

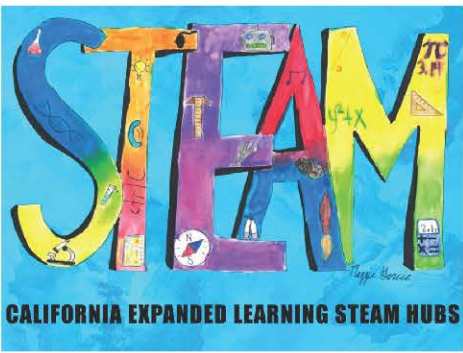
STEAM Hubs

SCIENCE | TECHNOLOGY | ENGINEERING | ARTS | MATH

THE HOW AND WHY OF OUR WORK

CALIFORNIA'S EXPANDED LEARNING STEAM HUB'S VISION STATEMENT

The CA Expanded Learning STEAM Hub Initiative inspires staff to lead innovative and authentic STEAM learning that ignites students' imagination and passion to decode challenges and thrive.



CALIFORNIA EXPANDED LEARNING PROGRAMS¹

ENGAGE OVER
900,000
STUDENTS

AT
4500
SITES

FOR UP TO
540
HOURS

For many expanded learning programs, STEAM is used as a vehicle to support students to find their purpose, explore their passions and deepen their understanding in content.

HOW EXPANDED LEARNING SUPPORTS STUDENTS

Research suggests in California students would benefit from additional exposure to:²
More Science | Hands - On Experiences | Early Exposure to Engineering | Early Access to Computer Science



STEAM Enrichment Opportunities support the Point of Service Quality Standards for Expanded Learning:
Active & Engaged Learning | Skill Building | Diversity, Access & Equity
Youth Voice & Leadership | Healthy Choices & Behaviors | Safe & Supportive Environments¹

WHY WE DO STEAM IN EXPANDED LEARNING

STEM Specific Data Indicates:

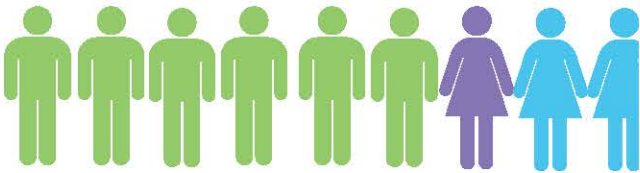
CA STEM Job Growth³



Between 2017 - 2027, CA STEM jobs will grow by 15% vs 11% of non-STEM jobs. Nationwide, STEM jobs are expected to grow 13% during this same period. However, there is a lack of available talent to fill these STEM jobs.

Lack of Diversity

- There is a large gap in the math and science test scores at a level of proficiency and above for low-income schools in California.
- Women and People of Color are "not gaining ground" when it comes to attaining STEM degrees.⁴
- Women of color make up 11.5% of the science and engineering workforce.⁵



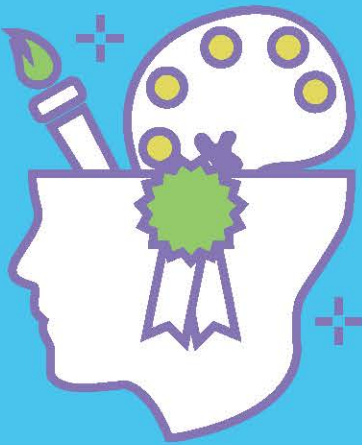
Income Capacity

\$38.85
AN HOUR

The median income for STEM industry jobs is \$38.85/hour. That is \$19.55 MORE an hour than the median income for all other US jobs at \$19.30/hour.⁶

WHY WE DECIDED TO ADD THE ARTS IN STEM⁷

Arts Specific Data Indicates:



Creativity is the
#1
attribute employers seek.

Students who have engagement with art are 2x as likely to graduate college.

The creative industry, 10% of CA jobs, accounts for 7.8% of CA GDP, for a total of
\$99.3
BILLION in annual income

RESOURCES AND DATA SOURCES

- 1: [State of the State of Expanded Learning in California 2018-2019](#)
- 2: <https://vitalsigns.ecs.org/state/california/curriculum>
- 3: <https://vitalsigns.ecs.org/state/california/overview>
- 4: <https://vitalsigns.ecs.org/state/california/diversity#not-gaining-ground>
- 5: <https://www.catalyst.org/research/>
- 6: <https://vitalsigns.ecs.org/state/united-states/demand>
- 7: <http://www.arts.ca.gov/resources/benefits.php>