2019 Year in Review
In 1964, Malcolm X famously said, “Education is our passport to the future, for tomorrow belongs to the people who prepare for it today.” Yet in America fifty-five years later, we still don’t have a system that provides a high quality education for every student. Large achievement gaps persist, with economically disadvantaged students, English learners, African American students, and Latino students performing far below their economically advantaged, White, and Asian peers. The EnCorps Team, Fellows, and Teachers are committed to ensuring that students in California’s high poverty public schools have access to highly qualified, prepared and passionate STEM teachers. We believe in the power of math and science to propel every student forward in the 21st century to become a problem solver, innovator and creator, and to build a truly diverse STEM workforce for the future. Each STEM professional joining EnCorps as a Fellow will impact 125 students annually as a full-time teacher. Thank you for your continued support to sustain the EnCorps STEM Fellowship that profoundly and positively impacts so many lives, teachers and students alike.

For our students and for our future,

KC Wilcox
Executive Director
• Our Mission •

We empower science, technology, engineering and math (STEM) professionals to transform public education by teaching in high needs schools.

• Our Values •

We Serve High Needs Schools in Under-Resourced Communities
We Raise the Bar to Excellence in Teaching and Learning
We Ignite Passion for STEM in High Needs Schools
Our Work is Informed, Agile, and Collaborative
We Lead with Integrity
We Partner for Progress
We are Responsible for Equity in Education
“EnCorps Educators are a heroic group, trading high-profile and lucrative professional careers for less visible work in disadvantaged classrooms. Their commitment to paying-it-forward to tomorrow's youth is phenomenal.”

-EnCorps Founder and Board Chair, Sherry Lansing
• **Organizational Highlights 2018/2019 •**

**In the Community**

• **Executive Director, Katherine Wilcox was selected to serve on two transition teams** for incoming State Superintendent of Public Instruction: Closing the Achievement Gap and the California Teacher Shortage committees.

• **EnCorps established Advisory Councils** in our Los Angeles, Sacramento and San Francisco Bay Area regions to grow our regional networks and increase awareness of our program.

**New Hires**

• **EnCorps’ new Director of Development** is Patricia Hanudel, who has over 10 years experience in nonprofit development, most recently serving as a major gifts officer at LMU, Mount Saint Mary’s University, and UCLA. She is thrilled to support EnCorps’ work towards educational equity for all students.

• **EnCorps’ new San Diego Program Coordinator** is Charles Dodson, who served as a teacher for 9 years and a principal for 6 years in New Hampshire. In San Diego, he supervised student teachers and interns. He brings his passion for serving at-risk, high-needs students and his extensive experience in the education field to guide San Diego Fellows towards classroom success.
<table>
<thead>
<tr>
<th>Los Angeles</th>
<th>San Francisco Bay Area</th>
<th>Sacramento</th>
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<tbody>
<tr>
<td>Samuel Dolcine</td>
<td>Michael Fauteux, M. Ed.</td>
<td>Bob Bachmeier</td>
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<td>Senior Talent Manager</td>
<td>Co-Founder and CEO</td>
<td>Principal, Holy Rosar School</td>
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<td>Endeavor College Prep</td>
<td>GiveThx</td>
<td>Diana Carnahan, Ed.D</td>
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<td>Tawana Guillaume</td>
<td>President, Teachers College of San Joaquin</td>
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<td>Robert Garcia</td>
<td>Engineering Teacher</td>
<td>Audrey Costa</td>
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<td>Principal</td>
<td>Madison Park Academy</td>
<td>NAEP Assessment Administrator</td>
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<td>Canoga Park High School</td>
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<td>Amy Crown</td>
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<td>LaTeira Haynes, Ph.D</td>
<td>Trina Ostrander</td>
<td>Community &amp; Corporate Relations, Brandman University</td>
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<tr>
<td>Science Teacher</td>
<td>Executive Director, Institute for STEM Education</td>
<td>Jim Hays</td>
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<td>Mervyn M. Dymally High School</td>
<td>Cal State University, East Bay</td>
<td>Principal, School of Engineering and Sciences</td>
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<td>Ali Khoshgozaran, Ph.D</td>
<td>Joseph Wilson, Ph.D.</td>
<td>Nicholas Haystings</td>
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<td>VP, Emerging Technology</td>
<td>Senior Education Consultant, Computer Science</td>
<td>Co-Founder and Executive Director, Square Root Academy</td>
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<td>Quandary Peak Research</td>
<td>American Institutes for Research</td>
<td>Linda Liebert</td>
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<td>Director, Teacher Internship, SAC County Office of Education</td>
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<td>Veronica Wang</td>
<td>Eileen Yang</td>
<td>Kyle McDaniel</td>
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<td>MBA Manager</td>
<td>Senior Manager, Corporate Citizenship</td>
<td>Science Teacher, Grant Union High School</td>
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<td>Capital Group</td>
<td>Genentech</td>
<td>Sara Minnehan</td>
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<td>Community Engagement, Aerojet Rocketdyne</td>
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• New Programs on the Horizon •

**AmeriCorps**

Approved to start a new AmeriCorps program in Los Angeles, beginning in July 2019

40 after-school tutors for 1,600 underserved high school students in Huntington Park, South Central/Watts and Boyle Heights

**STEMx Tutors**

Piloting a Middle School Math (MSM) after-school Stem Expert Tutor program with the goal of improving outcomes of middle school students

Four (4) LAUSD Partnership for Los Angeles Middle Schools
• New Fellowship Expansion - Denver •

Need
Between 2010 and 2016, enrollment in Colorado teacher preparation programs dropped by 24%, and completers dropped by 17%. Only 3% of Colorado teacher preparation completers specialized in math and 4% in science*. This decline prompted the state to seek out-of-state teacher candidates to fill 50% of open positions, at a great expense.

Impact
During the program launch from January 2019 to June 2022, EnCorps will recruit 95 Fellows who will impact a minimum of 4,940 students during guest teaching and 11,875 students annually as full-time credentialed teachers. By June 2023, EnCorps’ Denver program will recruit and prepare 100 STEM teacher candidates annually.

Credentialing Partner
Public Education & Business Coalition’s Boettcher Teacher Residency

Funding Partner
Rose Community Foundation ($50,000 matching grant)
• Seeking funds from Denver Foundation, Next50 Initiative, Adolph Coors Foundation.

*Colorado Department of Higher Education’s Educator Preparation Reports AY 2010-11 to AY 2015-16
• Fellowship Highlights •

**Statewide**
- 47 new teachers since July 2018
- 55 new credential candidates

**San Diego Area**
- New San Diego Program Coordinator
- 3 new partner schools:
  - San Diego High School
  - San Marcos Middle School
  - High Tech High Media Arts

**Bay Area**
- Recruited 43 STEM professionals
- Impacted a total of 14,156 students
  - 3,484 in guest teaching
  - 10,672 from our credentialed teachers

**Los Angeles and Orange County**
- Recruited 29 STEM professionals
- Impacted a total of 10,259 students
  - 1,675 in guest teaching
  - 8,584 from our credentialed teachers
SRI 2019 was a huge success, drawing Fellows from all four of EnCorps’ California regions, and serving as the kick-off for our 2019 cohort of new EnCorps Fellows. We provided a separate Institute track for current teachers, addressing topics such as classroom management, student-centered teaching, and project-based learning in STEM. We were honored with a visit by Khieem Jackson, Deputy Superintendent of Government Affairs from the California Department of Education, who delivered a special message to us from State Superintendent of Public Instruction, Tony Thurmond.
• 2018/2019 School Placement Partners •

Abraham Lincoln High School
College Track - San Francisco
Gateway High School
Philip & Sala Burton Academic High School
San Rafael High School
ARISE High School
Berkley Maynard Academy
Caliber Beta Academy
College Track - Oakland
John Swett High School
Leadership Public Schools Hayward
Leadership Public Schools Richmond
Lionel Wilson College Preparatory Academy
Mt. Diabolo High School
ACME Academy
Oakland High School
Pittsburg High School
College Track - East Palo Alto
Ravenswood Middle School
Sequoia High School
South Bay & San Jose
Cabrillo Middle School
Fremont High School
Hoover Middle School
Monroe Middle School
San Jose High School
Santa Clara High School
Silicon Valley CTE
TEALS Bay Area
Citizen Schools
STEM Academy of Hollywood
Jordan High School
i.am College Track Boyle Heights
i.am College Track Watts
Dymally High School
Synergy Academies
Collegiate Charter High School
Alliance Health Services Academy High School
Minds Matter of Los Angeles
Summit Preparatory Charter School
Bright Star Secondary
Lennox Academy High School
Lennox Middle School
Alliance Alice M. Baxter College-Ready High School
Alliance Marine - Innovation & Technology 6-12 Complex
Alliance Tennenbaum Family Technology High School
Canoga Park High School
Nogales High School
Corona High School
TEALS Los Angeles Area
Samueli Academy
Magnolia Science Academy Santa Ana
Norwalk High School
High Tech High North County
Mira Mesa High School
High Tech High Point Loma
University City High School
GRITLab, High Tech High Point Loma
Abraxas Continuation High School
Emerald STEAM Magnet Middle School
Thrive Public School
The Preuss School UCSD
High Tech High Chula Vista
Morse High School
Monarch School
Helix Charter High School
Gompers Preparatory Academy
THINK Together
Tiger Woods Foundation
EnCina Preparatory High School
Folsom High School
Foothill High School
Futures High School
Grange Middle School
Grant Union High School
Health Professions High School
James Rudder Middle School
Natomas High School
Oakdale Elementary School
School of Engineering and Sciences
West Campus High School
Square Root Academy
Tracy Learning Center
Twin Rivers Unified School District
Western Placer Unified School District
Aspire Public Schools
College Track Sacramento
Folsom Cordova Unified School District
Liberty Ranch High School
Natomas Unified School District
Sacramento City Unified School District
St. HOPE Public Schools
Aspire Alexander Twilight Secondary Academy
California Middle School
Cesar Chavez High School
• New Fellow Spotlight •

Sheryl Rosenthal is the former Director of Operations and Quality Assurance at BrickLink and former Software Quality Assurance Engineer at Charles Schwab. Sheryl is pursuing her single-subject math credential while being a full-time intern math teacher at Magnolia Science Academy.

Vivian Kwong has a PhD in Medicine from the UCLA School of Medicine. She was a physician at Welsey Healthcare Centers and Pasadena Public Health Department for over 20 years. She is guest teaching in biology and earth science classrooms while pursuing her single-subject science credential.

Joshua Stempel has an MBA from USC Marshall School of Business. He was a Senior Energy Consultant at SolarCity. He is volunteering and guest teaching in a biology classroom at Dymally High School. Joshua is pursuing his single-subject science credential at Alliant International University, Orange County.

Liang-Fang Chao has a PhD in Computer Science from Princeton University and 24 years of STEM experience. She was a Senior Consultant at Cadence Design Systems, Inc., and Assistant Professor, Electrical and Computer Science at Iowa State University. She is a guest teacher in a math classroom.
• Building a Strong Teacher Workforce •

Fellows consistently rate our professional development trainings as highly effective. In our 2018/2019 trainings,

- 97% said content of the sessions was relevant and useful
- 98% said they were challenged to grow as an educator
- 95% said they left the Institute excited to begin the school year
- 97% said they benefited from social and professional interactions with other Fellows

EnCorps Teachers receive the training and support they need to stay in the classroom.

In the first 5 years of teaching, EnCorps teachers boast an 88% retention rate, compared to nearly 50% retention rate of teachers in low-income CA districts.
• Building the Next Generation of Innovators •

Our host teachers reported of their students:

96% of students experienced an increased level of academic achievement

96% of students had a better understanding real-world connections with math and science

96% of students were excited about math and science

Students working with an EnCorps Fellow reported:

80% were more aware of STEM career opportunities

67% were more interested in STEM than they used to be

“Ms. Hagey tries harder to connect to the students. She stays at tutoring after school. She is the one teacher I know is going to be there.”

“Mr. Lewis incorporates the aerospace workspace into the class, he always tells us about these times he did stuff related to what we are working on.”
• Impact •

**On Students:**
“The students in Jerome's section had significantly higher achievement, as compared to my ‘non-Jerome’ students. Jerome's students' apparatus designs were more sophisticated and performed more successfully on all levels.”

**On Fellows:**
“Without my inspiring teacher, I would have been a high school drop out. One caring teacher made all the difference in my life. I strongly feel that now is the time for me to give back.”

Over 975 STEM professionals have joined EnCorps. Fellows have impacted **128,000** K-12 students.
“I leap out of bed every morning to come to work. My favorite day of the week is Monday. And trust me, I never ever felt that way in tech. Never. Ever.”

- EnCorps Fellow Bob Capriles
  Math Teacher, Former Computer Engineer
Dave Morton, Executive VP & CFO of Seagate Technology, presents Silicon Valley Education Foundation’s 2017 STEM Innovation Award to EnCorps Executive Director, Katherine Wilcox.

**Recognition**

US 2020
Excellence in Public-Private Partnerships
STEM Mentoring
2019 Winner

Silicon Valley Education Foundation
2017 STEM Innovation Award Winner

Carl and Roberta Deutsch Foundation
2018 HALO Award Winner

The Drucker Prize
2018 Semifinalist

Annenberg Challenge for Innovation in Technology
2017 Winner
Samueli Academy High School

Samueli Academy has recognized the value and potential of EnCorps Fellows since 2015, when the first EnCorps Fellows were placed as volunteers. This school year alone, Samueli hosted five EnCorps Fellows in five different content areas, and each learned a tremendous amount under the guidance and support of highly effective master teachers.

EnCorps Fellows observe first hand the passion Samueli has for involving students in the learning process. Samueli teachers allow students to take an active, hands-on role in their learning and they don’t just teach students what they need to know, but show them why they need to know it.
San Diego Partner of the Year

High Tech High

High Tech High has supported EnCorps’ mission since 2011, when the first EnCorps Fellows were placed as volunteers. Over the years, 12 EnCorps Fellows have volunteered in science and math classrooms at the Pt. Loma, San Marcos and Chula Vista campuses.

EnCorps Fellows observe and absorb first-hand the passion that High Tech High has for a school environment where real-world relevance takes center stage. Volunteering in a classroom at HTH has provided many EnCorps Fellows a leg up in understanding that learning can make students more creative and engaged, and have their voices valued.

Forging deep partnerships with high performing urban schools is foundational to EnCorps’ program model, and our collaborative work with High Tech High continues to be an example that EnCorps strives to replicate.
• Fellows of the Year •

Cate Challen  
San Diego

LaTeira Haynes  
Los Angeles  
with Southern California  
Director Angel Beamer

David Hewitt  
Sacramento  
with Northern California  
Director David Taus

Veronica Culpepper  
Bay Area  
with Northern California  
Director David Taus

We are honored to recognize the achievements, collaboration and fellowship of EnCorps Fellows who have gone above and beyond their Fellowship, and emerged as leaders and inspirations to their peers.
• 2018/2019 EnCorps Funders •

**Foundations**
- American Online Giving Foundation
- Bayer USA Foundation
- Broad Foundation
- Carl & Roberta Deutsch Foundation
- Cotsden Foundation
- Cox Charities
- Jay Sures Family Foundation
- McCarthy Family Foundation National Center for Civic Innovation
- National Science Foundation- CSUEB
- Nordson Corporation Foundation
- Pacific Life Foundation
- Ralph M. Parsons Foundation
- The Rockefeller Foundation
- Rogers Melnick Family Foundation
- Rose Community Foundation
- Saunders Family Charitable Fund
- Sherry Lansing Foundation
- Spero Family Charitable Fund
- Taproot Foundation
- W.M. Keck Foundation

**Corporations**
- Bank of America Capital Group
- Celgene
- Genentech
- General Motors
- Good Street
- Hologic

**Government**
- Corporation for National and Community Service

**Individuals**
- Gillian Carzzarella
- Aditi Dutta
- Bri Gisella
- LaTeira Haynes
- Nancy Jacobsen
- Morgan Kim
- James LeBlanc
- Elaine Lee
- Albert Lin
- Susan MacWhorter
- Alex Madonik
- Laurel Marshall
- Arleen McGlade
- Stephanie Menzies
- Ivan Mora
- Michael Morrison
- James Pflasterer
- John Pollaro
- Margaret Sharp
- David Sundstrom
- Taus Household
- Ellen Taus
- Nancy Villa
- Bruce Vinokour
- James Ward
- W Adkins Household
It costs EnCorps $5,000 to recruit, prepare, and support a STEM professional through the transition to teaching. EnCorps is only made possible through private funding. As we look to increase the quality and quantity of STEM teachers, please consider supporting our work as generously as you can.

- **Make a donation** to EnCorps online at [www.encorps.org/donate](http://www.encorps.org/donate) or mail a check made out to EnCorps Inc. to: c/o SLF, 2121 Avenue of the Stars, Suite 2020, Los Angeles, CA 90067

- Participate in **corporate sponsorship** by emailing patricia.hanudel@encorps.org

- Make an **in-kind donation** of office or event space by calling 310-272-6854

Thank you for giving the gift of education!
Thank you for helping to deliver on a social promise of equality and opportunity for all students.