“EVERYONE IS AN ARTIST AND AN ENGINEER”

OUR MISSION
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.
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Dear Friends,

Scientific and social advancements affect the way we live and work in the world. For nearly fifteen years, C-STEM has been engaging and inspiring the next generation of innovators and thought leaders. We are very fortunate to provide life changing experiences that are creating a STEM pipeline to college and work. It is with great pleasure to report that many C-STEM alumni continue to successfully complete degrees in STEM, and other related fields that impact STEM industries globally.

We are equally thrilled to report that our nationally recognized STEM program impacted more than 40,000 students in over 42 schools in 2015. Annually, the academic and professional growth of our students and teachers is seen through the innovative STEM projects that are honored with awards such as 3-D printers, computers, and scholarships.

Further, we are delighted to share that we continue to provide expanded STEM opportunities for students, such as the C-STEM inaugural National Youth Commission. This commission enables students to advocate for STEM public policy affecting Pre-K through 12th grade students at the congressional level. **C-STEM’s growth has never been by chance, and has always been the result of many forces working together for the common good.**

We want you to know that our work would not be possible without the generous and continued support of our partners. Kindly remember that you are an important member in the life-changing work we do. At C-STEM, we believe, “Everyone is an Artist and an Engineer”. We invite you to help us build off of the tremendous success we had in 2015. **Thank you for helping us continue to provide opportunities that are creating unlimited possibilities.**

Yours in the Journey of Education,

Dr. Reagan Flowers
Founder and CEO
OUR IMPACT

117,600
Additional Hours Provided Students in C-STEM Learning

42,000
Students impacted in 2015

2,400
Hours Invested by Volunteers

288
Teachers Trained

50/50
Percent of students were Male and Female

42
Schools Impacted

12
Scholarships Awarded

6
Schools Awarded 3-D Printers

KEY DEMOGRAPHICS

43% African American
42% Latino
6% White
5% Asian
4% Other

94%
MINORITY STUDENTS
C-STEM’s outreach efforts have impacted students and teachers throughout the United States and internationally.
We are so glad to have partnerships that expand STEM learning.

**MIDWEST**

**Elementary Schools**
- Academy of International Studies
- Carver STEM Academy
- Chandler Park Academy
- DEPSA Elementary School
- Esmond Elementary School
- Holy Redeemer Christian Academy
- Marvin L. Winans Academy of the Performing Arts
- New Paradigm - College Prep
- New Paradigm For Education-Glazer Academy
- New Paradigm-Loving Academy
- Paul Robeson/Malcolm X Academy
- Rutherford/Winans Academy

**Middle Schools**
- Carver STEM Academy
- Chandler Park Academy
- Detroit Edison Public Schools
- Holy Redeemer Christian Academy
- Marvin L. Winans Academy of the Performing Arts
- New Paradigm -Glazer Academy
- New Paradigm-Loving Academy
- University YES Academy

**High Schools**
- Bladensburg High
- Chandler Park Academy High School
- Chesapeake Math and IT Academy
- Detroit Edison Public Schools-Early College of Excellence High School
- The Roeper School
- Young Coggs Prep Academy High School

**SOUTHEAST**

**Elementary Schools**
- Betsy Ross Elementary
- Greggs Elementary
- Tekoa Academy
- The Lone Star Schools
- Walnut Bend Elementary
- Yellowstone Academy

**Middle Schools**
- Fonville Middle School
- Jackson Middle School
- Patrick Henry Middle School
- Paul Revere Middle School
- Sugar Grove Academy Middle School
- Tekoa Academy Middle School
- Texas Serenity Academy
- Yellowstone Academy Middle School
- Yes Prep Brays Oaks Middle School

**High Schools**
- East Early College High School
- Energy Institute High School
- Kashmere High School
- Klein Collins High School
- Lamar High School
- North Houston Early College High School
- Sharpstown International High School
- Tekoa Academy High School
- Westside High School
- Yes Prep NorthForest
- YES Prep Southeast
The CSTEM Challenge is a competition that engages students in multi-age groups to collaboratively solve six challenges that are inspired by industry professionals. The students are required to participate in all challenge categories, which provides them an integrated STEM learning experience.

The iSTEM Olympiad provides integrated STEM learning experiences that create opportunities for pre-K through 12th grade students to connect learning to the real world. Through C-STEM, students have an opportunity to explore their STEM talents. iSTEM Olympiad students can participate as individuals and non-collaborative teams.

The iSTEM Teacher Training program provides STEM training, support, resources, and a platform for their students to apply STEM knowledge and skills inside and outside of the classroom. The certification process ensures that teachers have the ability to successfully connect classroom learning to real-world trends in STEM related workforce industries.
TEACHER TRAINING

STEMCAST PODCAST EPISODES

- Dr. Reagan Flowers, C-STEM Pedagogy
- Dr. Assata Richards, Empowering our Future: C-STEM’s Urban Nexus Youth Challenge
- Trisha Frederick, Civil Engineering: Achieving Great Heights through the CSTEM Challenge
- Jervon Harris, Civil Engineering: Achieving Great Heights through the CSTEM Challenge
- Glenn Gutierrez, Fixing the Problem you don’t know you have: C-STEM Programming Challenge
- Dr. Padman Narayan, Ideas Change the World: C-STEM’s Innovation Challenge
- Dr. William “Billy” Cohn, Ideas Change the World: C-STEM’s Innovation Challenge
- Ted Ellis, Canvas your Talent: C-STEM Mural Challenge
- Leah French, Using STEM to Create STEAM: C-STEM Mural Challenge

RESULTS
500+ DOWNLOADS
80% WITHIN THE U.S.
20% IN CANADA
CSTEMbreak is a STEM social network created to share and provide education advancement opportunities for Pre k-20 communities.

RESULTS

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<tbody>
<tr>
<td><strong>6,451</strong></td>
<td>Shared Photos</td>
<td><strong>217</strong></td>
<td>Shared Videos</td>
</tr>
<tr>
<td><strong>2,724</strong></td>
<td>Members</td>
<td><strong>37</strong></td>
<td>Groups</td>
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<tr>
<td><strong>969</strong></td>
<td>Blogs</td>
<td><strong>9</strong></td>
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C-STEM YOUTH COMMISSION

The national C-STEM Youth Commission was funded in part by a grant from the State Farm Youth Advisory Board. At the congressional level, the youth commissioners advocate on issues related to academic achievement gaps, drop-out rates, and minority and female participation in STEM.

FEEDBACK

“I learned skills in a mock interview on how to write out legislative notes, present, and speak properly with elected officials which was really helpful”

- Amber Farias

“I know that I will gain a lot of leadership roles, networking skills, motivation, and positivity from the C-STEM Youth Commission.”

- Daelyn McCain

“What made me apply to the C-STEM Youth Commission program was that I wanted to be a part of something that was bigger than me.”

- Marissa Ridge

“We all come from different backgrounds and I feel like the Youth Commission Retreat was able to tie in all of our diverse views. I definitely feel a great bond with my fellow Youth Commissioners.”

- Armon Alex
2015 CSTEM Mobile Tech Challenge winners receive scholarship awards from Consumer Energy Alliance at the annual Energy Day festival.

OUR 2015 ENERGY DAY SCHOLAR RECIPIENTS
- Sharpstown International High School
- YES Prep Brays Oak Middle School
- Yellowstone Academy Elementary School

THE SHELL ECO-MARATHON PROMOTES STEM
CSTEM CHALLENGE EXPANDED TO DETROIT

The CSTEM Challenge inspires the next generation of innovators and leaders with a focused motto that, “Everyone is an Artist and an Engineer.” The challenge gives students the opportunity to dream, imagine, discover, and experience learning through solving STEM problems.

Twenty one schools participated in the Midwest event at the COBO Center.
Our partnership with Comerica bank awarded eight C-STEM students with scholarships to support their advancement at the collegiate level.
The internship program continues to provide real-world work experiences for talented high school, college, and university students. The 2015 C-STEM interns lent their experiences in the following areas: Public Relations, Graphic Design, Public Administration, Sales and Marketing, Engineering, Accounting, Communications, Research and Technical Writing, Information Technology, Project Management.
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Real Estate Investment

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SOCIAL MEDIA IMPACT

GROUP REPORT from January 1, 2015 - December 8, 2015

@cstemorg
@DrReaganFlowers
CSTEM Teacher and ...

GROUP STATS across all Twitter and Facebook accounts
- Incoming Messages: 1,730
- Sent Messages: 1,740
- New Twitter Followers: 1,791
- New Facebook Fans: 112

2,217 INTERACTIONS
BY 1,346 UNIQUE USERS
4,914,610 POTENTIAL REACH

TWITTER STATS across all Twitter accounts

FOLLOWER DEMOGRAPHICS
- Male Followers: 52%
- Female Followers: 48%

18-20:  
21-24:  
25-34:  
35-44:  
45-54:  
55-64:  
65+:  

DAILY INTERACTIONS
@Mentions 331 Retweets 500

T 311 Plain Text
939 Links to Pages
100 Photo Links

OUTBOUND TWEET CONTENT

C-STEM 2015 ANNUAL REPORT 18
SOCIAL MEDIA IMPACT

FACEBOOK STATS across all Facebook pages

My Facebook Pages
1.02k Total Likes, and 16 people talking about this

FAN GROWTH

PAGE IMPRESSIONS

IMPRESSIONS

BY DAY OF WEEK

IMPRESSON DEMOGRAPHICS

Here's a quick breakdown of people engaging with your Facebook Page

AGE & GENDER

TOP COUNTRIES

TOP CITIES

13-17 1 84 / 64 United States 14.8k Houston, TX 7.0k
18-24 795 / 1.1k Dominican Republic 216 Detroit, MI 1.6k
25-34 1.2k / 1.7k India 200 Washington, DC 200
35-44 1.9k / 2.6k Canada 85 Cleveland, MS 189
45-54 1.6k / 1.0k United Kingdom 20 Memphis, TN 185
55+ 1.2k / 1.3k

44% Male
56% Female
SPONSORS
& DONORS

≥ 10,000
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Barry & Ruthie Esene
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Laolu Yemitan &
Dr. Reagan Flowers

5,000
William Mark Lacroix
Ahmad Ibn Quadir Shaheed

3,000
Dr. Roy Carter
Dr. Kelly Coleman

1,000
Michael Aldridge
Antoine & Zawadi Bryant
Tony Canales
Roxanne Chargois
Kenny & Dr. Leticia
Ozude-Eudora
Dr. Joe & Deanna Gathe

500
Geoffrey Castro
Renee Logans
Dr. Robert Satcher
Dr. Frazier Wilson

250
Janice Arceneaux
Toni & Geoffrey Crawford
Laquita Cyprian
LaTanya Easter
Keithtrik Knighten
Ken Marsh
Ross Peters
LaTanya Walker

≤ 100
Jimmy Adams
Samson O. Babalola
Colleen Banks
Doris Barrow
Joi Beasley
Bryant Bobby
Terry Bruner
Cynthia D. Bryant
Tahita Doyle
Alonzo Flores
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Cassie Tijerina
Jason Tillman
Dr. Tishangi Bennett
Michael Todd
Chante Tousant
Thuy Tram
Charles Ukosun
Kabir Urahim
Flora Urbano
Cindy Yenphi Q. Williams
Philip Wright
Fred Zeidman
FINANCIAL OVERVIEW

CONTRIBUTIONS

- Business/Grant Contributions $268,854 (48%)
- InKind Donations $163,150 (29%)
- Individual Contributions $60,985 (11%)
- Fees For Service $65,057 (12%)

EXPENDITURES

- Program Expenses $396,171
- Administrative $201,233
- Fundraising and Marketing $17,841
“PROVIDING OPPORTUNITIES THAT CREATE UNLIMITED POSSIBILITIES”
WWW.CSTEM.ORG

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3226 ALABAMA STREET
HOUSTON, TEXAS 77004
713-443-4521
713-748-7454 (FAX)