


csme@sfsu.edu |  @csme_sfsu | 415-405-4190

Welcome to December



CA 126 will be open 9 am - 4 pm during finals week for students to study in. Refreshments and snacks will be provided.

Afterward, the office will be closed for the remainder of the winter break.

Please reach out to us over email and we'll be happy to answer questions, hear your ideas of how we can continue to support students and future teachers.

With the nights getting longer and colder, we hope you are all staying safe and warm this winter season. At CSME we are excited about restarting Supplemental Instruction in the spring and welcoming Jessica Fielder back in the office.

We are excited about the growing number of students who joined the Teacher Fellows Program and are about to debut a new program called STEPS: STEM Tutoring Enrichment Program for Students. We'll continue to provide engaging ways for our students to gain teaching experience while supporting their peers in STEM courses.

During this season of giving, we hope you will consider supporting one of our programs. Give an alternative gift of STEM teaching and learning to students at CSME and SF State. Read more about how on page 2.

Happy holidays from CSME!

TABLE OF CONTENTS

- Page 1** - Welcome
- Page 2** - Our Programs
- Page 3 - 4** - Summer Institute
- Page 5** - STEM Alt. Giving
- Page 6** - Events
- Page 7** - Opportunities
- Page 8** - Recommendations
- Page 9** - Donate

WHERE TO FIND US

Our main office is located in the Creative Arts building in room 127. Feel free to drop by anytime for a quiet place to study or to grab a snack between classes. You're always welcome at CSME.



CENTER FOR
SCIENCE &
MATHEMATICS
EDUCATION

OUR PROGRAMS

Learning Assistants

Want to help facilitate active learning in science courses? Well, look no further. Become a Learning Assistant and support other students in science courses and earn credits in a unique and fun way.

Noyce STAJES

STEM Teaching toward A Just and Equitable Society (STAJES) program is a National Science Foundation (NSF) funded program to provide scholarships to students who are committed to teaching science or mathematics in high-need school districts upon the completion of a single subject teacher credential program.

SF Math Circle

SF Math Circle works to make math accessible, inclusive, and fun for 2nd through 8th graders in after-school classes and camps. We offer compelling, low-floor, high-ceiling activities that make mathematical thinking accessible and fun for students from diverse backgrounds.



SF Math Circle

Supplemental Instruction

Take a fun one-unit SCI course to help study efficiently and effectively with your friends. Work in small groups on practice problems and activities to support learning in the parent STEM course with the help of two friendly undergrad facilitators.



STEM House

STEM HOUSE

Local elementary classrooms partner with SF State by bringing their students to campus for an inspirational college science experience, complete with lab coats and goggles. STEM HOUSE arranges for undergraduate future teachers to spend a semester doing paired teaching with small groups of students in grades 3 through 5.

Teacher Fellowship

Each year, CSME supports a cohort of STEM majors and credential students interested in being K-12 teachers. Teacher Fellows create a supportive community of aspiring teachers who gain experience in the field while earning their degrees. Teacher Fellows receive a stipend, extra mentoring, special seminars and access to a dedicated study center.

2024 Summer Institute



Cool Accomplishments!

This summer, CSME hosted a total of 25 participants from 9 different schools. With the knowledge they gained through the multiple week course, they reintroduced these lessons to their own classrooms. The results of their experience show in their work with their students.



Data Science

Data science allows scientists to sort through and analyze data to help make informed decisions or conclusions.



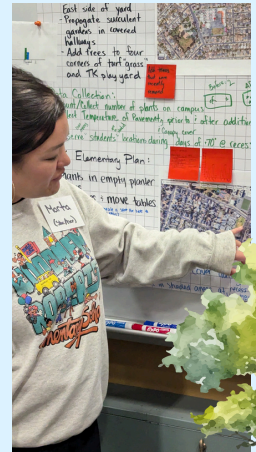
What is the Summer Institute?

The Summer 2024 STEM Institute will provide elementary grade teachers a chance to learn, collaborate, and plan for instruction that integrates place-based learning and data science across the curriculum. We will focus on investigating our local communities through the lenses of culturally responsive, justice-based STEM learning. Teachers will leave the summer institute with curricular resources and strategies to try in their classrooms, and online follow-up during the fall semester will support teacher teams as they bring these ideas to life.



A Collection of Summer Data Science Projects and Outdoor Activities

with Argonne Elementary, Dolores Huerta Elementary, Edward M. Downer Elementary, George Moscone Elementary, James Garfield Elementary, Jefferson Elementary, Lead Elementary, Manzanita SEED Elementary, Martin Luther King, Jr. Elementary, Nea Community Learning Center, Sunset Elementary, and West Portal Elementary

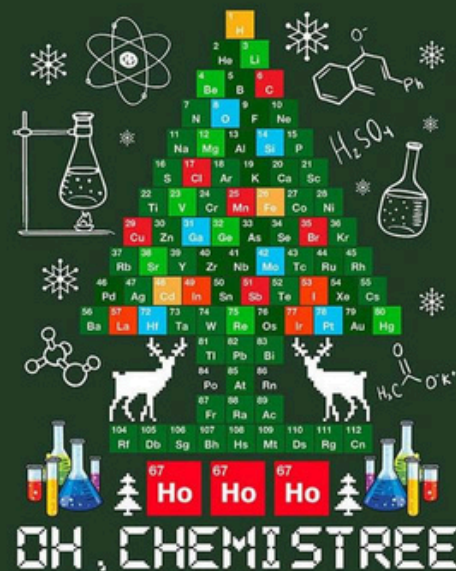


STEM ALTERNATE GIVING AT CSME

Want to give someone you love a gift that has a big impact? Concerned about climate change and want to reduce your consumption of material goods? Struggling to find the perfect gift for a friend or family member? Have someone in your life who has all they need?



To donate scan the
QR code or visit
csme.sfsu.edu/donate



This holiday season, consider gifting a student at the Center for Science and Mathematics Education!

Your contribution will make a tremendous difference for future science and mathematics teachers and STEM educators.

**Support CSME students
in one of our programs:**

Supplemental Instruction
Teacher Fellowship
SF Math Circle
Learning Assistants
STEM HOUSE
Discrete Math



CSME EVENTS

COCOA & CRAM

Grab your notes and textbooks for some last minute studying during finals week. Snacks and hot chocolate will be provided.

Study hard and good luck!

When: 12/16 - 20

9 am - 4 pm

Where: Creative Arts 126



CSME COFFEE CORNER

Curious about CSME? Interested in learning more about our programs? Want to know more about becoming a teacher?

Visit our CSME office in person and get your questions answered over a cup of tea and some snacks. We are here for you.

Stop by and receive free CSME swag.

When: Every Friday
12 pm - 1 pm

Where: Creative Arts 127



TEACHER FELLOWS FALL 2024 MEETINGS

Interested in learning more about the Teacher Fellows program? Attend a seminar, get a tasty dinner, and meet other students who are exploring a teaching career. For more information, contact Arnold at arnoldkhampaseut@sfsu.edu.

When: 12/13
4:30 pm - 6:30 pm

Where: Creative Arts 126





OPPORTUNITIES

Scholarships

Teacher Fellows

Interested in becoming a K-12 STEM teacher and gaining support from a community of like-minded students who love science and math?

The Teacher Fellows Program is still accepting applications from students. Join Teacher Fellows and gain experience in the field while earning \$500 - \$1,500 a semester.

Visit our website to learn more about Teacher Fellows and consider applying to our program.

Opportunities

SF Math Circle

SF Math Circle is now hiring for Spring 2025. Earn at least \$20/hour to work with small groups of elementary or middle school students as they explore interactive, hands-on puzzles and games.

To find out more information and to apply, visit sfmathcircle.org/facilitators

Learning Assistants

Apply to become a Learning Assistant today! If you're an undergrad passionate about chemistry, physics, astronomy, computer science, or math, Learning Assistants might be for you. Visit our website csme.sfsu.edu/learning-assistants or email Kim Coble (kcoble@sfsu.edu) to find out more information.

Support

Campus Resources

SF State has an abundance of on-campus resources for students, ranging from food/shelter support to equity support.

Visit the student resources website at studentresources.sfsu.edu/resources

CAPS: If you're having trouble during this school year and need to talk to someone, visit CAPS (counseling and psychological services) <https://caps.sfsu.edu>

TASC: Find academic support at SF State's Tutoring and Academic Support Center (TASC). Visit their website at tutoring.sfsu.edu

Safety: If you're ever feeling unsafe around campus, call the police at (415) 338-7200 for an escort.

The SAFE Place: The SAFE Place is a survivor-focused, trauma-informed program that provides **FREE** and **CONFIDENTIAL** support services to survivors of sexual assault, intimate partner violence, stalking, and sexual harassment (sexual violence) while working with campus partners to end sexual violence. Visit their website at <https://dos.sfsu.edu/safeplace>



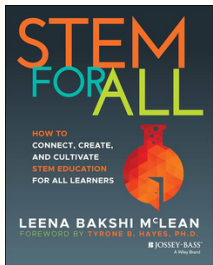
2024 Learning Assistants class

CSME'S MONTHLY BOOK LIST



We would like to share a selection of books and articles to help inform our community of ways we can be conscious of issues surrounding injustice and racism while celebrating the different cultures and identities that make our community rewarding and meaningful.

Stop by Creative Arts 127 and pick up something new to read.



STEM for All: How to Connect, Create, and Cultivate STEM Education for All Learners

by Leena Bakshi McLean

Containing all of the practical tools needed to put theory into practice, STEM for All by Leena Bakshi McLean provides a roadmap for teachers, instructional coaches, and leaders to better understand the challenges that create low engagement and scores in STEM subjects and implement exciting and culturally relevant teaching plans. This book covers a wealth of key topics surrounding the subject, including classroom culture, discourse, identity, and belonging, family and community participation, and justice-centered core learning.

Social Justice for the Sensitive Soul: How to Change the World in Quiet Ways

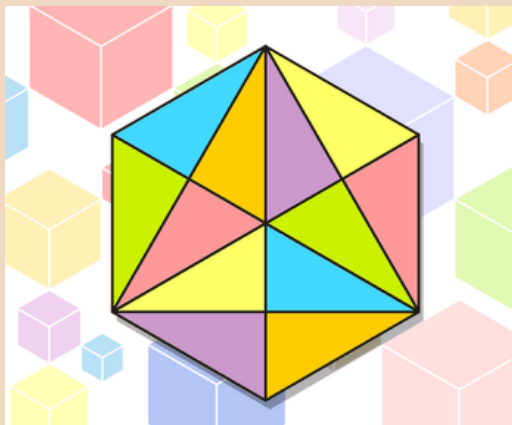
by Dorcas Cheng-Tozun

Sensitive souls—including those who consider themselves highly emotional, empathic, or introverted—have much to contribute to bringing about a more just and equitable world. Such individuals are wise, thoughtful, and conscientious; they feel more deeply and see things that others don't. We need their contributions. Yet, sustaining justice work can be particularly challenging for the sensitive, and it requires a deep level of self-awareness, intentionality, and care.



PUZZLE CORNER

How many outlines of triangles of all sizes and shapes can you trace in the figure?



Do you have an interest in puzzles like this and teaching kids? Join SF Math Circle and teach 2nd - 8th grade kids while gaining teaching experience. Visit our opportunities page and find out how to join.

Got the answer? The first five people to visit our office, Creative Arts 127, with the correct answer will win a prize. The winners and the answers will be revealed in our next newsletter.

November's answer: 31, 73, 61, 67, 1, 43

We Would Love to Hear from You!

Your support and input at CSME is important to us. Let us know if you have feedback you'd like to offer—suggestions for student/teacher spotlights, book recommendations, etc. Have a club you'd like to advertise? Let us know about it!

Feel free to leave comments through the QR code or link provided!
https://sfsu.co1.qualtrics.com/jfe/form/SV_74cHrE7WXY8imiO



Q&A

Got more questions about the Center or one of our programs? Fill out our Qualtrics survey and we'll get back to you.

Feel free to leave any questions through the QR code or link provided. https://qfreeaccountssjc1.az1.qualtrics.com/jfe/form/SV_1YRXJxYRd5O9dNY



Keep Up With CSME News!

Subscribe to CSME's Mailing List and receive updates and announcements, including our monthly newsletters. Subscribe by clicking the link or scanning the QR code:
https://qfreeaccountssjc1.az1.qualtrics.com/jfe/form/SV_2s1liWxVkuEPqu2



Donate to CSME

If you'd like to help CSME continue to support equity in STEM education and teacher preparation on our campus and across the Bay Area, please consider a donation to our program. Visit our website at csme.sfsu.edu/donate, click the 'Support CSME' dropdown menu, and select donate.

If you're interested in discussing a donation, contact our director, Tendai Chitewere (tendai@sfsu.edu).

Thank you!

Follow Our Instagram

Keep up with CSME on our Instagram page at [@csme_sfsu](https://www.instagram.com/csme_sfsu)! Get information about our events, programs, and important CSME updates.



@csme_sfsu