To inspire the next generation of innovators and thought leaders by engaging them in exciting hands-on projects solving real-world problems to encourage entry into the talent pipeline, bolster self-confidence, and foster a well-rounded mastery of the areas of communication, science, technology, engineering, and mathematics.
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Message From The President</td>
<td>4</td>
</tr>
<tr>
<td>Message From The Chairman</td>
<td>5</td>
</tr>
<tr>
<td>By The Numbers</td>
<td>8</td>
</tr>
<tr>
<td>Growing Our Footprint</td>
<td>9</td>
</tr>
<tr>
<td>STEMcast Podcast</td>
<td>10</td>
</tr>
<tr>
<td>Youth Commission</td>
<td>11</td>
</tr>
<tr>
<td>STEMing The Tide Scholars</td>
<td>12</td>
</tr>
<tr>
<td>Extended Community Impact</td>
<td>13</td>
</tr>
<tr>
<td>Executive Board</td>
<td>14</td>
</tr>
<tr>
<td>Advisory Board</td>
<td>14</td>
</tr>
<tr>
<td>Sponsors</td>
<td>15</td>
</tr>
<tr>
<td>Donors</td>
<td>16</td>
</tr>
<tr>
<td>Financials</td>
<td>19</td>
</tr>
</tbody>
</table>
“Success in the economy and society of the future will be much more a function not simply of what people have learned but of what they are capable of learning.”

David Conley
College and Career Readiness Expert
MESSAGE FROM THE PRESIDENT

On behalf of the students and teachers impacted by C-STEM programs, I invite you to review our annual report which highlights our community impact both near and far. The start of the 2017-2018 academic year was tough for many of our Houston area schools thanks to Hurricane Harvey. As an organization we have a proud history of being resilient and have continued in that tradition with C-STEM programs.

Through outstanding leadership and visionary support of the Executive Board, C-STEM has been rebranded and our service model has been redesigned to extend support to other STEM programs that share in this work. Together we are stronger, the rising tide is lifting all of our ships, and we are moving full speed ahead towards a greater purpose.

From our very humble beginnings of 20 students in a middle school, we have risen to the top tier of STEM education programs that are serving students from cradle to career. We have done so by maintaining high standards and remaining committed to thoughtfulness in practice with the delivery of our services. C-STEM has evolved into an organization that is more inclusive of other practitioners, engages higher education in research, and empowers STEM leaders to bring about the change they want to see in their schools, communities, and families.

Even though we have grown into a service organization that is supporting STEM learning globally, we remain dedicated to closing academic achievement gaps. As we continue to grow and share our best practices with others, we will never forget our roots as one of America’s top producers in providing minorities, females, and economically disadvantaged students access to STEM opportunities.

It is our honor to continue this work and we want you to know that we are committed to advocating for high quality and equitable C-STEM education for all students, particularly those who are underserved and underrepresented. In closing, I would like to thank each and everyone of our sponsors and donors who continue to make our work possible. Your commitment to C-STEM cannot be celebrated enough. We applaud all that you have done and continue to do!

Yours in the Journey of Education,

Dr. Reagan Flowers
President and CEO

“The STEM gap is one of the clearest measures of the nation’s opportunity gap.”

Linda Rosen
Dear C-STEM Connectors and Friends,

As a board member for the last 6 years, I am constantly impressed with the way C-STEM connects. Back in 2012, when I first joined the Board I was amazed to see how C-STEM curriculum and hands-on activities connected to the students of Houston at the National C-STEM Challenge. They rocked the robotics field arena at the George R. Brown Convention Center with their team chants, project presentations, enthusiasm and excitement about Communication, Science, Technology, Engineering and Mathematics with a volume that was greater than the home team advantage at any sporting event in the world. As a Board Member, I was able to participate at one of our Teacher Training sessions and was blown away again by the innovative teaching strategies and the numbers of teachers longing for and loving the opportunity to teach STEM in a way that connects their students to the world around them. Now, as Board Chair, I am astounded by the strength of our connection to our corporate donors, grant providers, and everyday contributors who realize our value in creating “A Passport to the World” for our youth. Through the support of our connections, C-STEM will continue to connect students to careers in STEM that can change the quality of life for so many of our young people.

In 2017, it proved to be a year that tested our connections. Hurricane Harvey took a devastating toll on Houston, creating displaced families, destroyed homes, and closing schools. The focus for schools, corporations, and families turned to the rebuilding efforts, seeking to provide safety and comfort in the wake of the devastation. As the water receded, schools reopened and people returned to their homes, we learned that we are “Houston Strong”. Houstonians connected to each other, neighbors helping neighbors to get back up, survive, and thrive. Our C-STEM connections proved to be Strong to. Our da Vinci Boosters, Corporate partners, and especially everyday Houstonians stepped up to fill the gaps and ensure that the life changing opportunities that C-STEM has to offer continue to be available to our Nation’s youth.

So, I invite you to stay connected with C-STEM and to help C-STEM go viral! Share our success, be part of our success, and ensure our success. Our Nation’s future will be measured by our collective impact.

Sincerely,

Ahmad Shaheed
C-STEM Board Chairman
“STEM education engages students of all ages in tackling grand challenges.”

“To drive lifelong learning and the success of students early on, we must foster an environment where students learn at their own pace in an encouraging environment that cultivates a deep conceptual understanding of subject matter.”

Jessie Woolley-Wilson
DreamBox Learning President and CEO
BY THE NUMBERS

2002-2017 C-STEM CHALLENGE PARTICIPANTS

2,612 Teachers trained

+ 458 Pre K - 12th Grade teams

+ >260K Students

= AN INCREDIBLE COMMUNITY IMPACT
on teacher and student achievement

2017 DATA POINTS

Approximately 88,600 Additional Hours of C-STEM focused Learning

Approximately 2,400 hours support hours

Equivalent to more than 13,343 additional school days of schooling!

31 Pre K-12th Grade Schools National

STUDENT DEMOGRAPHICS

Females (57.1%)

Males (42.9%)

PARTICIPATION BY ETHNICITY

African American (43.75%)

Latino (28.50%)

Asian (16.15%)

White (8%)

Native American (3%)

2 or more races (0.65%)

Elementary (48%)

Middle (15%)

High (37%)
## GROWING OUR FOOTPRINT

<table>
<thead>
<tr>
<th>Platform</th>
<th>Followers</th>
<th>Impressions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facebook</td>
<td>1,200</td>
<td>84,500</td>
</tr>
<tr>
<td>Twitter</td>
<td>5,236</td>
<td>135,127</td>
</tr>
</tbody>
</table>

### MEDIA: AUDIENCE OVER 1 MILLION

- Forbes
- The Detroit News
- YouTube
- 90.9 KTSU
- EMPOWER Magazine
- The Times Weekly.com
- Houston Chronicle
- Defender Network
- Telemundo Houston
- Forward Times

### CSTEM.ORG

- **2,419** Users
- **12,266** Pageviews
- **80.90%** New Visitors
- **33.9%** Returning Visitors

### REACH: TOP STATES

- **25,631** Pageviews
- **76.50%** New Visitors
- **23.50%** Returning Visitors

### CSTEMBreak

- **3,029** Members
- **1,054** Blog Posts
- **6,967** Shared Photos
- **250** Shared Videos
- **46** Groups
- **765** Downloads
## Featured Guests

<table>
<thead>
<tr>
<th>Dr. Joye M. Carter</th>
<th>Machelle Williams</th>
<th>Aisha Habeeb</th>
<th>Glenda Gill</th>
<th>Dr. Damion Thomas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ivette Mayo</td>
<td>Miara Shaw</td>
<td>Tonya Jordan</td>
<td>Tejuana Edmond</td>
<td>Evelyn C. Hankins</td>
</tr>
<tr>
<td>Jessica Autrey</td>
<td>MarCia Ekworomadu</td>
<td>Charles Samuel</td>
<td>Greg Korrol</td>
<td>Brittaney Wilmore</td>
</tr>
<tr>
<td>Sabina Lamb</td>
<td>LaToia Jones</td>
<td>Dr. Renee Matthews</td>
<td>Mimi Parcell</td>
<td>Stephen Rivers</td>
</tr>
</tbody>
</table>
The C-STEM National Youth Commission had a day-long retreat on Saturday, March 18, 2017. The students advocated on the importance of STEM, and pushed their 2017 agenda forward. They created a petition for policy makers asking for a Common STEM definition to be used universally. Their petition received over 100 signatures. We’re excited for these future leaders!
Thanks to Comerica Bank, C-STEM was able to award scholarships to students attending the following universities:

STEMING THE TIDE SCHOLARS

Our internship program continues to provide real-world work experiences for talented college and university students. The 2017 C-STEM interns lent their experience in the following areas: Public Relations, Graphic Design, Public Administration, Sales and Marketing, Engineering, Accounting, Communications, Research and Technical Writing, Information Technology and Project Management.

- Auruba Al-Zibdeh
- Luc To
- Steven Washington
- Syndey LeFlore Murphy
- Enrico Alberin
- Hamane Edwards
- Nelson Carvajal
- Michelle Wang
EXTENDED COMMUNITY IMPACT

- Betsy Ross Elementary - Mural winners
- ABB + C-STEM Partnership continues
- CBC 2017 STEM Braintrust hosted by Congressman E.B. Johnson
- C-STEM + A1 Shred Day
- C-STEM in Detroit, MI - Future scientists
- C-STEM and RushCard - DEPSA
- C-STEM Pop-up camp @ The Health Museum
- Women’s Global Leadership Conference in Energy
- Detroit Edison Public School Academy - Physics Teacher
- DEPSA prepping for C-STEM Challenge
- Robotics Demo @ C-STEM Challenge
- American Red Cross Luncheon
- Thank you ABB & Michigan Science Center
- USHCC Girls STEM Workshop Sponsored by API
- FIRST Robotics Kick-off in Houston
- Governor's Reception
- Super Bowl 51: Verizon Virtual Reality Experience
- STEM Teacher Leadership Summit at Howard University facilitated by the Smithsonian Science Education Center and sponsored by Shell

- STEM Panel - CBC 2017

- Governor’s Reception
EXECUTIVE BOARD
Thank you for your time, and unwavering dedication.

Earl Cummings  
Chairman Emeritus

Ahmad Shaheed  
Chairman

Ruthie Esene  
Vice Chairman

Shomari Williams  
Secretary

Dr. Reagan Flowers  
President

Harold Barber  
Republic Services

Dr. Robert Satcher  
Director

Myoshia Boykin-Anderson  
Director

Charles Samuel  
Director

Dr. Martina Ogbonna  
Director

Miloni Shah  
Director

Dr. Letitia Franklin  
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Trisha Frederick  
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Bobby Bryant  
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Lucy Bremond  
Retired GE and HISD

Antonio ‘Tony’ Canales  
Telemundo

LaQuita Cyprian  
Chase Bank

Laolu Davies Yemitan  
Five Woods, LLC

Ruthie Esene  
Sirvist HRC

Gayle Fallon  
Retired HFTA

Trisha Frederick  
Costello, Inc.

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

Renee Logans  
Access Data Supply, Inc.

David Medina  
Rice University

Antoinette Jackson  
Jones Walker Law Firm

Scott Minnix  
County of Los Angeles

Dr. Sandra Saldana Ortega  
Brand Institute

Ross Peters  
Chevron Phillips

Susan Taylor  
Chief Editor Emeritus Essence Magazine

Dr. Frazier Wilson  
Shell Oil Company

Syalisa Winata  
Real Estate Investment
Thank you endlessly for your support!

≤ $60,000
Shell Oil Company
ABB Foundation
RSM US Foundation

≤ $20,000
Halliburton
HoltHouse Foundation For KIDS
Charles Samuel

≤ $10,000
UniRush
The Fluor Foundation
HEB
Myoshia Boykins-Anderson
Ahmad Shaheed

≤ $5,000
Comerica Bank
CAMAC Foundation
Barry and Ruthie Esene

≤ $3,000
Microsoft
Volunteer Houston
Holy Redeemer Christian Academy
Andrew & Syalisa Winata
Eugene Barrington
Renee Logans
Lucy Bremond
Letitia Ozoude
Colleen Banks
Kethia M. Webber
Education Consulting Services, LLC
Ogun Art + Wine

≤ $1,000
General Electric
Dorota Grobler

≤ $500
Houston Zoo
University of Houston
Greater Houston Community Foundation
Deidra L. Jackson
Linda K. Brown
Tejuana Edmond
Thuy Tran
Toni Crawford
Tonya Jordan
Jeanette Wright
Warren Champ
Anonymous Donations

≤ $300
GE Foundation
Kay Davis Associates LLC
Kevin A. Murray, LLC
Darda Management
Caryn Davis
Tyra Metoyer
Miloni Shah
Basya Benshushan
Christopher Martinez
Harriet & Nathan Wasserstrum
James Donatto
Khalis Rashaad
Mike Ogbebor

≤ $200
Shell Oil Company
Foundation Matching gifts
Shell and Motiva Employee Giving Program
MD Anderson Cancer Center

≤ $100
Volkswagen
Elwood Fortune
Alley Theater
Precise Financial Specialist LLC
Potbelly Sandwich Shop
Amy’s Ice Cream
Anita Thomas
Brian Greene
Bruce L Johnson
Byron Gautier
Cherie Gooden
Larry Payne
Yolanda Green
Janice Arceneaux
Laquita Cyprian
Jervon & Thesha Harris
Pamela Ulmer
Terris C. Harris
Maya G. Henderson
Shawn Taylor
Marshall Isom
Otto Meyers
Ken Esene
Jerome Powell
John Guess
Lynn Weaver

≤ $50

≤ $10

≤ $5

≤ $1

≤ $2

≤ $1
“I love the fact that we’re all in this together and have the same challenges and concerns. We shouldn’t all be reinventing the wheel.”

Audrey Van Alstyne
A district principal of learning technologies in Vancouver, B.C.
FINANCIALS

CONTRIBUTIONS

- Business/Grant Contributions ($196,695)
- Individual/Fundraising Contributions ($50,700)
- In-kind Donations ($129,251)
- Fees for Services ($35,512)

EXPENDITURES

- Fundraising and Marketing ($18,956)
- Administrative ($203,113)
- Program Expenses ($189,784)
“It takes a committed culture of innovation—one that empowers people to use their imagination to shape a better future.”

Marilyn Hewson
Lockheed Martin