

Greater Austin



STEM
ecosystem

Cultivate. Learn. Innovate.

An Initiative of the STEM Funders Network

Visit us at www.greateraustinSTEMecosystem.org

Sign up online for our newsletter

Follow us on Twitter [@AustinSTEMeco](https://twitter.com/AustinSTEMeco) [#AustinSTEM](https://twitter.com/AustinSTEMeco)

About the Greater Austin STEM Ecosystem

The Greater Austin STEM Ecosystem fosters deeper collaboration across networks and systems to ensure STEM programming is accessible to ALL students throughout Greater Austin. The learning-centered ecosystem leverages resources supporting STEM education while reducing duplication and amplifying individual organizations and their collective impact.

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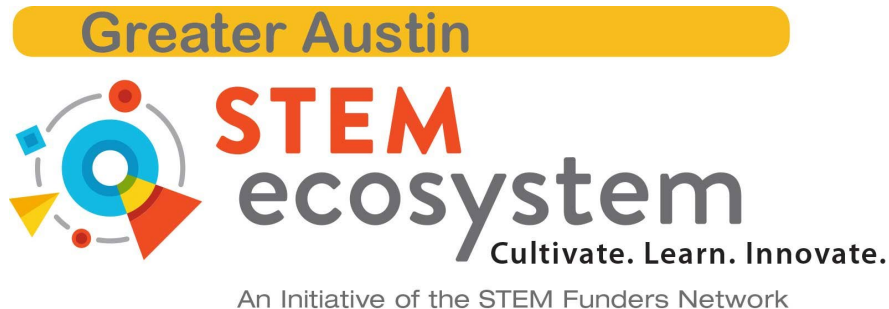
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Ecosystem Vision

The vision of the Greater Austin STEM Ecosystem is that:

- PK-16 learners have the opportunity to obtain the requisite STEM skills to enter competitive 21st century STEM jobs in Central Texas
- All educators are provided the tools and support to ensure that students of all ages are STEM competent and STEM literate

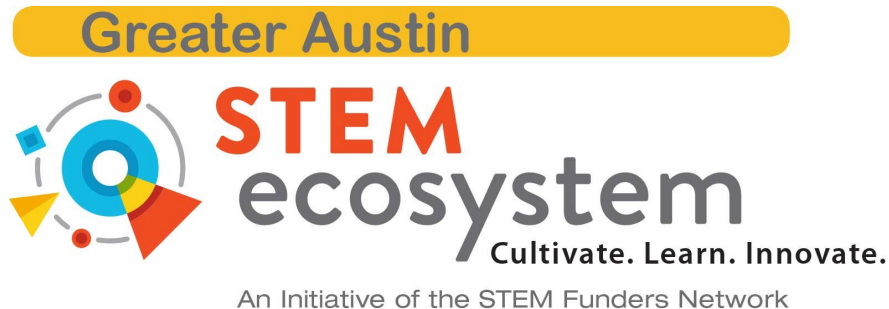


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Ecosystem Action Teams

- STEM in Out-of-School-Time Action Team
- STEM Professional Development Providers Action Team
- Advancing Girls and Women in STEM Action Team
- Advancing Black Youth in STEM Action Team
- 2024 Solar Eclipse Action Team
- Ecosystem Communications Action Team

Calendar of 2022 Networking Forums, Corporate Convenings, and Action Team Meetings coming soon!



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Stay STEM Connected

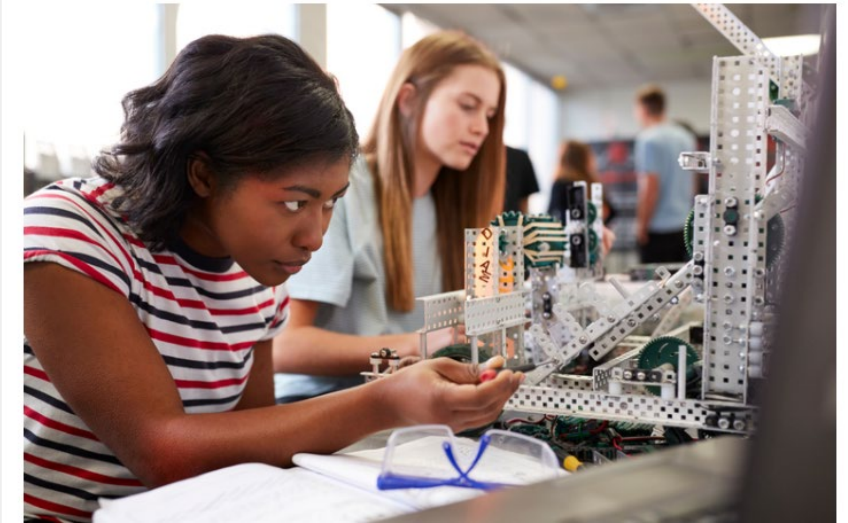
- [Texas Education Agency, Texas Lone Star STEM, PK12 STEM Newsletter](#)
- [Central Texas STEM Google Group](#)
- [Greater Austin STEM Ecosystem Newsletter](#)



Texas Lone Star STEM

October 2021

PK-12 STEM Update



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Greater Austin STEM Ecosystem



**Corporate Convening- a
call to action to support
Texas STEM+CS Education**

Introductions

Please include your name, title, and organization in the chat.

Agenda

An industry-led call to action for Texas policymakers to prioritize STEM and computer science education around the Lone Star State.

- 1) Examining the Problem
 - a) Presentation then open discussion
- 2) Call to action- industry needs government to step up.
 - a) Some broad ideas
 - b) discussion
- 3) Establishing Advocacy Working Group

Examining the Problem

- Both Texas and national workforce projections suggest that, over the next decade, the majority of jobs will require strong talent in key STEM skills. Additionally, Texas is expected to have the second-highest percentage of the nation's future STEM job opportunities.
- Texas policymakers must see STEM and computer science education as a necessity, available to every student in the Lone Star state.
- Tell us about your current and anticipated challenges.
 - Share [HERE](#)

Problem Statement:

Texas lacks skilled, homegrown talent to support next decade of expected economic growth

In Texas, there are currently 53,149 open computing jobs with an average salary of \$94,779.

Yet, there were only 4,160 graduates in computer science in 2018 and only 46% of all public high schools teach a foundational course.

COVID Brought Sharp Declines in Student Outcomes, Especially in Math

STAAR Reading/ELA and Math "Meets Grade Level" Rates, 2019 and 2021



Texas' Rank in K-12 Science??

26th out of 53

* NAEP Science Scores

Texas' Rank in K-12 Math??

23rd out of 53

* NAEP Math Scores

Call to Action

Texas policymakers and education leaders need to prioritize STEM+CS education.

- Sustainable funding
- Systems and workforce alignment
- Professional development and teacher recruitment and retention
- What else??
 - Share [HERE!!](#)

Establishing Advocacy Working Group

To be successful in this advocacy, we propose establishing a corporate STEM Advocacy working group to hold recurring meetings to develop a specific policy agenda leading up to the 2023 session and talk strategies for highlighting industry voice to further our advocacy objectives and make the underlying message clear to policymakers:

- STEM and Computer Science Education must no longer be a luxury, but a necessity.
- Want to be part of this working group?

Sign up [here!](#)

- Feel free to send this link around to your TX-based industry colleagues