



C-STEM

Daring to
dream
BIGGER

2022
Annual
Report




“When we unite to provide STEM education to students who are often overlooked or discarded by society, we do more than simply expose them to STEM—we actively forge pathways out of poverty; we break the cycle of generational inequity; and more importantly, we stoke the flames of possibility within.”

Reagan Flowers, C-STEM
President & CEO

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I have BIG dreams!

Introduction

Daring to Dream Bigger



“C-STEM has brought STEM to more than 200,000 students across the United States... and we know we can do even more!”

Reagan Flowers, C-STEM
President & CEO

I founded C-STEM in 2002 with a big dream — closing the gap for students in need of resources to succeed in STEM. For the last two decades, thanks to the unwavering support of our leadership and partners along with the unbridled passion of the teachers and students we serve, C-STEM has brought STEM to more than 200,000 students across the United States... and we know we can do even more!

Technology is changing the world so quickly, and it’s hard for education to keep up. It’s even more difficult for teachers and schools who barely have the resources to teach the basics.

That’s where C-STEM comes in. We provide the tools, training, and resources to give students the STEM education they deserve.

Every time we see the light bulb go on for a student, inspiration strike for a teacher, or the undeniable feeling that inspires those who help us make an impact, our dream grows that much bigger. We’re delighted to share a few stories from 2022 that energize us and compel us forward. We invite you to join us and to dream big with us as we work to change the lives of even more students, educators, and communities across the nation.

About C-Stem

We are Two Decades and Counting

Since 2002, C-STEM Teacher and Student Support Services has stepped up to be the catalyst in providing equal access to STEM education, both inside and outside the classroom. For more than two decades, the Houston-based organization has grown to serve students, educators, parents, and STEM supporters across the nation. C-STEM has impacted thousands of lives with in-person and virtual competitions, teacher training and curriculum, mentoring, summer camps, internships, and so much more.

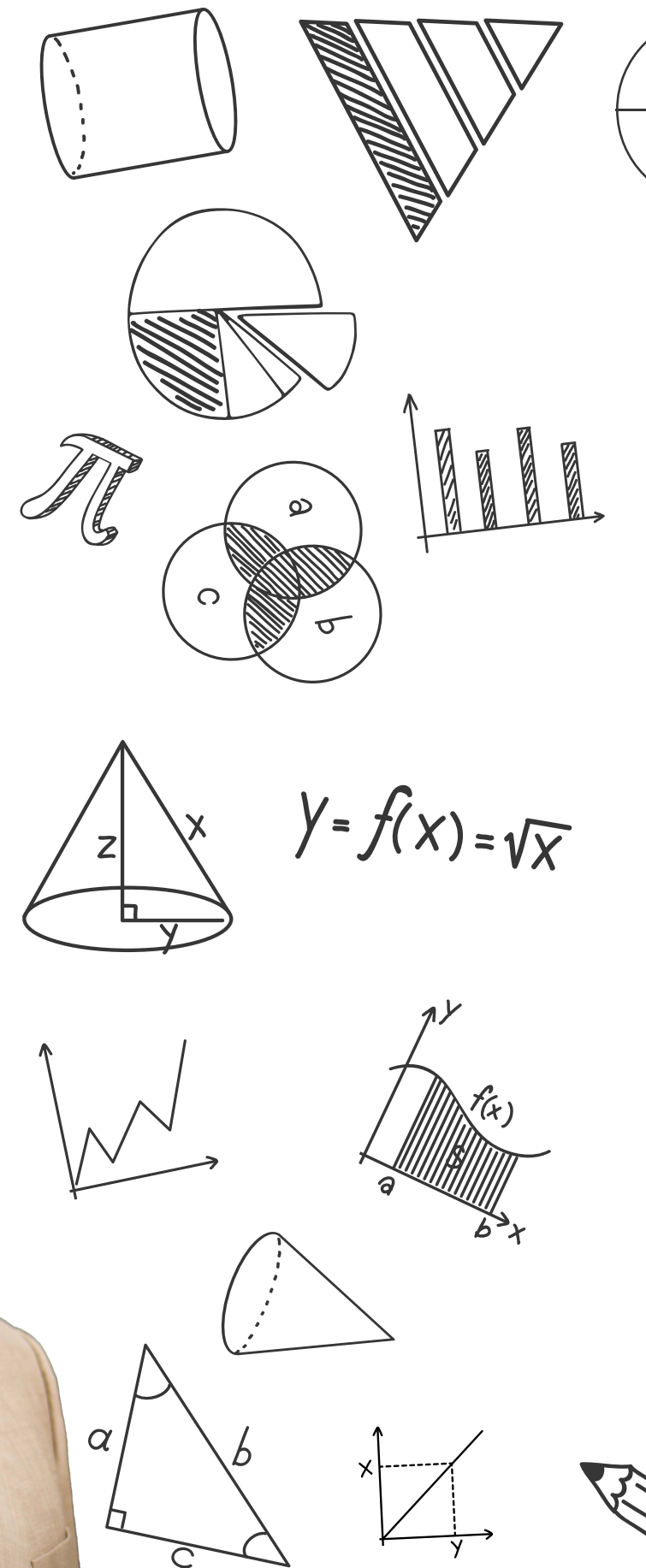
Our mission is to support teachers in delivering project-based learning that ignites curiosity and teaches Communications + STEM (C-STEM) skills to students historically

underrepresented in STEM fields, specifically students of color and girls. We are working to create a world where minority and economically disadvantaged students have high quality communication and STEM experiences that catapult them into transformative spaces, creating opportunities for economic and social mobility.

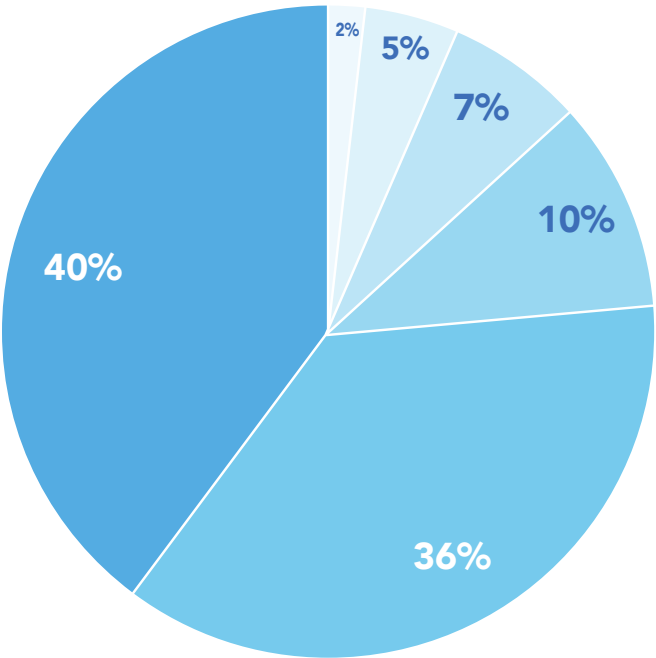
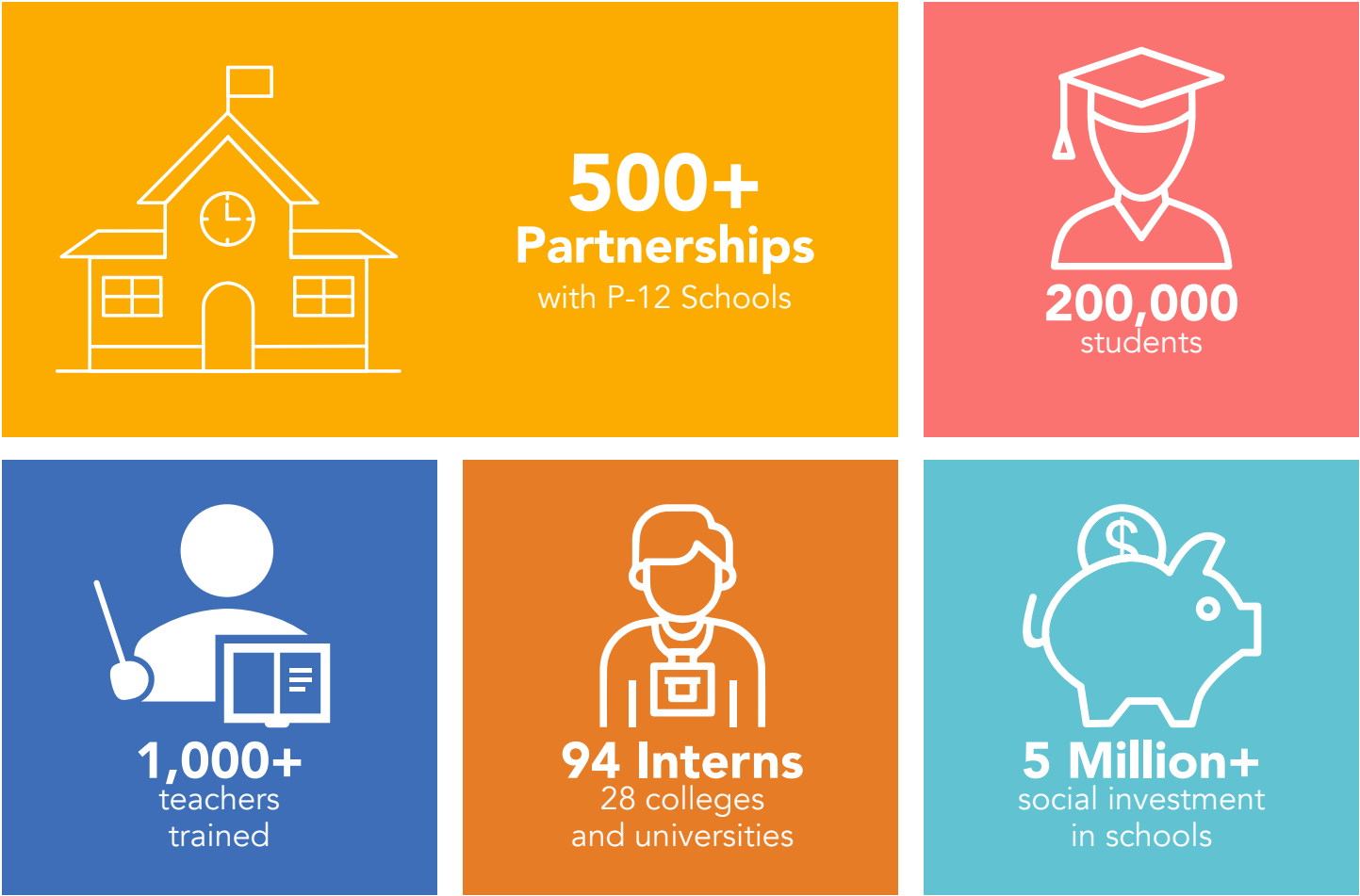
We have partnered with over 150 schools across the country over the years and have had the privilege of being part of thousands of students' success stories. As we continue to refine our curriculum and virtual competition offerings, we have our sights on expanding our partnership efforts to more districts in the coming years.

“With staffing shortages rocking schools across the nation, the supplemental educational services we provide are needed more than ever.”

Ahmad Shaheed
C-STEM Board Chairman



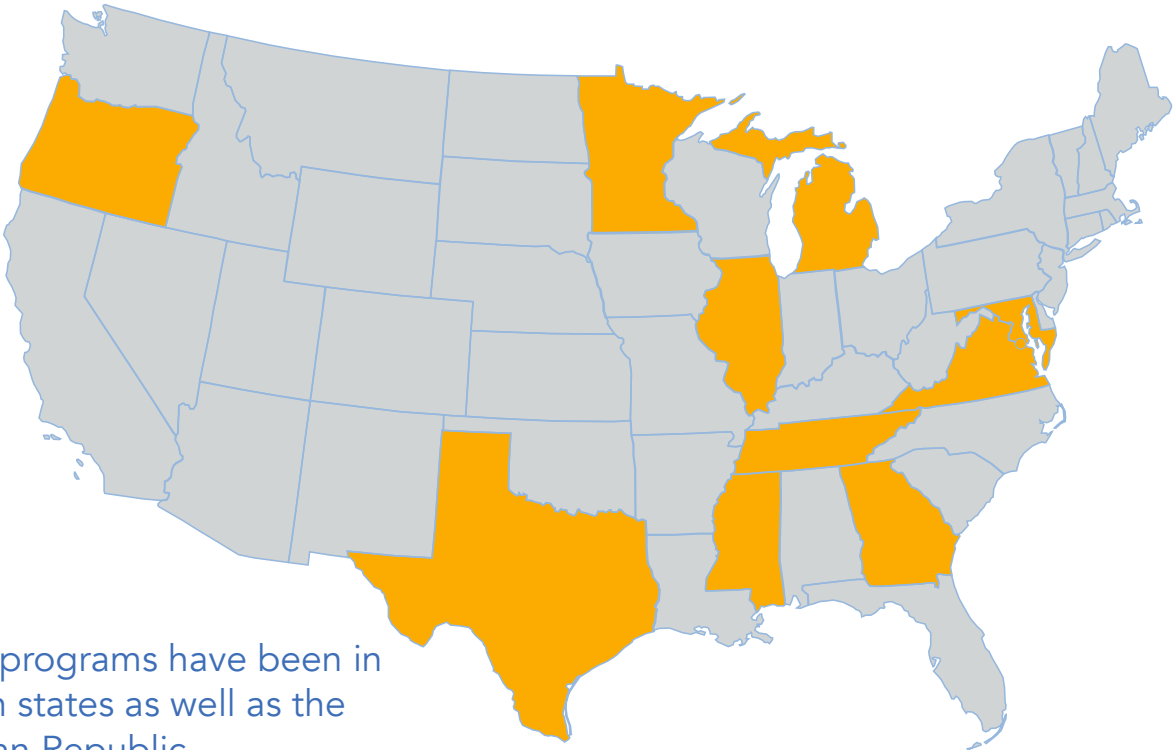
Our Impact since 2002



**National C-STEM
Participation by Ethnicity**
(Preschool -12th Grade)

Hispanic - 40%
Black - 36%
White - 10%
Asian - 7%
Other - 5%
American Indian - 2%

Our Reach since 2002



C-STEM programs have been in these ten states as well as the Dominican Republic.

TX | MD | MI | MS | TN | OR | GA | IL | MN | VA | DC



Teacher Training

Our Integrated C-STEM Training Institute (ICTI) enhances student experiences by equipping teachers with relevant, real-world STEM expertise. The ICTI curriculum is revised each year to incorporate the latest developments in STEM. This supports teachers in providing students with hands-on problem-solving activities directly related to the skills they will need for the careers of tomorrow. The teacher training coupled with the curriculum and project-based learning culminates in an opportunity for students to compete and showcase their knowledge in a C-STEM challenge.

Since resources are scarce in many of the schools we serve, we have forged partnerships with corporations, businesses, and individuals who are also committed to creating better access to STEM education. Our partnership with the HESS corporation was a highlight in 2022 because it funded training and curriculum for more than 25 Houston-area teachers for the 2022-23 school year.



2022 Training Stats

3,105
training hours
delivered

63
total teachers

45
Continuing Education
Credits issued

How One District is Making Waves with C-STEM

Sheldon Independent School District began working with C-STEM five years ago, engaging 120 students in one school. Today, their STEM program spans across 10 P-12 schools. ICTI training prepared their teachers to coach in ways that allowed their students to be creative and innovative so they could develop the skill of solving problems to completion. This also prepares students for successful lives and careers.

“**There are so many positions out there that are going unfilled because no one’s ready for them. When a school district comes together with a partner like C-STEM, a lot of good things happen for kids, for teachers, for a lot of people. Everyone was invested because this work was so important. We HAD to do it!**”

Rebecca Zalesnik
Sheldon ISD Director of Innovative Programs



Dream Big With Us

We can’t wait to help more schools nationwide develop a STEM path that spans the full educational experience. Whether you’re a teacher, an administrator, or an enthusiastic STEM supporter, let’s talk about how we can bring C-STEM to a school or district you care about!

Toolkits and Challenge Day

In 2022, we were thrilled to have the in-person C-STEM Challenge competitions resume, with schools hosting the events with C-STEM’s support. Hosting in-person competitions meant that students would have a platform to share and test the knowledge they had gained in front of their parents, teachers, and peers.

The theme for the year was “Climate Tech: Creating Innovative Solutions”. Students were tasked with using the contents of their C-STEM Toolkits to create innovative STEM solutions in robotics, coding, innovation, mosaic mural, sea turtle sculpture, debate, film, and photography, to address the climate crisis. Their creativity and ingenuity was on full display, and it was amazing to see their ideas come to life.

In all, we distributed nearly 500 toolkits and touched nearly 5,000 students with our programs and outreach in 2022. These efforts were made possible thanks to generous partners like CenterPoint and HESS Corporation, whose investments in C-STEM allowed us to create STEM opportunities in eight area schools throughout the year.



Connection Drives Purpose

The theme, World Water Challenge, tasked them with developing a STEM solution to address a current, pressing environmental issue. The students prepared for months—conducting topic research, preparing models and presentations, and ultimately articulating their findings and developments publicly at the C-STEM Challenge Day on April 23, 2022.

It’s the C-STEM Challenge Day that really brings everything together for students—it helps them make the connection between education and real-life. As each school or district may have different needs, C-STEM works closely with educators to ensure their students have the best experiences possible as they gather and apply knowledge to solve real-world problems. The positive feedback loop that occurs during these Challenge Days is incredible, and every year we learn of success stories from former participants who have moved on to college, internships, and promising careers because of their exposure to C-STEM.

“My students love school, but for the ones that don’t, it’s because they couldn’t make any connections. This program helped them to make connections to what they really want to do in life. It connects all students to their passion, and that’s what I love about it. When they understand their passion, they have a drive to do it, and at that point the sky’s the limit.”

Jeffrey Gaspart
Sheldon Lake Elementary
5th grade teacher, first-time C-STEM participant

Dream Big With Us

We’d love helping connect students with their passions, and ultimately their futures! Our goal is to get **1,000 C-STEM toolkits** in classrooms in the coming year, and you may be able to help us. Let’s connect!



Our Partners

Meeting dreamers where they are is what we do everyday. That’s why every single donation means the world to us... from the smallest to the largest. We are fortunate to have partners and donors who generously give of their time, talents, and treasure as well as in-kind donations. We are incredibly grateful for every person and organization that helps us continue this important mission.



Our Donors

\$50,000+	• Hess Corporation		
\$30,000+	• Precision Reporting & Video Inc		
\$10,000+	• Halliburton Foundation Inc • HEB		
\$5,000+	• Comerica • Earl Cummings • Night Light Pediatrics • Trammell Crow Company		
\$2,500+	• Ahmad Shaheed • Anonymous Donors • Aspen • CATCH Foundation • Educational Consulting Services LLC • Kelly Coleman		
\$1,000+	• Andrew Winata • Brenda Peters • Cheniere Energy • Dr. Eugene Barrington • GulfSouth Pipeline/Boardwalk	• GulfSouth • Kethia Webber • Langford Engineering • Regions Bank • Rhonda Arnold	• SIRVIST HRC • Tanya Easter/ Chevron • Tiffany Grigsby
	• April LaSalle • Carolyn Pettes • Dayo Seton • Jerome Powell	• Kenneth Flakes • Louethel Bremond • Luis Cosme • Sonya Troullier	• The Blackbaud • Giving Fund • Zena Whitworth
\$250+			
\$100+	• Abbie & Rudolph Brothers • Angela Veale • Antoinette Jackson • Becky Zalesnik • Bridgett Holden • Byron Riley • Chad McCurdy • Clarence Anderson • Colleen Banks • Conchita Reyes • Denise Duvernay • Dorota Grobler	• Duni Hebron • Facebook Donations • Frazier Wilson • Hamane Edwards • Kelley Taylor • Ken Rodgers • Kenneth Whitmore • Khalis Rashaad • Kim Odom • Lisa Marshall • Johnson	• Miyoshi Thompson • Robbyn Pope • Roger Watkins • Sara Speer Selber • Sharon Jones • Syalisa Winata • Tejuana Edmond • Thomas Thesen • Tiffany Broussard • Vanessa Reed



Our Leadership

Executive Board

The C-STEM Executive Board brings a diverse range of expertise and talent to the table. We appreciate their time, selfless spirit of giving, and unwavering dedication.



Ahmad Shaheed
Chairman



Marlon K. Scott
Treasurer



Dr. Reagan Flowers
President



Ellana Turner
Director



Dr. Kelly Coleman
Director



Kristal Palmer
Director



Dr. Joseph Seabrooks
Director



Earl Cummings
Chairman Emeritus

Advisory Board

Joi Beasley,
GoGo Communications

Zawadi Bryant
Night Light Pediatrics

Lucy Bremond,
Philanthropist

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Five Woods, LLC

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Michael Harris,
Pagel, Davis, & Hill, P.C.

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Charles Samuel,
AIG

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Alum

Susan Taylor,
Chief Editor Emeritus Essence Magazine

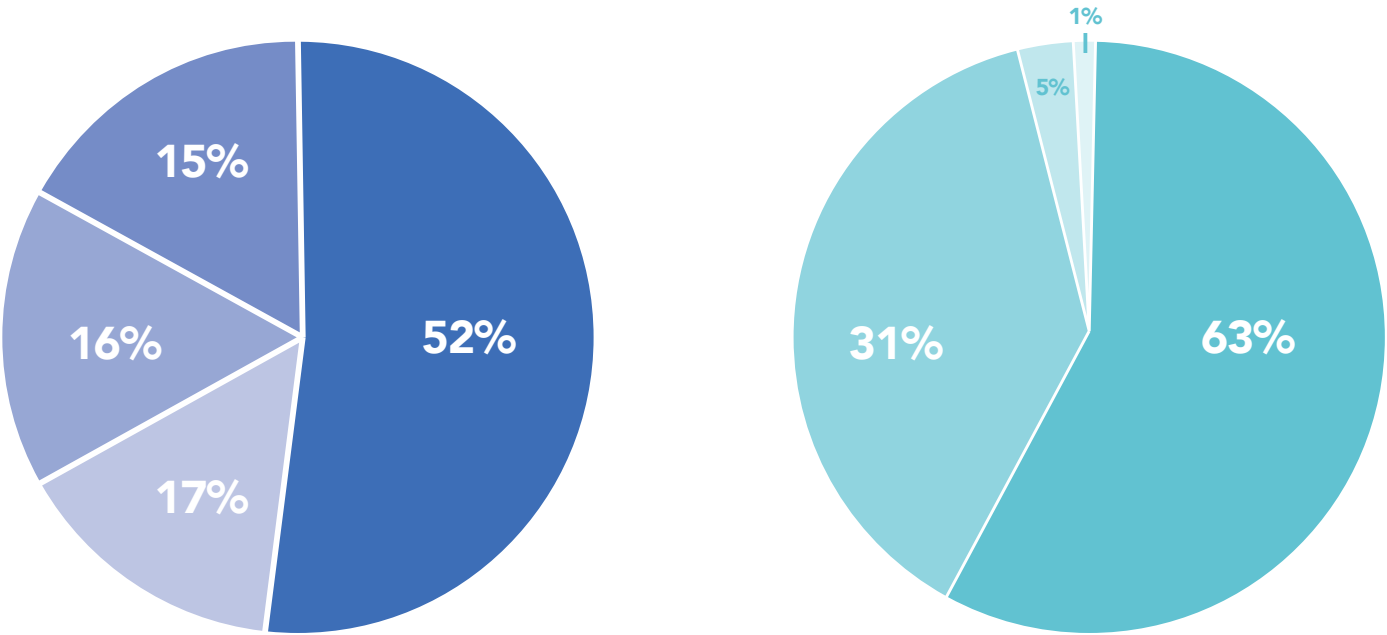
Dr. Frazier Wilson,
Shell Oil Company

Financials

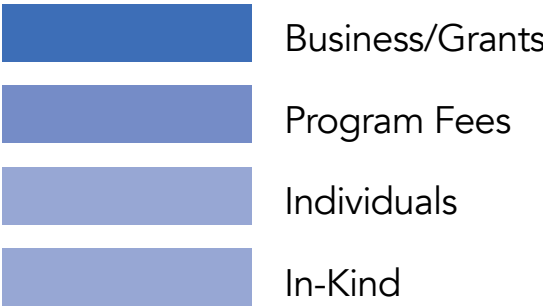
C-STEM manages its revenue and expenses to bring the most value to those it serves. The total operating revenue for the 2022 fiscal year was \$194,019 and total operating expenses for the same period were \$279,271. Although contributed support increased by almost 70% from the prior fiscal year, grant funding, a key source of revenue, decreased by nearly 41% from FY21 levels.

For the coming year, we are diligently working to secure additional grants to deliver our STEM programs to teachers and students across the nation. As of this writing, we have secured \$62,755 in new grant funding and have set a goal to secure at least \$160,000 in total—which is more than double the amount of grants secured for FY22. With these investments, we will be able to make a meaningful impact in the STEM education space.

2022 Financial Performance



Revenue



Expenses





A Look Ahead

“Change will not come if we wait for some other person or some other time. We are the ones we’ve been waiting for. We are the change that we seek.”

Barack Obama, 44th U.S. President

For 2023 and beyond, our dream is to be part of a world where no child experiences learning gaps due to their neighborhood, skin color, disability, orientation, income, or any other factor. Now is the time, it’s our time! It’s time for advocates who share our passion to jump in wherever possible to advance the movement. We invite you to...

**Dream big
with us!**



Together we can:

- ✓ Deliver PreK-12 C-STEM programs in schools across the country
- ✓ Implement C-STEM Challenge Day competitions that bring STEM learning full circle
- ✓ Provide exposure to STEM careers at an early age
- ✓ Diversify the pipeline of future STEM talent

Contact us to discuss ways to fund, sponsor, or partner on the following:

- ✓ Curriculum training for teachers
- ✓ Challenge Day Competitions and other C-STEM learning activities for students
- ✓ Operational support to more effectively deliver our programs
- ✓ Leadership and volunteer opportunities to support the work

dare to dream bigger



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and links to our social media on **cstem.org**.



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