



Translating Industry Experience into the Classroom

Who am I?

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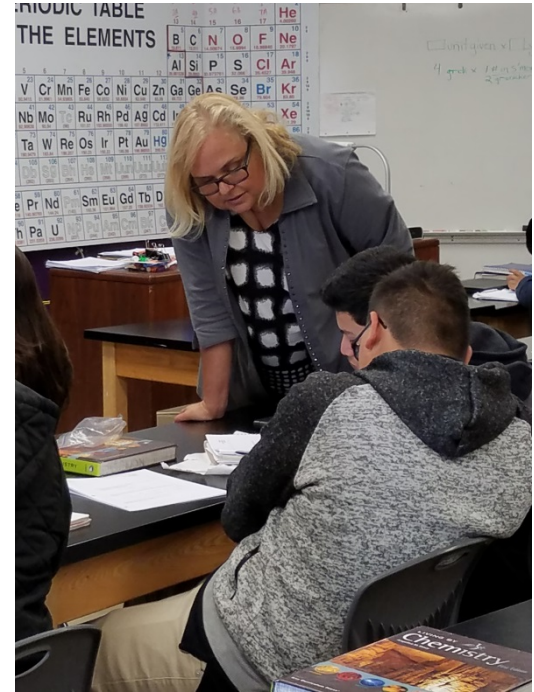
Raise your hand if you...

...have had an excellent teacher.

...would like to see more diversity in aerospace and the STEM fields.

...have volunteered with K-12 students.

...are an engineer. Manager.
Researcher. Student. Who else?

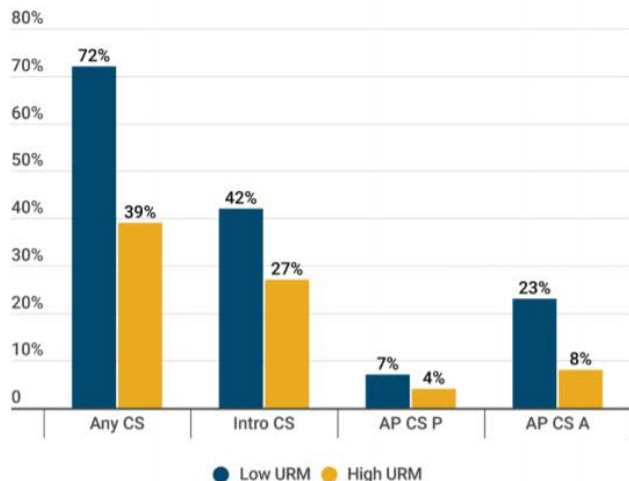


Inequity in STEM Education

Only 39% of schools in CA offer computer science education

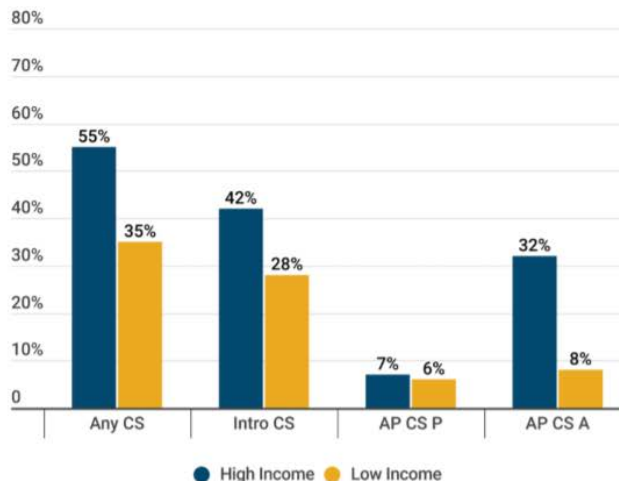
CS COURSE ACCESS GAPS BY SCHOOL DEMOGRAPHICS (2016 – 17)

By School Racial/Ethnic Makeup



*Definition: High-URM > 90% Black/Latinx/Native American, and Low-URM < 50% Black/Latinx/Native American.

By School Income



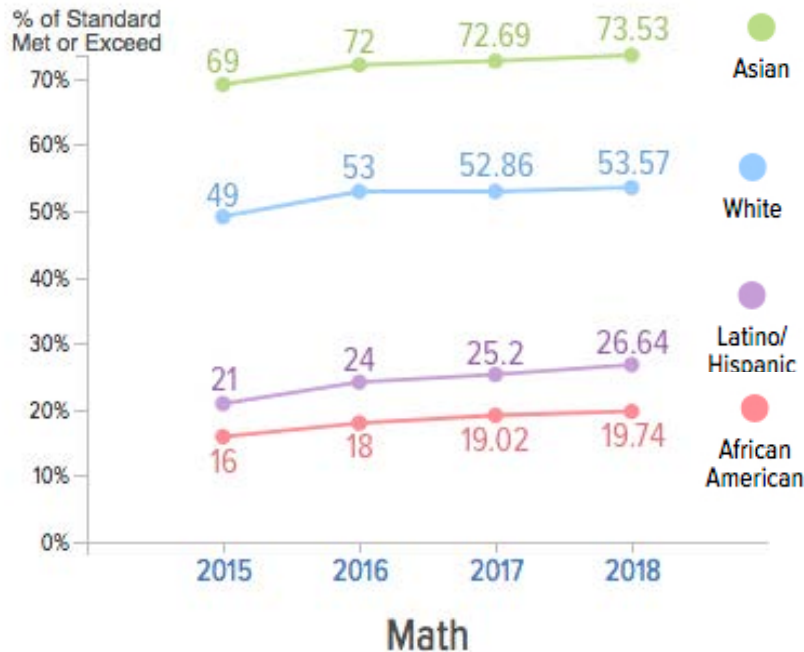
*Definition: Low-Income > 75% FRPL-eligible, High-Income < 26% FRPL-eligible.

"It's not a pretty picture, we are not doing an adequate job educating poor kids, black kids, Latino kids."

Tyrone Howard, UCLA Education Professor

Inequity in STEM Education

California Assessment of Student Performance and Progress



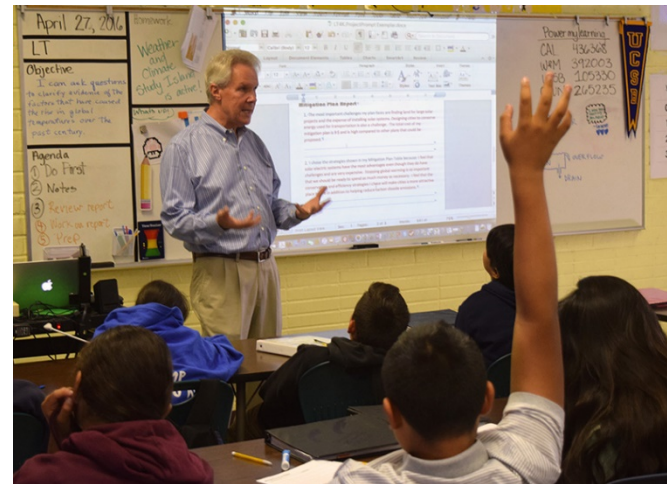
California Overall

39% MATH

Inequity in STEM Education

Effective teachers make a measurable difference! How much?

- Encountering an above-average teacher for five years in a row **could overcome the achievement gap**;
- A teacher who performs one standard deviation above the mean effectiveness in a class of 20 students can annually produce **marginal gains of over \$400,000 in present value of student future earnings** (Hanushek, 2011).





Classrooms in the 21st Century

“I saw a spark in those kids and I want to see more of that. I want to see these kids say, yes, that’s what I want to do with my life!”

-EnCorps Teacher, Erika Parker



“At the end of the day, what’s going to be your legacy?”

-EnCorps Teacher, Julian Lewis



Make an impact.

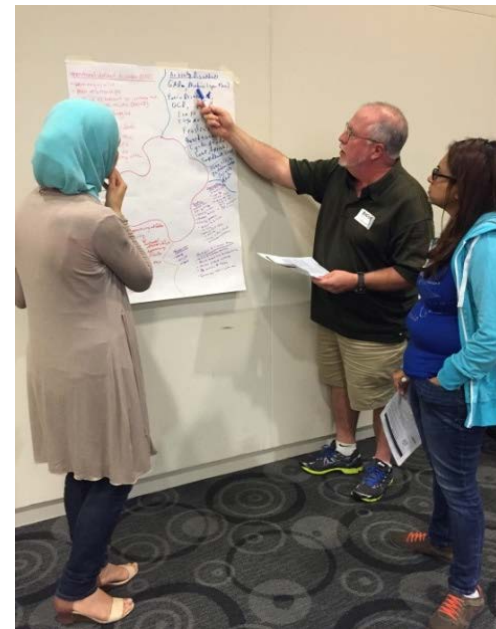
"I wondered if I could turn my volunteer work into my next profession. EnCorps is attractive because of the resources, support and networking in this new field."

EnCorps Fellow

Fellowship & Beyond

What we offer

- Online professional development modules
- In-person workshops & trainings
- Volunteer time in a classroom with an EnCorps Host Teacher
- Access to:
 - Program support
 - Cohort of peers
 - Scholarship opportunities
- Earn a teaching credential
- Become a teacher by next fall



Fellowship & Beyond

Career & Technical Education Credential

Subject Areas

- Arts, Media, and Entertainment
- Energy, Environment, and Utilities
- Engineering and Architecture
- Business and Finance
- Health Science and Medical Technology
- Information and Communication Technologies
- Manufacturing and Product Development
- Transportation

Process

- Obtain verifications of employment and official transcripts
- Online coursework beginning October, February or June for 3 months

**Who inspired
you?**

**Innovate.
Empower.
Ignite.
TEACH.**

www.encorps.org/apply

*WINTER application deadline:
November 15, 2019*

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