

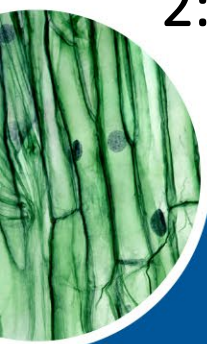


S-STEM Resource & Evaluation Center (REC)

Beyond Scholarships: What We've Learned About Supporting STEM Students from Low-Income Backgrounds

September 24, 2026

2:00-3:00 p.m. EST



NSF AWARD #2224093: AAAS-NSF S-STEM
Resource & Evaluation Center

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

Welcome!

In the chat...

please introduce yourself!

- Provide your name, institution & S-STEM award track (if applicable)

answer our icebreaker question:

- If you had an unlimited budget, what would your dream program or initiative look like to support S-STEM scholars?



Housekeeping



Please keep you microphone on mute when not speaking. You are welcome to use the “raise your hand” button or type into the chat if you have a comment.



A great deal of how we communicate involves body language and nonverbal cues are helpful to let us know how you are responding to the discussion. If possible, please turn on your camera.



You are welcome to introduce yourself in the chat and ask questions anytime throughout the webinar.



Closed Captioning is accessible - click on the CC icon in the meeting control bar at the bottom of your screen.



Today’s slides and recording will be posted on the event page of the S-STEM REC website.



Contact Tara King in the chat or at tking@aaas.org for technology questions or issues.



Please take our short live survey to provide feedback on this virtual event!

Disclaimer

This material is based upon work supported by the National Science Foundation under Grant No. DUE-2224093.

Any opinions, findings, interpretations, conclusions, or recommendations expressed in this material are those of its authors and do not represent the views of the AAAS Board of Directors, the Council of AAAS, AAAS' membership or the National Science Foundation.



NSF AWARD #2224093

Today's Agenda

I. S-STEM REC Overview

II. Webinar Objective

III. Panel Discussion

V. Q&A Session

VI. Wrap Up

AAAS S-STEM Resources & Evaluation Center (REC)

The S-STEM REC seeks to cultivate a network of S-STEM stakeholders and promote the exchange of ideas, resources, opportunities, and knowledge related to the effective strategies and practices to increase the number of talented low-income students obtaining degrees in STEM and entering the STEM workforce.

AAAS S-STEM REC works to:



Increase the effectiveness of the S-STEM Portfolio



Build the capacity of S-STEM Network Programs

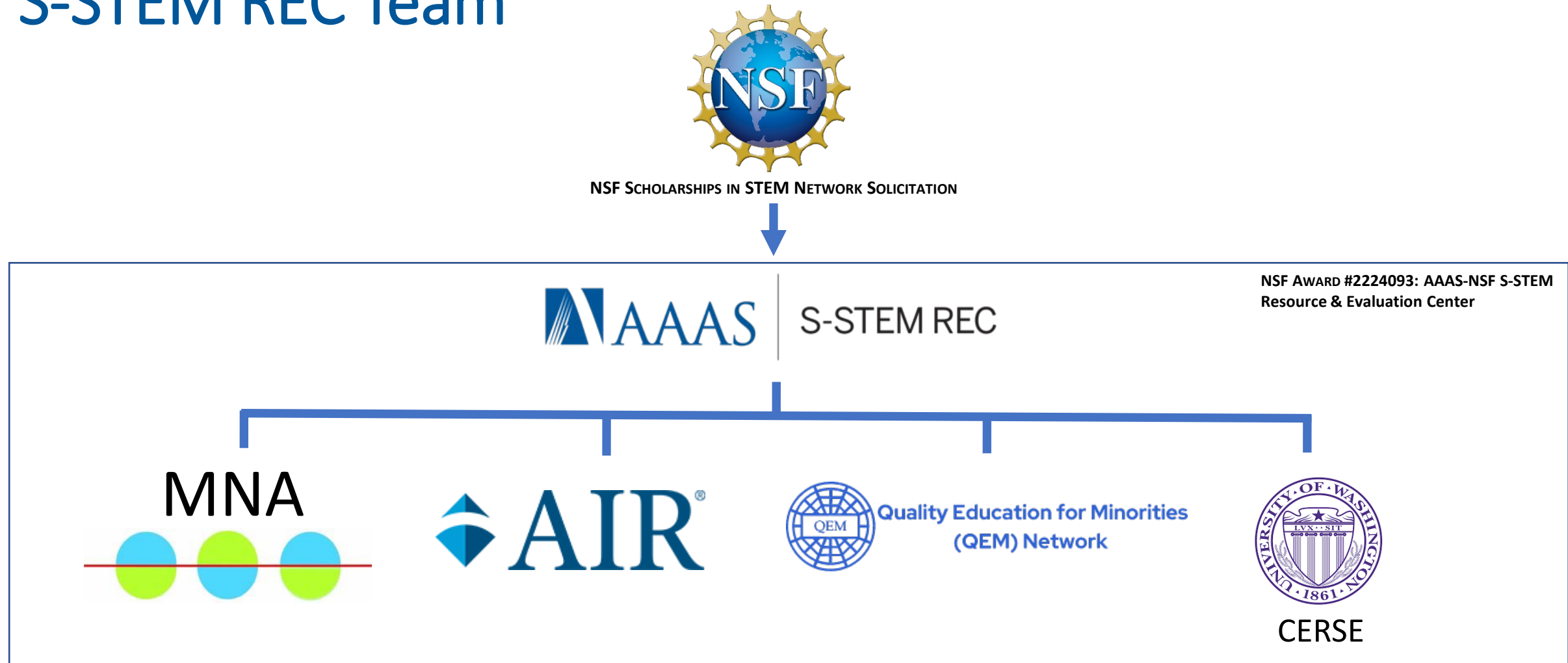


Build the capacity of S-STEM Scholars



This material is based upon work supported by the National Science Foundation (NSF) under Grant No. DUE-2224093. Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the NSF.

S-STEM REC Team



This material is based upon work supported by the National Science Foundation (NSF) under Grant No. DUE-2224093. Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the NSF.

Webinar Objectives

- Panelists will discuss:
 - How understanding scholars' personal and financial needs has influenced project implementation and execution
 - Strategies for building trust, belonging, and meaningful connections with scholars
 - Innovative approaches to mentoring, cohort-building, and student engagement
 - Lessons learned from both successes and failures
 - Institutional practices that have improved student retention, persistence, and success

Meet Our Panelists



Dr. Jennifer Johnson

**Associate Dean Of Student Success And An
Associate Professor Of Higher Education
Temple University**

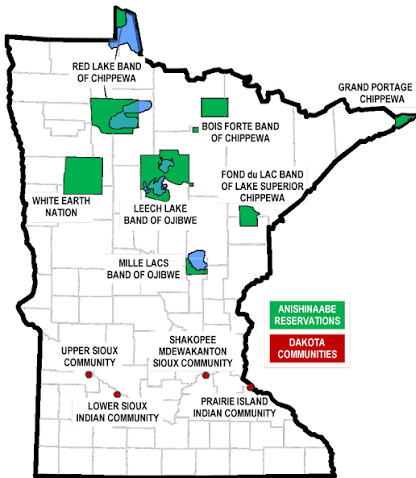


Dr. Katie Peterson

**Professor Of Chemistry
Bemidji State University**

Bemidji State University

- Located in regional center
 - Near 3 of state's largest Native American reservations (Red Lake, White Earth, and Leech Lake)
- Median Household Income: Around \$55,405
- Poverty Rate: ~21%



Student demographics

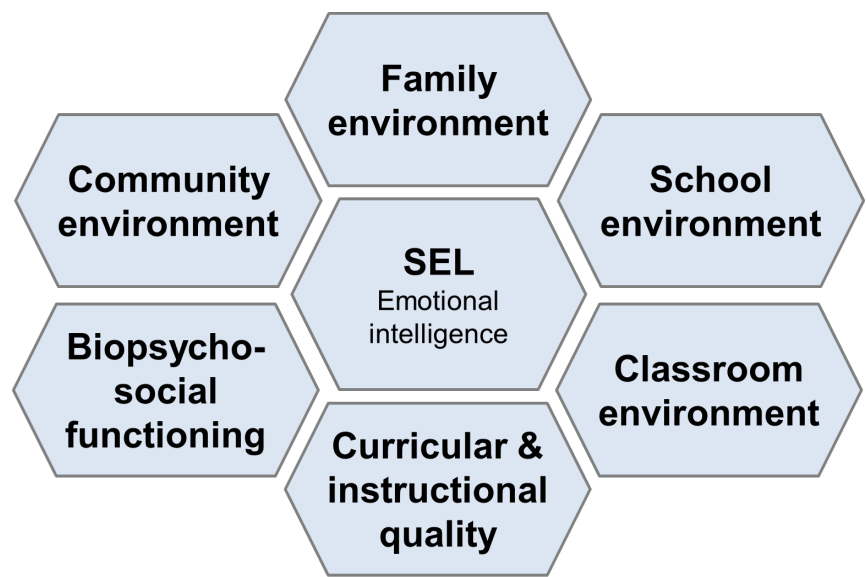
- 30 % Pell, 82 % receive some form of financial aid
- 40 % First Gen
- 40% report they are unable to manage their stress level and 73% identify high stress as a health issue.
- 70% have at least one ACE.
- Up to 45% diagnosed with mental health condition



U.S. Census Bureau, QuickFacts: Beltrami County, Minnesota; Bemidji city, Minnesota.

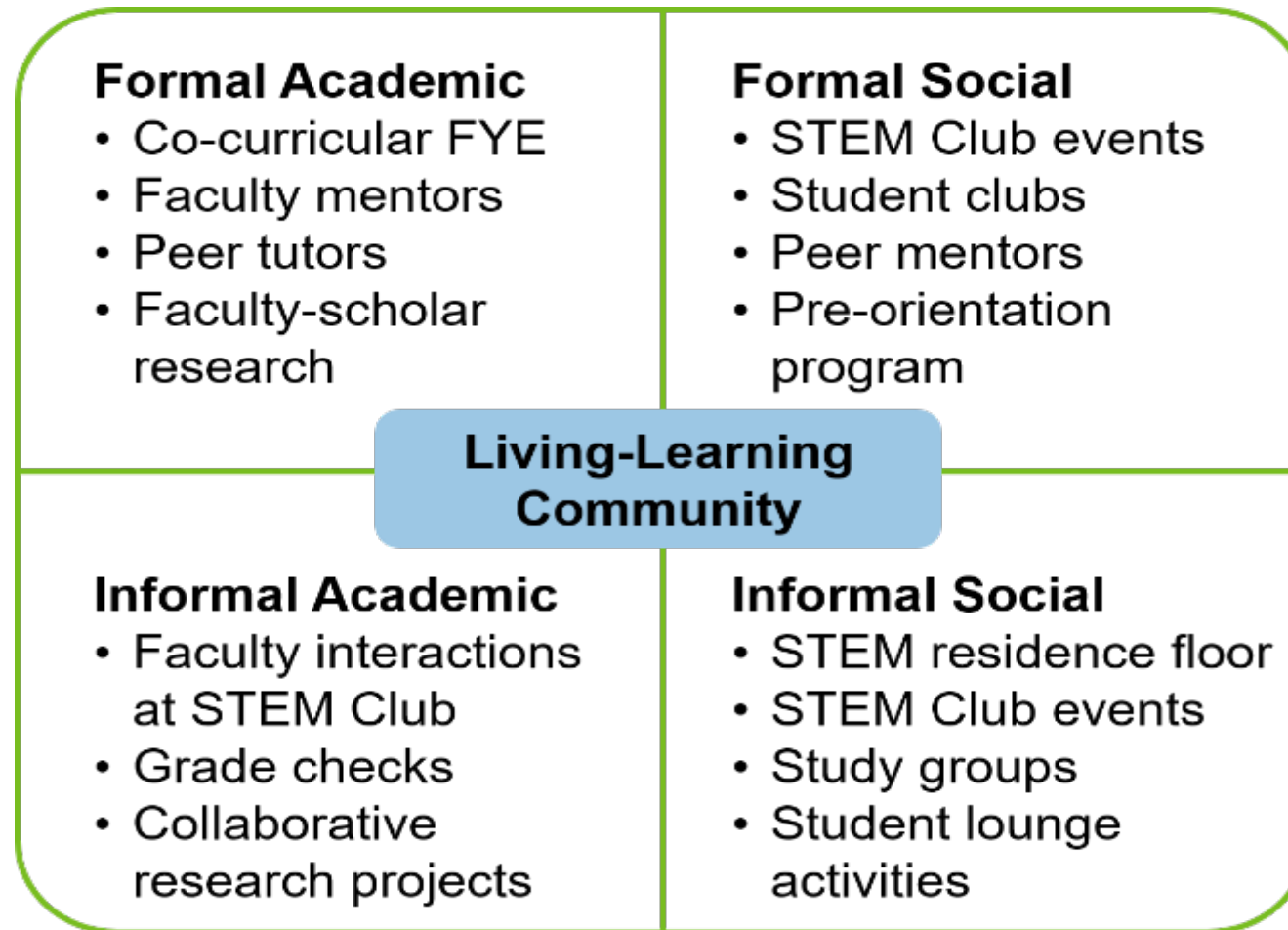
Program designed to meet student needs

Apply the **Resilience-focused, Systemic Paradigm for Education**, a holistic framework



Facet	Program features
Family	- Financial: Scholarships, computers, childcare - NEAR training Neurobiology, Epigenetics, Adverse Childhood Experiences and Resilience
Community Formal/informal & social/academic	- Monthly learning community events - Peer and faculty mentoring - Pre-orientation week - STEM residence floor
School Integrated support systems and opportunities	- Individualized advising: PI, STEM TRIO STEM orientation course - Academic: free tutors, grade checks, success plans - Research & conferences - Career & professional development
SEL & Biopsychosocial Functioning	- Emotional intelligence trainings - Prioritizing relationships and mental health
Classroom & Curricular/ Instructional	Faculty training to create inclusive environments: Culturally responsive pedagogy, SEL Three Signature Practices, Student mentorship

Community-based support intersects formal and informal environments and academic and social



Questions & Answers



[This Photo](#) by Unknown Author is licensed under [CC BY-SA](#)

Upcoming Event

Register Here:



https://aaas.zoom.us/meeting/register/kfIWgaLxTaOrv_wtzjwM7A





SCOTT MCCLOSKEY
Recent Graduate from
UC Irvine



CRYSTAL BROWN
Worcester Polytechnic
Institute



ROSELINE TELFORT
NORC at the University of
Chicago

THE AI-POWERED SCHOLAR

ENHANCING WORKFLOWS AND ETHICAL AI APPLICATION IN STEM

NOVEMBER 4 | **3-4:00 PM EST**

Join us for an interactive, fast-paced session designed to help S-STEM Scholars master the emerging AI frontier by pairing cutting-edge tools with rigorous ethical boundaries

REGISTER TODAY
Scan QR code or click links within the images surrounding the flyer.





Post-event Survey

Link:

<https://airtable.com/appl659ofek49ZUYYX/pag3ljJ8klFdXgnww/form>





Stay Connected With Us!

Explore: <https://sstemrec.aaas.org/>

Get on our Mailing List: <http://eepurl.com/grH5C9>

Connect on LinkedIn: <https://www.linkedin.com/company/csew>

Follow on Bluesky: <https://bsky.app/profile/aaascsew.bsky.social>

NSF AWARD #2224093: AAAS-NSF S-STEM Resource & Evaluation Center

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE