Infosys Foundation USA

INFOSYS FOUNDATION USA

YEAR IN REVIEW

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LETTER FROM OUR EXECUTIVE DIRECTOR

Innovation, creativity, and resolve. These words are the hallmark of a year in which K-12 educators, students, curriculum developers, and the wider community pushed through the choppy waters of a pandemic, never yielding in their commitment to prepare the next generation for 21st-century opportunities that require a large scale investment in digital skill-building.

We believe in the potential of every student to seize opportunities in a technology-enabled economy, and we know that starts with their capable and confident educators. The Infosys Foundation USA is proud to have enabled professional development opportunities, spotlights for STEM education in the media, recognition of exceptional computer science educators, as well as those who advanced maker education in our schools, libraries, museums, and youth-serving organizations over the past year.

Our impact is achieved through dynamic partnership. We are grateful to all who make our work possible each year, including the dedicated computer science and maker educators who are changing the landscape of K-12 education in the US. Select collaborators include the Computer Science Teachers Association; the Thurgood Marshall College Fund; Teach for America, Code.org; Televisa Foundation, Birdbrain; Elementari; Show the Good; CSforAll, Family Code night, Hearts/Litton TV; Boys & Girls Club of Hartford; Tech Kids Unlimited; the College of St. Scholastica; PENCIL; Maker Ed; Digital NEST; the Micro:bit Foundation; the Raspberry Pi Foundation; Digital Promise; Tynker; New York Academy of Sciences; GoldiBlox; Black Girls Code; and many others who say 'yes' to jointly empowering the next generation.

We would also like to acknowledge our close collaboration with Infosys Foundation USA Trustees, the Infosys CSR Council, the Diversity, Equity and Inclusion Council, and many others throughout the Infosys network and wider community who serve as ambassadors of our mission.

Onward to a wide-reaching, impactful new year with plenty of in-person engagement and digital learning!

Katherine E Maloney

OUR COMMITMENT TO K-12 EDUCATORS

Virtual Pathfinders Institutes

The Pathfinders Summer Institute was launched in 2018 as a first-of-its-kind in-person computer science and maker education professional learning experience for K-12 public school teachers. In 2021, rather than meeting in person, teachers gathered online via a virtual campus in February and in June to deep-dive into coding, robotics, and making curriculum. These conferences are estimated to have made an impact on thousands of students in the classroom this past year.

"ALL of the instructors did such an amazing job, to the point I forgot the event was virtual. This is by far the BEST virtual and in-person event I have EVER attended! Thank you all for ending the summer with a BANG!"
-Sheriann Clausnitzer, Georgia Institute of Technology

Since **2018**:
2,219 attendees

In **2021**:
721 attendees
from **47** states

Pathfinders Online Institute

The Pathfinders Online Institute, part of the wider Infosys Springboard commitment to digital literacy, provides exclusive maker education and computer science content to K-12 teachers, students, and families. These free online resources include professional development courses, lesson plans, live events, and other instructional materials. Throughout 2021, the Foundation worked closely with leading curriculum developers to increase the curated offerings. In the future, additional content will be added in response to the requested needs of K-12 educators who are committed to preparing their students for the 21st-century digital economy.

53 courses and activities
12,603 platform users
446,000 students reached
6,500+ free materials offered

OUR COMMITMENT TO K-12 EDUCATORS CONT.

Materials Match Offers in partnership with DONORS CHOOSE

In 2021, the Foundation teamed up with DonorsChoose to match donations for CS and maker-ed projects by qualified K-12 public school teachers. Read more below!

EVENT	EXTERNAL FUNDS RAISED	RESULTS
Pathfinders Summer Institute July 2021	Raised $11,712.70 in external funds for K-12 CS and STEM projects.	• 84 projects created • K-12 teachers from 76 unique schools
Giving Tuesday November 2021	Raised $155,793 in external funds for K-12 CS and STEM projects.	• 585 projects created • K-12 teachers from 502 unique schools

CS Teaching Excellence Awards

The Foundation sponsors the CS Teaching Excellence Awards in partnership with the Computer Science Teachers Association annually. This program recognizes outstanding K-12 CS educators nationally. In 2021, a total of **$95,000** was awarded to **10** national winners, **5** honorable mentions, and **15** regional awardees.

National Winners:
- **Mary Ann Cassidy,** Fernwood Avenue Middle School, NJ
- **Kathleen Effner,** Parsippany High School, NJ
- **Dr. Tamika Grizzle,** Mableton Elementary School, Douglasville, GA
- **Benadette Manning,** Boston Public Schools, Boston, MA
- **Monika Moorman,** Central Park Elementary, Plantation, FL
- **Regina Nadbielny,** Scholars Academy, Orange, NJ
- **Kyle Pierre,** NYC Department of Education, Greens Village, NY
- **Jeremy Schwartz,** University of Chicago Laboratory Schools, Chicago, IL
- **Sonia Spindt,** Coliseum College Preparatory Academy, Albuquerque, NM
- **Barbara Teterycz,** Capital High School, Santa Fe, NM

Kathleen Effner

Kyle Pierre

Dr. Tamieka Grizzle

Jeremy Schwartz

ADVANCING CS THROUGH MAKER ED

Infosys Foundation USA believes that maker education provides multiple pathways for all students to engage in hands-on computer science in ways that are personally meaningful, culturally relevant, and educational. All K-12 students must have the opportunity to create the solutions, technologies, and products that prepare them for the 21st-century economy address important challenges to make their communities—and the world—a better place.

Infy Maker Awards

In 2021, the Foundation delivered its Infy Maker Awards with the theme "Empowering Students to Engage in Making Remotely." Applicants include K-12 schools, museums, libraries, and youth-serving organizations that promote interdisciplinary learning and maker education. The Foundation convened a panel of external judges to help select the 10 awardees, who are each given a $10,000 grant that can be used for materials, professional development, student projects, research, community engagement, and more. Since its start in 2016, the program has given away over $1 million.

2021 Winners:
- K-12 Schools
  - Komarek School District 94 (North Riverside, IL)
  - North Carolina Central University Fab Lab (Durham, NC)
  - SouthTech Schools (Boynton Beach, FL)
- Nonprofits
  - Gizmo-CdA (Coeur d'Alene, ID)
  - Ohio Energy Project (Worthington, OH)
  - The University of Montana spectrUM Discovery Area (Missoula, MT)
- Libraries, Museums, and more
  - The Birmingham Public Library (Birmingham, AL)
  - Carroll County Public Library (New Windsor, MD)
  - Kidspace Children's Museum (Pasadena, CA)
  - North Carolina Central University Fab Lab (Durham, NC)
  - Opera on Tap (Brooklyn, NY)
  - The University of Montana spectrUM Discovery Area (Missoula, MT)

Capitol Hill Maker Faire

The Foundation sponsored the Capitol Hill Maker Faire, during which Executive Director Kate Maloney presented 'Education Post-Pandemic: Bridging Learning Divides Through Making,' featuring two Infy Maker Award winners. The event had 419 attendees, including Congressional reps, schools, state and local governments, and 7 federal agencies.

Nation of Makers Conference

The Foundation supported the 2021 Nation of Makers conference that brought together maker movement leaders. The Foundation's panel, 'Putting Community at the Center of Maker Education,' featured three winning organizations.

DIVERSITY, EQUITY, AND INCLUSION SPOTLIGHT

The Foundation strives to include the core principles of diversity, equity, and inclusion initiatives in all of its endeavors. From supporting programs focused on empowering low-income communities of color to incorporating neurodiversity in the curation of Pathfinders Online Institute curriculum, the Foundation has collaborated with a number of leading institutions with a similar mission.

01 — The Thurgood Marshall College Fund

In 2021, the Foundation launched a key partnership with Thurgood Marshall College Fund to support their Teacher Quality and Retention Program (TQRP) Summer Institute in July 2022 for 100 Black STEM teachers, creating an impact for around 10k students.

02 — Black Girls Code and GoldieBlox

The Foundation partnered with Black Girls Code and GoldieBlox to produce the 'Coding Music with Python' course on the Infosys Springboard/Pathfinders Online Institute. This curriculum centers the voices of Black students and educators to improve representation in the field. In addition, the partners hosted a Twitter Space during CS Education Week to advance the importance of inclusion in coding.

03 — NCWIT Broadening Participation in CS Series

In collaboration with NCWIT (National Center for Women and Information Technology), the Foundation funded a six-part Broadening Participation in CS webinar series addressing the importance of girls' and women's meaningful and influential participation in tech innovation.

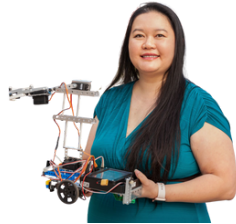### 04 — CT Lt. Governor's Computing Challenge

The Foundation is a leading sponsor of the Connecticut Lt. Governor's Computing Challenge, an event that invites low-income and minority students grades 3-8 to develop a computing solution that inspires health and wellness for all.

COMMUNICATIONS HIGHLIGHTS

Hearst/Litton TV; CBS Mission Unstoppable
On July 3, the Miranda Cosgrove-led CBS TV program aired a spotlight on San Diego middle school teacher Phet Pease, an alumnus of the Pathfinders Institute. The segment had 21.3 million impressions and press coverage reached 1.4 million unique visitors across news outlets.
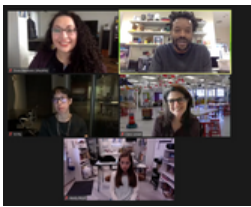
PENCIL's Infy App Challenge 2.0
The Infy App Challenge encouraged teams of NYC high school students to design and develop an app to benefit their community under the guidance of Infosys mentors.

Computer Science Education Week 2021
December 6-12, the Foundation hosted a series of events to celebrate the theme #CS Everywhere. Highlights included the CS4DLH launch event for K-12 teachers; a Black Girls Code Twitter Space; and sponsorship of the virtual Capitol Hill Maker Faire.

Computer Science K-5 Summit
The Foundation sponsored the first-ever national CS K-5 Summit, with 1,400 registrants and participants from 40 states in a commitment to K-5 CS education. The aligned with a KODE5 Pathfinders Online Institute course.

Timeline

Jan. 25
Launch of CT Lt. Governor's Computing Challenge

Feb. 12-15
Pathfinders Winter Institute

Feb. 15
TKU Codes
Tech Kids Unlimited and the Foundation partnered on a day-long coding workshop event for neurodiverse students.

March 9-11
SXSW EDU 2021
The Foundation participated in this virtual conference through a booth and an educator panel focused on teaching in the pandemic.

April 7
Boys and Girls Club of Hartford 3D Printing Challenge
The Foundation-sponsored makerspace put on a 3D Printing Challenge for students in the community.

June 24
Infy Maker Awards and PENCIL Infy App Challenge winners announced

July 3
Mission Unstoppable programming airs on CBS

July 18-23
Pathfinders Summer Institute

Sept.-Oct.
Hispanic Heritage Month
The Foundation launched key partnerships with the Televisa Foundation and Digital NEST.

Sept. 22
Computer Science K-5 Summit

Nov. 29
Giving Tuesday
In partnership with DonorsChoose, the Foundation offered a 2x match for educators' computer science projects.

Dec. 6-12
Computer Science Education Week

SUMMARY OF 2021 GRANTS

Throughout 2021, Infosys Foundation USA worked to provide funding to a wide variety of organizations, including a number of new partners. Each project is designed to reach teachers, students, and communities through the promotion of K-12 computer science and maker education. Below, find a table of projects launched and/or executed throughout the year, as well as some key points about their purpose and impact.

Organization	Project Name	Key Points
College of St. Scholastica, Inc.	CS4DLH Project	- Involved 70 teachers from 11 Title 1 Schools throughout Minnesota
Teach for America	Teach for America: Expanding Equitable and Excellent CS Learning Opportunities	- Reached around 339,700 students - Involved 4,732 teachers from 1,988 schools
Micro:bit Educational Foundation	Micro:bit Content Creation and Device Donation for Title 1 Schools	- Reached 23,850 students, 477 teachers, and 88 rural schools from all 50 states
DonorsChoose	Donors Choose and Infosys Foundation USA Pathfinders Summer Institute Match Offer	- Funded 84 projects from 72 schools - Raised over $11k in external donations
National Center for Women and Information Technology	NCWIT AspireIT Toolkit and Content Series	- Hosted first 5 webinars in content series - 93 total attendees, 97% satisfaction rate
Family Code Night	National Kode5 Launch Funding	- Engagement with 7,000+ families during series of virtual coding nights
Code.org	Expanding K-5 Computer Science Education through Teacher Engagement	- 4,000+ teacher CS workshop attendees - 3.6+ million CS Fundamentals course starts
Birdbrain Technologies LLC	BirdBrain Technologies Pathfinders Online Institute Courses	- Secured free 100 Finch Robot 2.0s and 100 Hummingbird Robotics Kits for educators
New York Academy of Sciences	Enhancing K-12 Professional Learning through Micro-Credentials	- Offered 525 micro-credentials through Pathfinders Online Institute course
Elementari LLC	Elementari License provision program	- Provided 1,000 free premium licenses through Pathfinders Online Institute course
MakerEd	Learning in the Making: A Partnership with Infosys Foundation USA	- Launched free five-part webinar series on Pathfinders Online Institute
MV Gate, Inc. and CS is Elementary	Kode5 Launch Grant Extension	- Expansion of Family Code Night funding for national CS elementary summit
Black Girls CODE	Code Along	- Code Along course on Pathfinders Online Institute, including 'How to Code a Song'
Digital NEST	Infy Latinx Scholars Program	- Funded media campaigns and scholarships during Hispanic Heritage Month
Televisa Foundation	Cuantrix HHM	- Launched partnership with Foundation during Hispanic Heritage Month
Ready CT	Pathways to Advancing Computer Science for Connecticut	- Funded webinar series with an anticipated reach of 500 CT teachers in 2022
Computer Science Teachers Association	CSTA x Infosys 2022 Partnership	- Annual support of CS Teaching Excellence Awards, reaching 30 total awardees
Thurgood Marshall College Fund	TQRP Infosys Summer Institute STEM Sponsorship	- Launched partnership to support Black STEM scholars at 10-day summer training
Raspberry Pi Foundation	Pathfinders Online Institute - Raspberry Pi Learning Modules	- Provided 1,000 free hardware kits through Pathfinders Online Institute course
Girl Scouts of Connecticut	CT Lt. Governor's Computing Challenge	- Reached 372 students from 66 schools - 54% of participating students were female

20 GRANTS FOR PROJECTS WITH A START DATE FROM 1/1/2021 TO 12/31/2021

ABOUT OUR TEAM

The impact achieved by the Foundation would not be possible without our dynamic, hard-working team. Below, meet the individuals behind the 2021 activities:

Amrita Naik
Head of Partnerships
& Programs

Anurag Vardhan Sinha
Trustee

Anurag Varma
Trustee

Bethany Quinn
Corporate Security and
General Counsel

James Mazzulo
Communications
Associate

Katherine Maloney
Executive Director

Ravi Kumar S.
Trustee

Skyler Mattson
Trustee

Srikantan "Tan" Moorthy
Trustee

Stephanie Santoso
Senior Program Fellow

We thank you for helping us deliver inclusive digital skills across the K-12 landscape.

Contact

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