

20 25

Annual Report



A Message from our Executive Director

My Dear Beyond100K Partners and Allies,

The world may be awash in contradictions, but Beyond100K is an antidote, nurturing a community of shared spirit and practical optimism where we can act powerfully through the contradictions—together.

This report will take you into the heart of the network. But let me summarize: In 2025, a whopping 90% of you tapped in—a rate 6x the average. Our partners have prepared more than 49,000 STEM teachers in three years, with 17,000 pre-service STEM teachers from 40 partner organizations completing preparation programs in the last year alone, significantly outpacing our targets. Through professional development and other opportunities, we've supported tens of thousands of teachers more, collectively reaching millions of students. "This is a powerful network," you told us. "This is one of the most supportive and action-oriented organizations I have worked with," an "invaluable resource and opportunity to gain new insights into complex problems that plague education."

Where other organizations are stepping back, we are growing to collectively deliver on the generational work we have committed to: ending the STEM teacher shortage with equity, representation, and belonging. We are strengthening our commitment to equity to be an "island of sanity" where you can do the work that matters in support of all teachers. Because those teachers are creating STEM belonging and opportunity for their students, especially those furthest from STEM inclusion, inspiring them to be the problem-solvers and world-builders we all need.

In every survey, partners tell us that the more they give to Beyond100K, the more they get back. Beyond100K is designed to be a space where each of us is needed, where we can dream, experiment, fail, and learn, and where we come together across differences to work together, so that, instead of being paralyzed by the contradictions, we can act through them, and instead of fearing the future, we can choose to move forward together to co-create it.

We're not waiting to get started. Join us! The work begins anew each day.

Onwards and upwards,

Talia Milgrom-Elcott

Talia Milgrom-Elcott
Founder & Executive Director,
Beyond100K



OUR VISION

We envision a future where every young person—regardless of background, geography, or circumstance—has access to excellent STEM teachers who help them see what is possible for themselves and their futures.

This is the future we are working toward: classrooms of possibility, powered by excellent STEM teachers in every community.

We believe students thrive when they learn from educators who not only bring strong STEM expertise into the classroom, but who also cultivate belonging, curiosity, confidence, and connection. When students see themselves reflected in their teachers, classrooms become places where more young people can imagine themselves as scientists, engineers, innovators, and leaders.

Beyond100K aims to end the STEM teacher shortage with a focus on equity, representation, and belonging by 2043, starting with preparing 150,000 and retaining 150,000 excellent STEM teachers by 2032, especially in schools serving kids most excluded from STEM opportunity, including Black, Latine, and Indigenous communities.

Our work won't be done until we end the STEM teacher shortage with equity, representation, and belonging.

How We Do It

No single organization can solve the STEM teacher shortage alone. That is why Beyond100K brings together a network of hundreds of partners across sectors working collectively to prepare and support excellent STEM teachers while addressing the systemic causes of the shortage itself.

We serve as connective tissue across the field: aligning efforts, building trust, sharing learning, and helping partners achieve more together than any one organization could accomplish alone.

Our role is not simply to convene. It is to help create the conditions for coordinated, sustained systems change. To achieve this we:

Mobilize the Field

- We unite organizations across sectors around shared goals and commitments to prepare and retain STEM teachers.

Uncover & Address Barriers

- We identify and tackle the highest-leverage barriers driving the STEM teacher shortage through a shared systems-change approach.

Enhance Learning & Collaboration

- We foster learning, connection, and knowledge exchange to accelerate collective problem-solving and impact.

Foster Innovation

- We support partners in designing, testing, and scaling solutions that address persistent challenges in STEM education.

Disseminate & Influence

- We elevate insights, evidence, and promising practices to drive broader adoption, action, and systems change.

Reaching Our Moonshot Goal

Measuring what we've accomplished together.

Behind every number is a story of possibility: a teacher prepared, a partnership formed, a resource shared, or a new idea set in motion. Together, these milestones reflect the growing reach and collective impact of the Beyond100K network. They are evidence of the momentum being built across the field—and a reminder of what becomes possible when organizations align around a shared goal. As that momentum grows, so does our ability to create lasting change for STEM teachers and the students they serve.

49,105

STEM teachers
Prepared since 2023

21%

of all U.S. STEM
teachers reached
through partner
programs

17,682

STEM teachers
prepared in 2025

619,630

STEM teachers
supported since 2023

Fostering Collaboration

\$28,435

Awarded in
grants to 11
organizations

21

new partners
joined the
Beyond100K
network

15

new cross-
organizational
collaborations
launched

631

Individuals across 231 organizations
participated in network programming

Growing Our Reach

15,036

Unique website
visitors

11,784

Social media
followers

1,429

Newsletter
subscribers

55%

Average email
open rate

"It's a diverse and powerful network, where you can find someone who you share values with and can do meaningful work with."

— Doron Zinger, California State University, Dominguez Hills

The Power of Our Network

Our network now includes 231 organizations across sectors, geographies, and areas of expertise. Together, they are building the relationships, knowledge, and momentum needed to achieve our collective moonshot.

122

Nonprofit Organizations

47

Institutions of Higher Education

22

Foundations & Corporations

16

Museums & Science-Rich Institutions

11

Professional Associations

6

Teacher Residencies & Alternative Teacher Prep Programs

3

School Districts & Charter Management

2

Media & Arts Organizations

2

Federal & State Agencies

2025 New Partner Cohort

- Alliance for Indigenous Math Circles
- American Association of Physics Teachers
- Arizona Technology Council Foundation (SciTech Institute)
- BootUp PD, Inc.
- CMU CS Academy
- CUE San Francisco
- Council of State Science Supervisors (CSSS)
- Expanding Computing Education Pathways (ECEP) Alliance
- Learn Fresh
- Learning Technology Center (Illinois)
- Mindset Math
- National Girls Collaborative Project
- New Jersey Tutoring Corps, Inc.
- New Teacher Center
- Project Scientist
- SOTV Creators
- South Dakota Education Equity Coalition
- Tarleton State University, Math Department
- Teacher Apprenticeship Network
- The Philadelphia Regional Institute for STEM Educators (PRISE)
- UpLiFT Movement

From Connection to Collective Action

Our progress is powered by people coming together around a shared goal. Through programs and tools designed to connect partners, spark learning, and support innovation, Beyond100K helps transform individual expertise into collective action.

Together, these efforts bring our Networked Impact Model to life, helping the field move further and faster toward a future where every student has access to an excellent STEM teacher.

**Solution Labs:
The Teacher
Workforce Roadmap**

**Community
Conversations**

**Teacher Forum
Listening Sessions**

DEIB CoLab

**Collaboration
Grants**

Project Teams

**Annual Partner
Summit**

**Annual Trends Report
+ Panel**

FROM DATA TO CLASSROOMS

THE TEACHER WORKFORCE ROADMAP



Teacher Workforce Roadmap

Better data. Better decisions. Stronger teacher workforces.

To solve the STEM teacher shortage, leaders need more than good intentions—they need a clear understanding of where teachers are entering, leaving, and thriving within the profession. Yet in many states, critical workforce data lives across disconnected systems, making it difficult to identify trends, anticipate needs, and make informed decisions.

Throughout 2025, Beyond100K worked alongside state education agencies, national experts, and strategic partners to explore how stronger teacher workforce data systems could help address these challenges. Together, participants from Arkansas and New Mexico engaged in a series of learning sessions, planning workshops, and collaborative problem-solving experiences that surfaced both common obstacles and promising practices. These conversations laid the groundwork for a practical framework designed to help states better understand teacher preparation, hiring, retention, and workforce needs—creating a stronger foundation for long-term planning and action.

Looking Ahead: A New Resource for States
Check out the [Teacher Workforce Roadmap](#) released in 2026!

21

states engaged in the broader initiative

5

collaborative bootcamps convened

Teacher Forum Listening Sessions

Listening to the people closest to the work.

The future of STEM education cannot be designed without STEM teachers. Throughout 2025, Beyond100K convened educators from across the country to share what they are experiencing in classrooms right now—and what they believe teachers need to succeed.

Teachers spoke candidly about the realities of resource constraints, student engagement challenges, mentorship, preparation, and the growing role of AI. They also shared stories of joy, innovation, curiosity, and belonging that continue to inspire their work. These conversations are helping shape Beyond100K initiatives like Dream to Teach and Classrooms of Belonging, ensuring that educator voices remain at the center of our learning and strategy.

What we heard was both a reality check and a source of hope: teachers continue to identify challenges, but they are also showing us what is possible.

15+

STEM teachers
participated

10

states
represented

3

national listening
sessions convened



Collaboration Grants

When connection becomes collaboration, new possibilities emerge.

Some of the most powerful ideas begin with a conversation. Collaboration Grants help Beyond100K partners move from connection to action by creating opportunities to learn together, share expertise, and build solutions that none could create alone.

In 2025, partners used these grants to deepen relationships, explore new approaches to teacher preparation and support, and advance belonging-centered work in communities across the country. From joint planning sessions to cross-organizational learning exchanges, these investments helped turn curiosity into collaboration—and collaboration into momentum.

The stories and partnerships that emerged this year offer a glimpse into what becomes possible when organizations are given the space to learn, build, and imagine together.

Collaborating Organizations

Arizona Science Teachers Association
 Californians Dedicated to Education Foundation
 Carnegie Mellon CS Academy
 Center for Black Educator Development
 CUESF
 Deans for Impact
 Fresno County Office of Education: Count.Play.Explore
 Ignited
 Nashville Teacher Residency
 National Center for Teacher Residencies
 Northern Arizona University
 Philadelphia Education Fund
 STEMTeachersDMV
 STEMTeachersNYC
 STEMTeachersPHX

\$28,435

awarded in grants

11

organizations funded
 across universities,
 nonprofits, districts,
 and collaboratives

70%

of lead organizations
 serve or partner with
 BIPOC educators and
 students

11

Women in STEM and education convened

3

collaborative working groups established

1

Campaign established and released In 2026



Ignited + CUE San Francisco

A Collaboration Grant Bright Spot

Designing Joyful, Community-Centered STEM Systems

Sometimes the most transformative ideas come from the simplest places. For Ignited and CUESF, this collaboration grew out of an informal dinner discussion that sparked a bigger question: What could happen if we created intentional space for education leaders to dream, challenge assumptions, and design new possibilities together?

With support from a Beyond100K Collaboration Grant, that idea became reality. Eleven women in STEM and education—representing nonprofits, schools, and corporate partners—gathered for a weekend retreat designed to foster creativity, connection, and systems-level thinking. Over the course of the convening, participants explored shared priorities around equity, belonging, and teacher support, ultimately forming three working groups focused on advancing change in education.

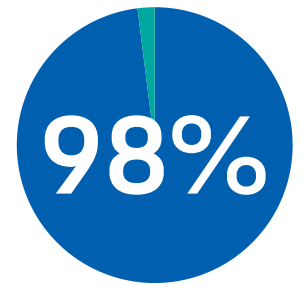
The retreat demonstrated the power of bringing together diverse perspectives across the education ecosystem. By slowing down to listen, collaborate, and co-design solutions, the group created a foundation for sustained partnerships and future innovation aimed at supporting educators and students alike.



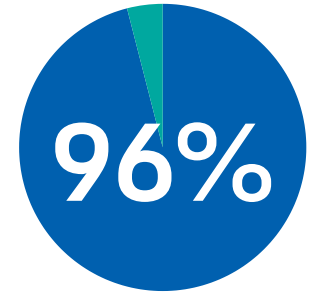


"I felt so empowered that we were able to actually come up with and create actionable items after just 2 days together! What I am taking away from this experience is the power of a group of people who are passionate, action-oriented, and want to make the education space better. I am also taking away a lot of gratitude and hope for the future of education, especially in this time in the world that feels especially dismal."

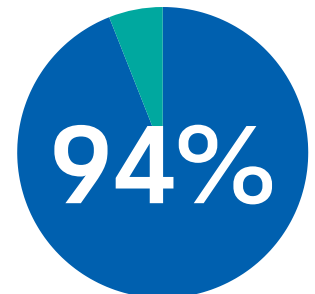
- Emily Dilger, Ignited



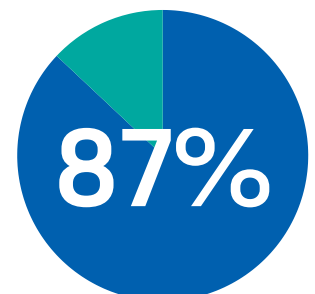
benefits of attending were worth the time invested.



experienced a sense of belonging



made new connections




reported a positive impact on their work

Annual Partner Summit

Where imagination meets action.

Each year, the Beyond100K Partner Summit brings together the people and organizations working to transform the future of STEM teaching. More than a conference, the Summit is a space for relationship-building, bold ideas, honest conversations, and collective problem-solving.

The 2025 Summit, *Cartographies of Imagination*, drew a full house of over 150 participants to chart new possibilities for the future of STEM education while staying grounded in practical action. Through peer-led sessions, bright spots, immersive experiences, and new initiative launches, partners explored some of the field's most pressing questions—from how AI will shape teaching, learning, and belonging to the launch of *Dream to Teach*, a new effort co-developed with the STEMM Opportunity Alliance to strengthen and diversify pathways into the STEM teaching profession. Along the way, partners strengthened existing collaborations, sparked new ones, and left energized for the work ahead.

A photograph of three people—two women and one man—smiling and taking a selfie together at a summit. The man on the left is wearing glasses and a blue jacket. The woman in the middle is holding a smartphone. The woman on the right is wearing a denim jacket. They are sitting at a table with a can of Diet Coke, a coffee cup, and some snacks. A name tag with a QR code is visible on the table.

“It fills my cup. Sometimes I do not get to go outside the confines of my cubicle at my state agency and interact with other like-minded people sharing the same goals. The summits are engaging, positive, and joyful.”

— Katy MacCornack,
New Mexico Public Education
Department



“There are fascinating, thought-provoking moments throughout the day. It’s a great community of bright and passionate people doing real work that matters.”

— Dave Frye,
Techbridge Girls

108

organizations
represented

28+

presentations and
sessions led





"It's so important for us to be in community during these times of uncertainty. It has given me renewed strength to continue our good work."

— Community Conversations Participant

SHORTAGE
Leveraging Data to
Diversify Teacher Pathways

LEARNING POLICY INSTITUTE UTeach Institute

Featuring
Terry Chavis
Senior Curriculum and
Instruction Officer,
AISES

**ENHANCING
TEACHER
PATHWAYS IN STEM**

building affirming, equity-driven STEM learning

AISES Beyond 100K

Community Conversations

Big questions. Honest conversations. Shared solutions.

The challenges facing STEM education are too complex for any one organization to solve alone. Community Conversations create space for partners to bring questions, share lessons, and learn alongside peers navigating similar opportunities and challenges.

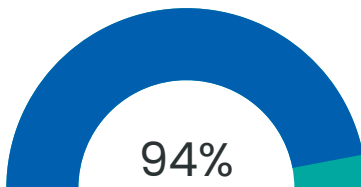
Across topics ranging from teacher preparation and retention to belonging and emerging trends, these conversations transformed individual experiences into collective knowledge. Partners left with new ideas, practical strategies, and stronger connections to a community committed to improving outcomes for STEM teachers and students.

4

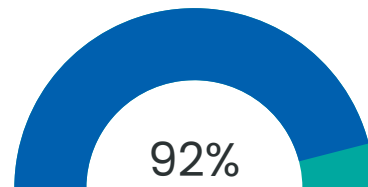
Sessions hosted

108

Individuals across
69 organizations
attended



of attendees
reporting a sense of
belonging



of attendees left
sessions feeling
more inspired or
optimistic

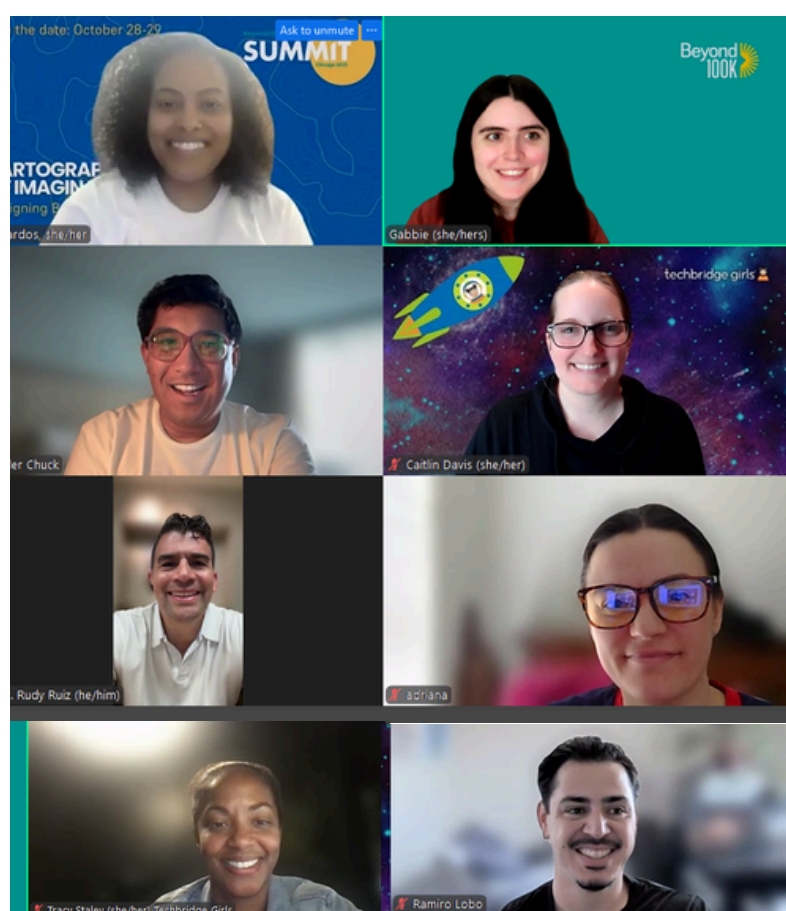
DEIB CoLab

Turning shared values into shared practice.

Belonging does not happen by accident. It is built through intentional choices, thoughtful design, and a willingness to learn together. The DEIB CoLab brings partners together to help ensure diversity, equity, inclusion, and belonging remain at the heart of how we pursue our collective moonshot.

In 2025, CoLab members worked alongside Beyond100K to co-create a new DEIB Framework informed by research, lived experience, and the realities facing organizations across the network. The process itself became a model of what the framework seeks to foster: trust, community, dialogue, and action rooted in care and accountability.

The framework emerging from this work is more than a resource—it is a reflection of the values and aspirations our network shares.



Participating Organizations

American Federation of Teachers
American University/City Teaching Alliance
California State University, Office of the Chancellor
Deans for Impact
EdTrust
EnCorps
EnCorps STEM Teachers Program
Fort Hays State University
James Madison University
Lawrence Hall of Science, UC Berkeley

7

collaborative
design sessions

85%

average
participation rate

100%

reported improved
ability to design
and lead for equity

Project Teams

Building solutions together—and sharing them with the field.

Project Teams are where collaboration becomes creation. Each year, partners from across sectors come together around a shared challenge and spend 6-9 months designing, testing, and refining solutions that advance belonging and address some of the most persistent barriers facing STEM education.

In 2025, educators, researchers, nonprofits, state agencies, and higher education leaders worked side-by-side to create tools, frameworks, and resources that can benefit organizations far beyond their own teams. Along the way, participants strengthened relationships, sharpened ideas, and demonstrated what becomes possible when diverse perspectives work toward a common goal.

The resources produced represent not only the work of individual teams, but the collective ingenuity of a network committed to making STEM education more equitable, inclusive, and effective.

Project Teams Created

- Tiny Innovators: A Toolkit for Creating an ECE STEAM Makerspace
- Just STEM School Administrators: Exploring Teacher and Administrator Perceptions of Current Conditions and What Just STEM Leadership Looks Like
- Leveraging Data Literacy to Foster a Sense of Belonging in Young Learners
- Cultivating Inclusive STEM Curricula
- Guidelines for Fostering Belonging in Preschool PD
- Fostering Belonging for BIPOC Teachers



58

participants from 47 organizations



6

partner-led projects completed



92

collaborative sessions convened

I think it is so valuable to get to work with colleagues across the nation and in positions/fields related, but not necessarily, exactly the same as your own. I also appreciate the focus on concrete work and the structure and support from Beyond100K to ensure that work is being completed.

– Project team participant

Just STEM Leadership

A Project Team Bright Spot

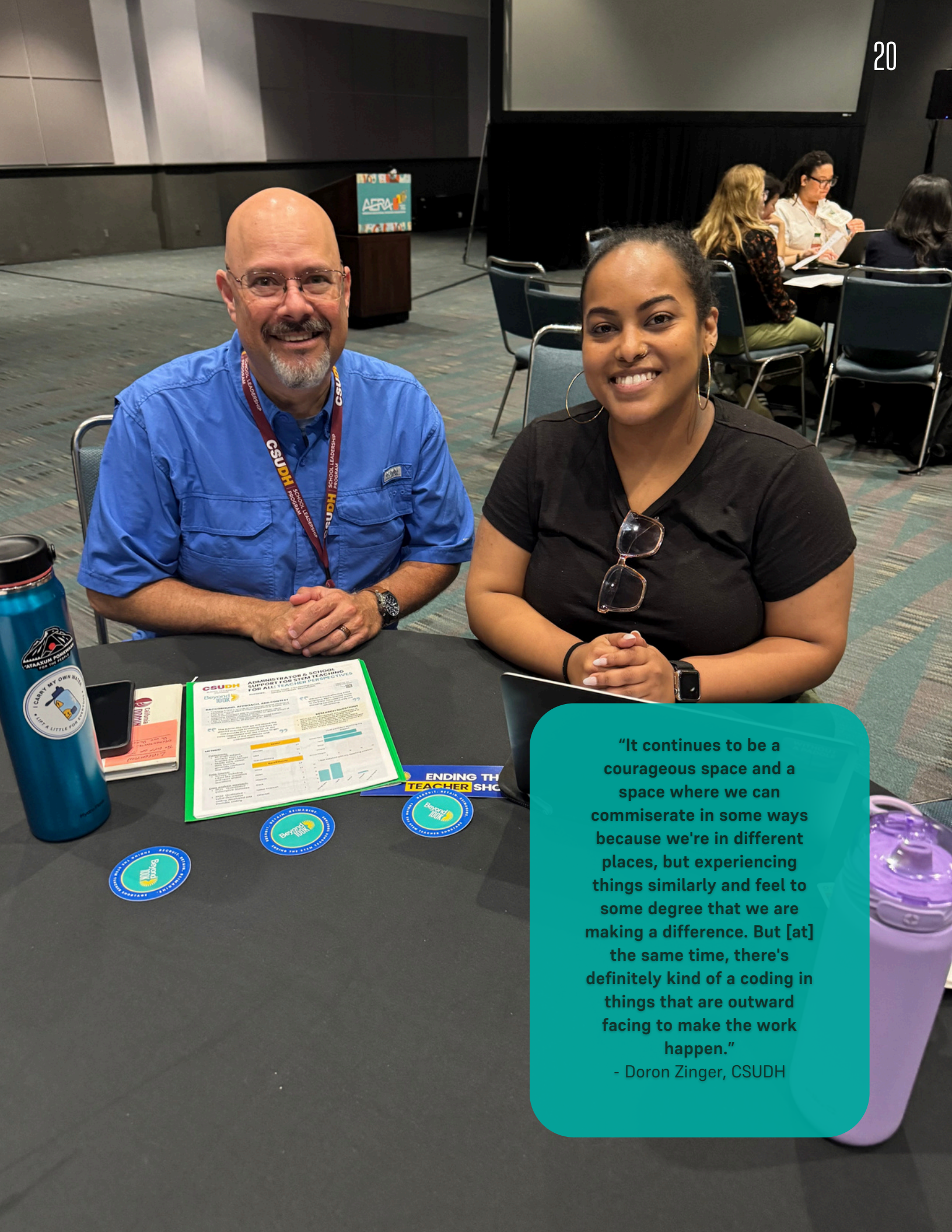
Supporting Teachers Through Equity-Centered School Leadership

Excellent STEM teaching cannot thrive without strong, justice-centered school leadership. Across K–12 schools, many STEM teachers—especially Teachers of Color—are asked to create rigorous, relevant, and inclusive classrooms without the administrative support, collaboration structures, or community connections needed to sustain that work. This Project Team explored what it would take for school leaders to better understand and support equitable STEM instruction, and what “just STEM leadership” looks like in the daily conditions teachers experience.

Through survey development, collective reflection, and honest conversation, the team began shaping a practical profile of the competencies and dispositions needed from equity-centered STEM administrators. Just as importantly, the Project Team created a space where participants could slow down, process the realities of the moment, and strategize together with care. In a year when DEIB work was increasingly under pressure, the team used the protection and possibility of the Beyond100K network to keep moving the work forward, balancing courage with care, and turning reflection into tools that can help schools better support teachers and students alike.

Work from this project team led to a publication in *Science Scope* and presentation at AERA in 2026





“It continues to be a courageous space and a space where we can commiserate in some ways because we’re in different places, but experiencing things similarly and feel to some degree that we are making a difference. But [at] the same time, there’s definitely kind of a coding in things that are outward facing to make the work happen.”
- Doron Zinger, CSUDH

Raising the Bar for Culturally Responsive Curriculum

A Project Team Bright Spot

What makes STEM curriculum truly high-quality? For this Project Team, the answer extended beyond academic rigor to include belonging, cultural responsiveness, and the ability for students to see themselves reflected in their learning. Bringing together educators, researchers, and curriculum leaders from across the country, the team worked to address a persistent gap in STEM education: the lack of shared standards for evaluating instructional materials through an equity-centered lens.



“The people that I meet that are interested in doing that work [talking about what is changing in terms of policy at the state level and how that is impacting students and teachers] and do that on a daily basis does give me excitement and I have some optimism there.”

— Project Team Participant

The result was Curriculum Insights & Recommendations—a practical resource designed to help educators, districts, developers, and decision-makers better understand what inclusive, high-quality STEM curriculum can look like in practice. Beyond the resource itself, the team created something equally powerful: a space where participants could think strategically, navigate complexity together, and continue advancing equity-centered STEM learning with both courage and care.

Conference
proposals
accepted

National
Science
Teaching
Association



National
Council of
Teachers of
Mathematics



87%

of participants
indicated they will
share what they
learned with their
organization

Participating Organizations

- ASSM/New Jersey Department of Education
- Bay Area Discovery Museum
- Benjamin Banneker Association
- Benjamin Franklin High School (New Orleans, LA)
- California State University, Dominguez Hills
- California State University, Office of the Chancellor
- Call Me MiSTER
- Carnegie Science Center
- Charles A. Dana Center
- City Teaching Alliance
- Dana Center
- Data Science 4 Everyone
- Ed Reports (Not a Partner Org)
- Edifying Teachers
- Explora
- Fort Hays State University
- Hawthorne Elementary
- Ignited
- Independent Scholar
- Institute for School Partnership at Washington University in St. Louis
- Intrepid Museum
- James Madison University
- KID Museum
- Knowles Teacher Initiative
- Loyola University Chicago
- MiSTEM at the State of Michigan
- James Madison University
- KID Museum
- Knowles Teacher Initiative
- Loyola University Chicago
- MiSTEM at the State of Michigan
- PhET Interactive Simulations, University of Colorado Boulder
- President Association of State Supervisors of Mathematics, Arizona Department of Education
- Public Education and Business Coalition (PEBC)
- Science Friday Initiative
- Science is Elementary
- South Carolina's Coalition of Mathematics and Science / S2TEM Centers of SC
- STEM4Real
- The League of Young Inventors
- Tulsa Regional STEM Alliance
- University of Chicago
- University System of Maryland
- Urban Schools Human Capital Academy
- USC Rossier School of Education
- Washington STEM
- WashU's Institute for School Partnership
- WestEd

85%

of partners provided insights to inform the report

17

partners featured in the 2025 report

2,677

views of the report

2025 Trends Report + Panel Event

Turning emerging signals into collective action

The future rarely arrives all at once. It emerges through small signals, shifting priorities, new ideas, and the people willing to imagine what comes next.

The 2025 Trends Report brought together perspectives from across the Beyond100K network to identify the forces shaping STEM education right now—from AI and mentorship to policy advocacy, belonging, and changing economic realities. While the trends themselves varied, a common thread emerged: the future will belong to those willing to adapt, collaborate, and remain grounded in both possibility and purpose.

At our annual Trends Panel, leaders from across sectors explored what these changes mean for educators, students, and communities. Their conversation challenged assumptions, surfaced new opportunities, and reinforced a belief that has long guided Beyond100K's work: transformational change is possible when people unite around a clear goal and a shared vision for the future.

Together, the report and conversation served as both compass and catalyst—helping the field navigate uncertainty while collectively imagining what could be possible next.



“Change takes time. And in order to sustain people through the time it takes—and the tenacity through the disappointments—it requires a clear goal, a clear strategy, and hope. You have to convey hope.”
— Evan Wolfson
Freedom to Marry



Allison Socol



Vince Steyer

‘We want to foster belonging in the field, But we also need to see our teachers in their full humanity.’

— Dr. Rudy Ruiz
Edifying Teachers



Dr. Rudy Ruiz, Edifying Teachersox::multE

Putting it All Together: The Dream to Teach CoLaboratory



EVERYONE WHO DREAMS
TO TEACH DESERVES THE
OPPORTUNITY AND
SUPPORT TO DO SO.

Expanding pathways for those who dream of becoming STEM teachers.

Across the country, there are talented, passionate people who want to become teachers—and too many barriers standing in their way. Dream to Teach began with a bold question: How might we stabilize and diversify the STEM teacher workforce by making it easier for aspiring teachers to enter and thrive in the profession?

Shaped by a Brain Trust of **24 partners** and grounded in extensive research and field engagement, Dream to Teach surfaced both the challenges facing aspiring educators and the promising pathways emerging across the country. The initiative is helping Beyond100K and our partners think and act differently about preparation, support, belonging, and the systems required to grow a stronger, more representative STEM teacher workforce.



views of the report
since its release



research sources
synthesized

Participating Organizations

American Federation of Teachers
American University/City Teaching
Alliance
CSU Office of the Chancellor
Deans for Impact
EdTrust
EnCorps
EnCorps STEM Teachers Program
Fort Hays State University
James Madison University
Lawrence Hall of Science, UC Berkeley

Learning Policy Institute
Nashville Teacher Residency
Prepared To Teach
Techbridge Girls
Tennessee Educators of Color Alliance
The Hunt Institute
University of Colorado Boulder
University of Indianapolis
University of Louisville
Western Governors University
WGU School of Education



Stumbles + Learnings

#1: Retention Measurement

Stumble:

In setting our second decade goal, we committed to not only preparing 150,000 STEM teachers but retaining 150,000 STEM teachers, too. We knew the first challenge would be measuring retention. It's simply not something the field does well – and is almost unheard of in the nonprofits who do the most essential frontline work of supporting in-service teachers. Our measurement CoLab sourced and created several options for organizations to start to measure retention, but only 13 organizations have employed the tools to date.

Learning:

In 2025, we committed to supporting organizations in measuring retention as it correlates to teachers' work conditions. This work is central to our Teacher Work Environments CoLab, which will launch formally in September 2026. We already have 30 partners interested in joining to help us measure what makes teachers stay.

#2: CoLabs: Organizing Our Work & Telling a Clearer Story

Stumble:

Though our network continued to grow, partner engagement was solid, and a strong base of funders understood and supported our work, we found it increasingly challenging to explain our work succinctly and clearly, making it harder than we wanted for people to find the right point of entry.

Learning:

We introduced CoLabs, our collaborative learning and action micro-networks. Four CoLabs, one for each focus keystone opportunity, to organize and coordinate all programs related to those high-leverage areas. Any partner working on one of those areas – or interested in learning more – would be part of the CoLab; funders could channel their support to the CoLabs most aligned with their priorities. That clarity yielded stronger partner engagement and funder alignment.

#3: From Interest to Investment

Stumble:

By 2025, the interest in addressing state-level, teacher-workforce data systems was high – not only was it the only keystone or highest-leverage challenge to show up twice in our grand challenges map, but it was coming up in local news coverage and state-level conversations all over the country as a key driver of the acute teacher shortage. When we pulled interested states and partners together in spring 2024, we had over 24 active participants looking to take action together. But moving from interest to investment turned out to be more challenging than expected. It was hard for states to procure the funds, even if they were committed, and only three states were able to co-invest.

Learning:

The work itself was right. The model needed iteration. We don't walk away from this thinking teacher workforce data systems aren't worth pursuing — they absolutely are, and states are continuing to mobilize to address the gaps. The field needs exactly what [this Roadmap](#) offers. What we learned is that this kind of technical, infrastructure-heavy work requires a longer runway, a differently structured partnership model, and possibly a different organizational lead. We're proud of what we built. We're honest that the path to impact will look different from what we imagined, and we remain committed to sharing our learning as part of a collective of organizations leaning into this work.

Looking Ahead

When we launched Beyond100K in 2022, we set an ambitious goal: prepare 150,000 STEM teachers and retain 150,000 more. Not because it would be easy, but because we knew it would require something larger than any one organization could accomplish alone.

Over the last three years, our network has grown in size, trust, and shared understanding. In 2025, we saw what becomes possible when partners come together to learn from one another, challenge assumptions, share expertise, and build toward a common future. We also learned important lessons—about who needs to be in the room, about how belonging must be measured and not just intended, and about what it takes to move from interest to investment and from ideas to action. And in 2026, we will build on that foundation through four new CoLabs, each focused on one of our highest-leverage challenge areas.

We believe lasting systems change happens when people closest to a challenge have the opportunity to learn, build, and act together. The work ahead is ambitious, but so is the collective expertise, commitment, and imagination of this network.

The momentum is growing. The work continues. And together, we are continuing to turn possibility into progress, and progress into lasting change.

A GLIMPSE OF THE FUTURE

"What future are you imagining?"

STEM Activity: Design and Demonstration

By: Bhesh Raj Mainali
Rider University, New Jersey

Rider University hosted a free half-day event dedicated to Science, Technology, Engineering, and Mathematics (STEM) for high school students. This event was part of the implementation grant by Beyond100K.

One of the main attractions of the event was the science exhibition, which was filled with engaging activities designed to showcase STEM education through presentations, panel discussions, and interactive demonstrations designed by the high school students.



High school students during the opening ceremony for opening talk, "Enhancing belonging with STEM teacher."

From East Oakland to the Universe

By: Angel Valerio,
Farmer HS Science Educator

For many years, I led groups of high school students from East Oakland, California into nature: from day hikes in the East Bay hills to camping trips on Angel Island and in Yosemite. For many, these were their first meaningful experiences outdoors, opening a door to wonder, connection, and belonging.

Today, as young adults, some of these students return to nature on their own. Some revisit the trails we once hiked together, while others travel across the world to climb mountains they never could have imagined. These photos trace that arc, showing how school-based opportunities in nature can spark lifelong relationships and how belonging in STEM and the outdoors begins with access, curiosity, and care.



Students hiking in Ueno Canyon in June 2014.

Thank you to our amazing funders



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The Broadcom Foundation

Burroughs Welcome Fund

The Chan Zuckerberg Initiative

CME Group Foundation

The Grable Foundation

The Heising-Simons Foundation

The Lemelson Foundation

The Samueli Foundation

Tiger Global Impact Ventures

Voya Financial



Thank you to our incredible advisors

Billy Almon
Eric Berlow
Peggy Brookins
Jake Bryant
Ruthanne Buck
Nadya Dabby
Susan Wolf Ditkoff
Seewan Eng
Orville Jackson
Grace Kim
Caroline Kronley
Christine Lai
Ellen Moir
Sonya Pryor-Jones
Chris Rush
Regina Schofield
Joaquin Tamayo
Marla Ucelli-Kashyap
Sherese Ward
Josh Wright

And to our phenomenal Teacher Forum Members

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And thank you to our wonderful team!



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