouts)
- **Middle School offerings:** Battle of the Bots & Netsmartz programs (Boys & Girls Clubs), Eureka (Kids Out and About), Girls Who Code 6-12, ideaLab & After School is Cool (Denver Public Schools), Robotics and Digital Technology and Engineering merit badges and STEM Scouts (Boy Scouts)
- **High School offerings:** Battle of the Bots and Girls in Technology and Netsmartz programs (Boys & Girls Clubs), Eureka (Kids Out and About), Girls Who Code 6-12, ideaLab & After School is Cool (Denver Public Schools), Robotics and Digital Technology and Engineering merit badges and STEM Scouts (Boy Scouts), Senior and Ambassador Society STEAM (Girl Scouts)

## Duluth, Minnesota

- **Elementary School offerings:** Hour of Codes throughout 10 Elementary Schools. 400 students per school (4,000 estimate total). Collaboration with Duluth Public Library for K-8 take home CS/coding kits
- **Middle School Level:** Unplugged CS Learning Opportunities in-school, FTC/FLL after-school offerings
- **High School Level:** Sphero Robotics in Physical Science courses in two high schools. 618 students enrolled; 49% girls. FRC after-school offerings

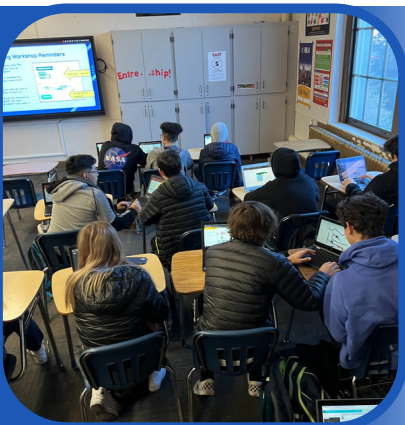


## Miami, Florida



- **Elementary School offerings:** No indicated yet (last updated Sept 2022)
- **Middle School offerings:** VEX Robotics competition (~70 students), Tech es Para Todos
- **High School offerings:** FRC Competitions ~ 30 students from Miami represented. VEX Competition ~ 210 students

# ACTIVITIES PROMPTED THROUGH PARTICIPATION



## Denver CCT: CSEdWeek

The Denver CCT provided and promoted CS events as part of CSEdWeek (December 5th - 9th) to thousands of DPS students. They focused their efforts on schools that don't have access to CS education and schools with high percentages of minority students.

Outcomes included **increasing the level of engagement** to as many school sites and classrooms in grades ECE-8 and **encouraging and receiving support from our district leadership state leadership** (Superintendent), local professional partners, and Local community leaders to promote and support CS education to as many DPS as possible.

## Duluth CCT: UMBS Family Day

The Duluth CCT hosted three hours of hands-on CS learning activities and career exploration for students and families in the Upward Bound and Upward Bound Math Science programs, which serve first-generation and low-income students in Duluth and surrounding communities, during CSEd week, aimed at **increasing awareness of and interest in computer science and computer science career opportunities**.



## Miami CCT: Tech es Para Todos!

The Miami CCT partnered with the Title I Migrant Education Program and high schools and middle schools in their immediate community. The entire program was conducted in Spanish. Students learned from a panel of industry professionals about their CS career journeys and were introduced to computer programming through a **Code/Art hands-on lesson**.

The Tech es Para Todos! event helped the coalition achieve the goal of **making access to computer science education accessible to all in the Miami community**.



# A WORD FROM THE COHORTS:

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“Our focus is about establishing a broader scope of equitability across the district so that those school sites that are not at all involved yet in some form of Computer Science Education yet exposed to that. We're looking at this sort of like a campaign of awareness if you will to really expand that footprint because it's really important we've been gaining information locally from our district itself and also from Code.org which are now and Karen (CSforALL).”

– AMERY MARTINEZ, DENVER CCT

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“So we see all these connections as a value add because the Accelerator itself allows us to formalize our efforts to build capacity for this work in the community.”

– KALISHA DAVIS, DETROIT CCT

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“We're working on developing standards aligned lessons and professional development. Our goal is to train at least 35 K-12 teachers through a number of professional development sessions. And through those PD sessions, we are hoping to reach all k- elementary students in the Duluth public schools through their library programs.”

– PAUL SCHONFELD, DULUTH CCT

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“The district is, for example, prioritizing increasing the number of students who take industry certification. They are also prioritizing outreach to women and girls in tech.”

– MAX RINGELHEIM, MIAMI CCT

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“We are getting geared up for a computer science event as well, which is next Monday. And so with that they've really worked hard for a quick turnaround and I am also thankful for the new relationships and the new knowledge that I am getting by being part of the Accelerator program. I was able to pull in one of our Nashville Partners Amazon and at the last minute , they were able to come and help out right away.”

– GIUMARRA DUHART, NASHVILLE CCT

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# THANK YOU TO OUR SPONSORS AND PARTNERS!

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