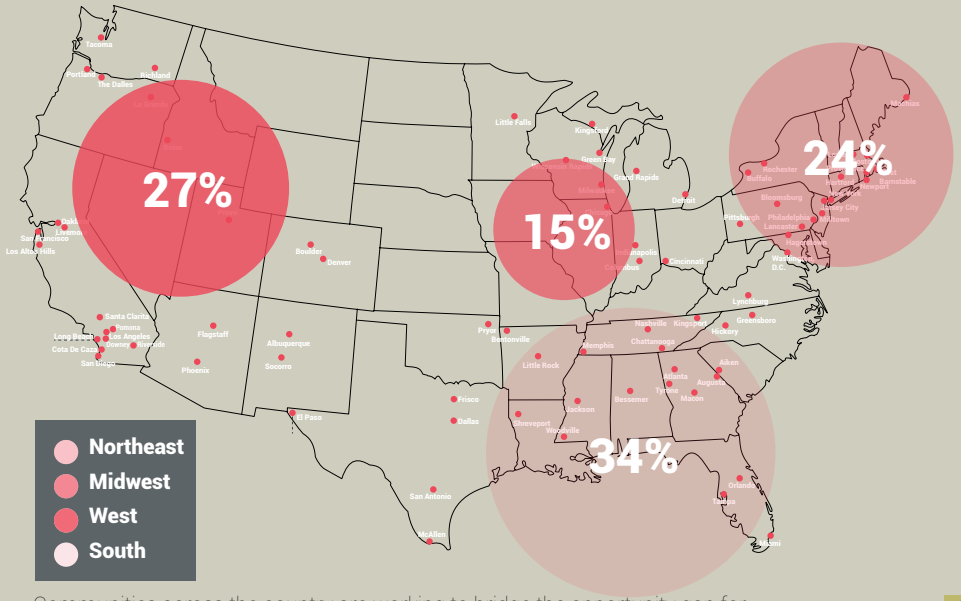
US2020 STEM Coalition Challenge

A national response to spur collective action and bring quality STEM mentorship and maker-centered learning opportunities to underrepresented students

On October 10, 2017, US2020 launched the STEM Coalition Challenge, a national call to action for communities across the country to propose innovative approaches to bridge the opportunity gap for underrepresented students through STEM mentorship and maker-centered learning through cross-sector partnerships.

The response from communities was overwhelming - 92 communities, representing 1,947 partners proposed their approaches to bring more STEM mentorship opportunities to students in creative and compelling ways.

A national response to bridging the opportunity gap

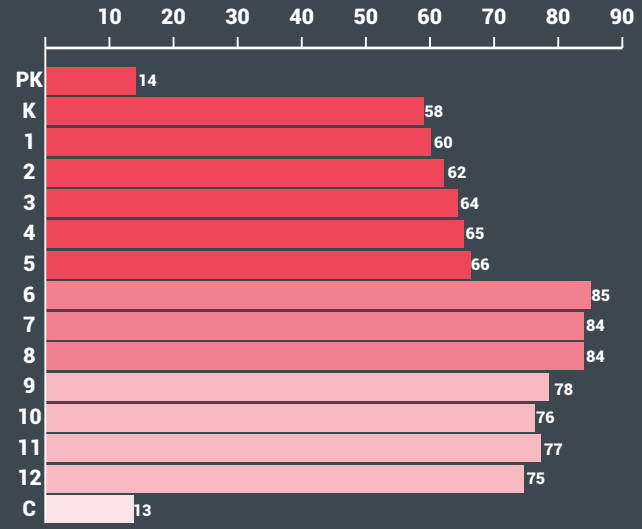


Communities across the country are working to bridge the opportunity gap for underrepresented students. Of the 92 applicants, 24% came from the Northeast, 34% came from the South, 15% came from the Midwest, and 27% came from the West.

Targeting students at all stages of their lives

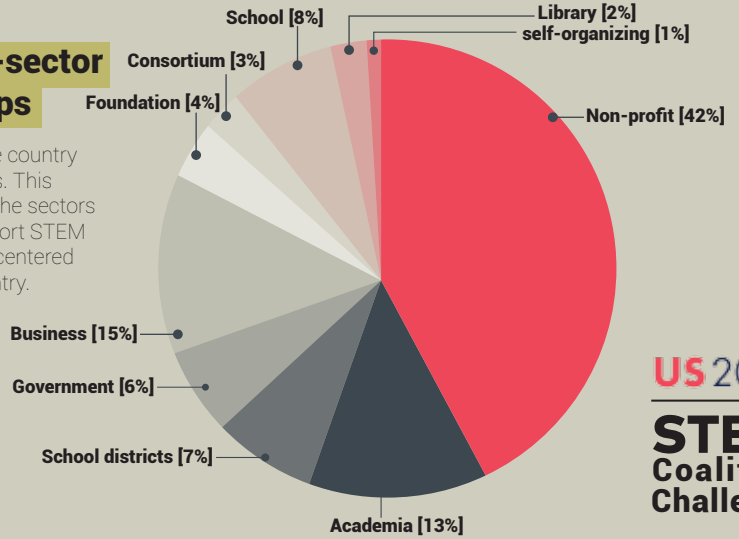
Communities are targeting students at all ages. The majority of coalitions focused on middle school, as well as high school students.

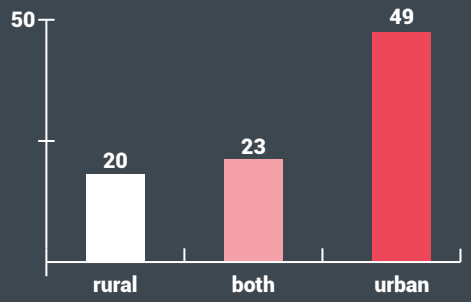
- Elementary school
- Middle school
- High school
- College



Spurring cross-sector partnerships

Communities across the country mobilized 1,947 partners. This breakdown showcases the sectors that are working to support STEM mentorship and maker-centered learning across the country.





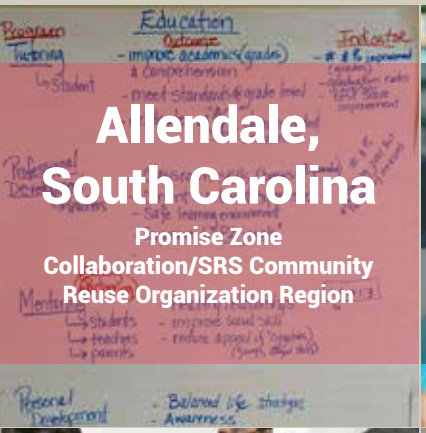
Targeting students in rural and urban settings

Of the 92 applicants, more than half came from communities targeting students in urban areas, while 20 targeted students in rural communities. Twenty-three targeted students in both rural and urban communities. These communities often took a regional approach to their work.

US 2020
STEM Coalition Challenge

Meet the finalists

Fifteen communities have been deemed finalists based on their potential for impact, approach to partnership building, creative engagement strategies, and sustainability planning

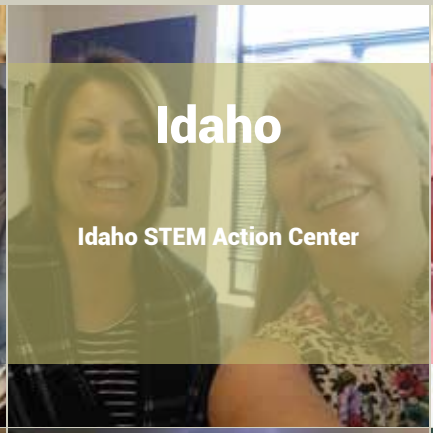


Allendale, South Carolina

Promise Zone Collaboration/SRS Community Reuse Organization Region

Atlanta, Georgia

United Way of Greater Atlanta



Idaho

Idaho STEM Action Center

Brooklyn, New York

Pratt Institute

Buffalo, New York

Interdisciplinary Science and Engineering Partnership (ISEP)

Chicago, Illinois

Project Exploration

Cincinnati, Ohio

Greater Cincinnati STEM Collaborative

Colorado

Colorado STEM Coalition

Detroit, Michigan

Michigan Science Center

Downey, California

Columbia Memorial Space Science Learning Center Foundation

Pittsburgh, Pennsylvania

Remake Learning

San Francisco, California

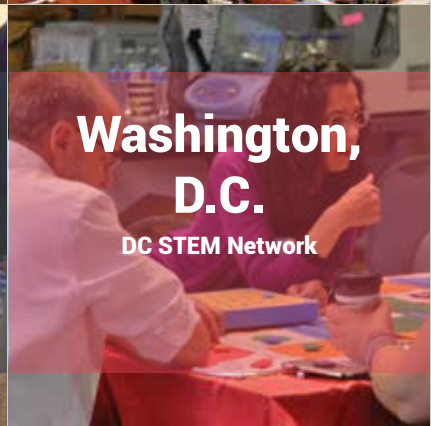
California Academy of Sciences/Bay Area STEM Ecosystem

Socorro, New Mexico

New Mexico Institute of Mining and Technology

The Dalles, Oregon

Columbia Gorge STEM Hub



Washington, D.C.

DC STEM Network

STEM Coalition Challenge Applicants

A special thanks to all of the coalitions across the country that are working to ignite moments of discovery for underserved students

Alabama
Bessemer - Alabama STEM Education Inc.

Arizona
Flagstaff - Flagstaff STEM City
Phoenix - Arizona Science Center

Arkansas
Bentonville - NWA Children's Museum d/b/a Scott Family Amazeum
Little Rock - Museum of Discovery

California
Cota de Caza - STEM Advantage
Downey - Columbia Memorial Space Science Learning Center Foundation
Livermore - Robot Garden
Long Beach - Makersville
Los Angeles - EnCorps STEM Teachers Program
Los Angeles - University of Southern California
Los Angeles - The Regents of the University of California
Oakland - Agency by Design
Pomona - Cal Poly Pamona
Riverside - University of California Riverside, Wilson Rankin Lab, Dept. of Entomology
Santa Clarita - Santa Clarita Environmental Education Consortium
Silicon Valley - STEMentors Silicon Valley
South San Francisco - California Academy of Sciences/Bay Area STEM Ecosystem
San Francisco - Remake Learning Bay Area (RLBA)
San Diego - Femineers (San Diego State University, College of Engineering)

Colorado
Boulder - Boulder Library Makerspace
Colorado STEM Coalition

Connecticut
Hartford - United Way of Central and Northeastern Connecticut

Florida
Tampa - University of South Florida
Miami - Venture Cafe Miami
Orlando - Playground City

Georgia
Tyrone - Yell! Academy
Macon - Legacy Builders Foundation
Augusta - Communities in Schools Augusta - Richmond County
Atlanta - Georgia State University & Center for Excellence in Teaching & Learning (CETL)
Atlanta - United Way of Greater Atlanta

Idaho
Idaho STEM Action Center

Illinois
Chicago - Project Exploration

Indiana
Columbus - Community Education Coalition
Indianapolis - Maker Youth Foundation

Louisiana
Shreveport - North Louisiana STEM Alliance

Maine
Machias - Axiom Education & Training Center

Maryland
Hagerstown - The Beacon House

Massachusetts
Lowell - Kids in Tech
West Barnstable - Cape Cod Regional STEM Network
Boston - CodeSquad
Boston - United Way of Massachusetts Bay & Merrimack Valley
Lowell - Merrimack Valley Robotics, Inc.

Michigan
Kingsford - Breitung Township Schools
Detroit - Michigan Science Center
Grand Rapids - Dreams Soar, Inc.

Minnesota
Little Falls - iFound

Mississippi
Woodville - STEM Advancement Inc.
Jackson - Mississippi Children's Museum

New Jersey
Jersey City - Liberty Science Center
Milltown - United Way of Central Jersey

New Mexico
Albuquerque - Explora
Socorro - New Mexico Institute of Mining and Technology

New York
Brooklyn - Pratt Institute
Rochester - Rochester Institute of Technology
New York - Emerging Leaders in Technology and Engineering, Inc.
Buffalo - Interdisciplinary Science and Engineering Partnership (ISEP)

North Carolina
Hickory - STEM West
Greensboro - Agnosia Media

Ohio
Cincinnati - Greater Cincinnati STEM Collaborative

Oklahoma
Pryor - MidAmerica Industrial Park

Oregon
The Dalles - Columbia Gorge STEM Hub
Portland - Portland Metro STEM Partnership
La Grande - GO-STEM

Pennsylvania
Pittsburgh - Remake Learning
Philadelphia - The Nature Conservancy
Philadelphia - Esperanza
Lancaster - Lancaster Chamber of Commerce
Bloomsburg - Bloomsburg University Regional STEM Education Center

Rhode Island
Providence - Providence After School Alliance
Newport - FabNewport

South Carolina
Allendale - Savannah River Site Community Reuse Organization

Texas
Kingsport - STREAMWORKS
Memphis - Pink Palace Museum
Chattanooga - Art 120
Nashville - Make Nashville

Utah
Provo - Utah State University Extension

Virginia
Lynchburg - Vector Space

Washington
Richland - STEM-M for WAG
Richland - REACH Museum & Interpretive Center
Tacoma - Foundation for Tacoma Students

Wisconsin
Milwaukee - Discovery World
Wisconsin Rapids - McMillan Memorial Library
Milwaukee - Betty Brinn Children's Museum
Green Bay - Greater Green Bay STEM Network

Washington, D.C.
DC STEM Netowrk
Think Pink