

C-STEM

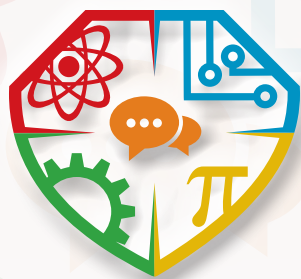
2017 ANNUAL REPORT

“Every child deserves a Quality STEM Education!”



“Everyone is an Artist and an Engineer!”





C-STEM

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.



Elaine V. Chen
Director of Operations



Luc To
Quality Control Engineer



Valerie Leverett
Program Coordinator

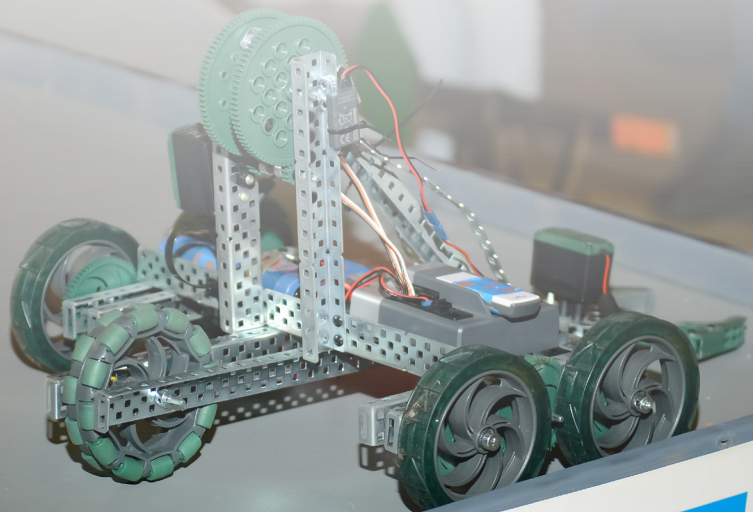


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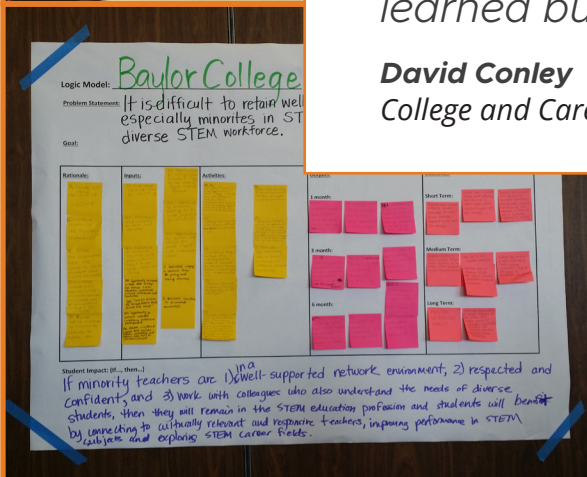


C-STEM
iSTEM TRAINING



“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



"The STEM gap is one of the clearest measures of the nation's opportunity gap."

Linda Rosen

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,

A stylized, handwritten signature in black ink, likely belonging to Dr. Reagan Flowers.

Dr. Reagan Flowers
President and CEO

MESSAGE FROM THE CHAIRMAN

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,



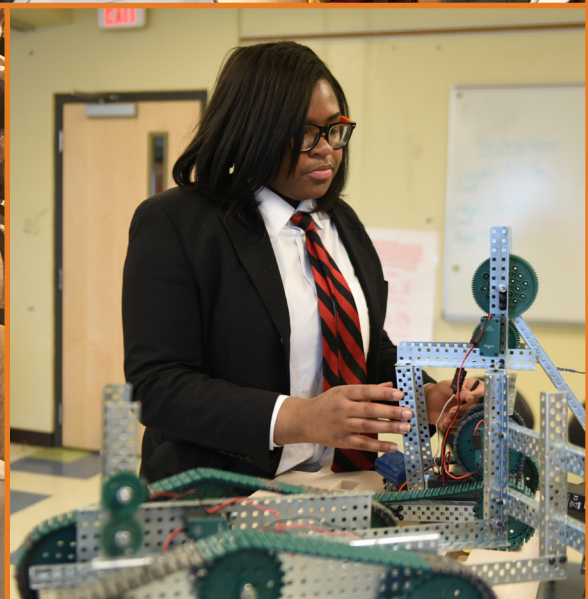
Ahmad Shaheed
C-STEM Board Chairman





“STEM education engages students of all ages in tackling grand challenges.”

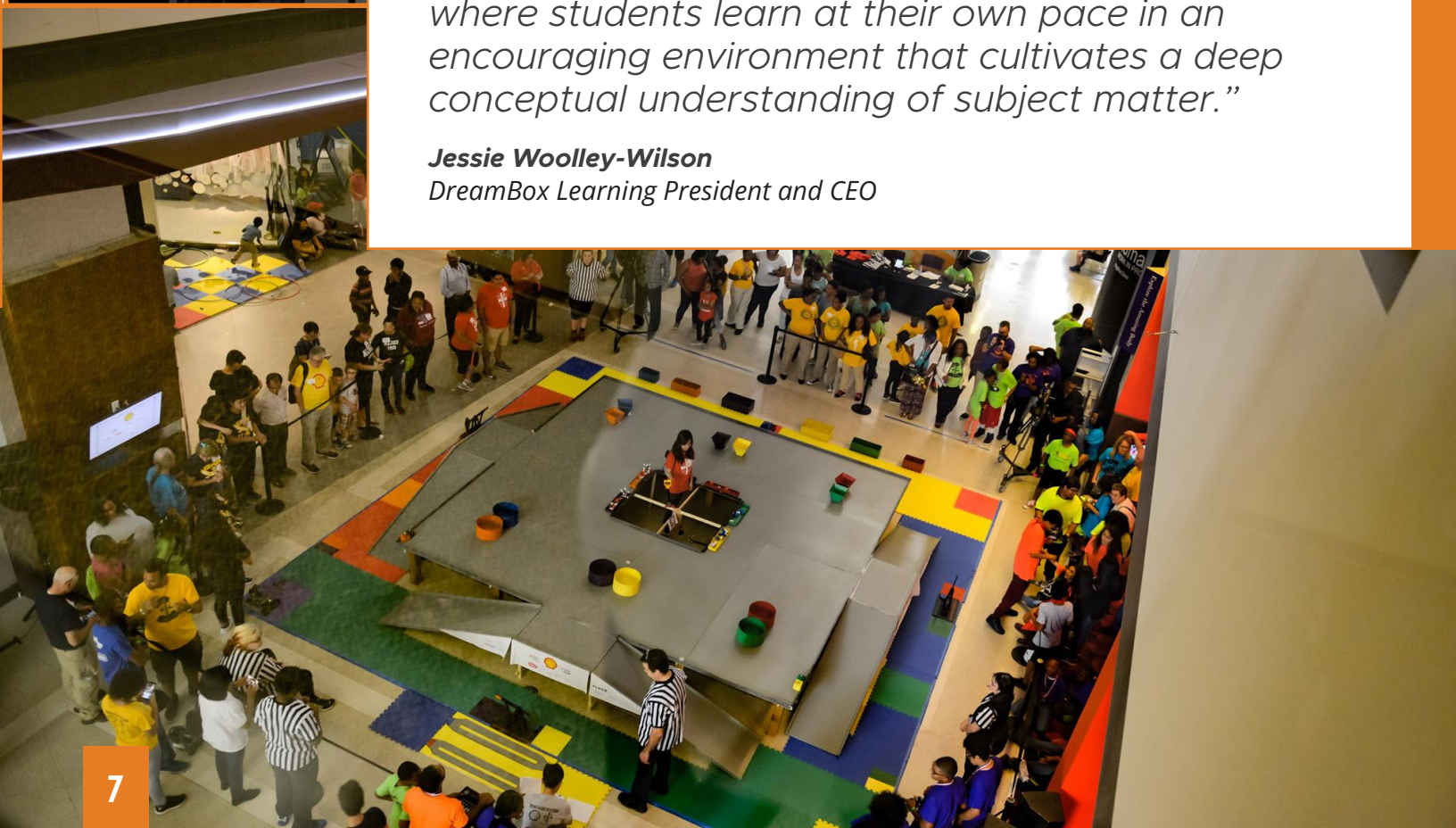
U.S. Department of Education and American Institute for Research (2015)





“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





C-STEM
CHALLENGE

BY THE NUMBERS

2002-2017 C-STEM CHALLENGE PARTICIPANTS

2,612
Teachers trained

+

458
Pre K - 12th
Grade teams

+

>260K
Students

=

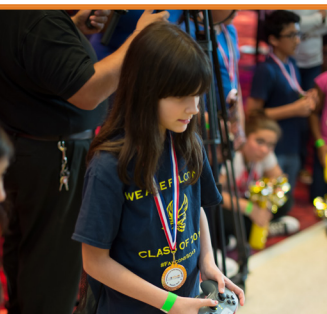
**AN INCREDIBLE
COMMUNITY IMPACT**
on teacher and student
achievement

2017 DATA POINTS



31 Pre K-12th
Grade Schools
National

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

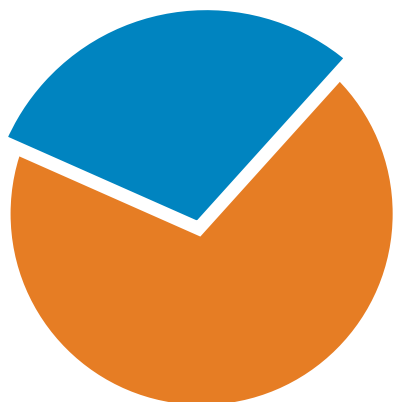


Approximately
2,400 hours
support hours

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



STUDENT DEMOGRAPHICS



Females (57.1%)

Males (42.9%)

SCHOOL LEVEL PARTICIPATION



Elementary (48%)

Middle (15%)

High (37%)

PARTICIPATION BY ETHNICITY



African American
(43.75%)

Latino (28.50%)

Asian (16.15%)

White (8%)

Native American
(3%)

2 or more races
(0.65%)

GROWING OUR FOOTPRINT

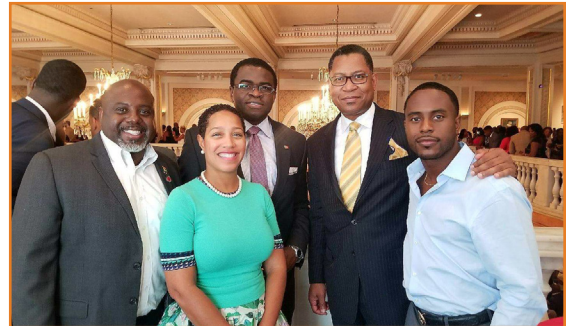
5,236 FOLLOWERS

135,127 TWEET IMPRESSIONS



1,200 FOLLOWERS

84,500 IMPRESSIONS



MEDIA: AUDIENCE OVER 1 MILLION



The Times Weekly.com
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CSTEM.ORG

REACH: TOP STATES

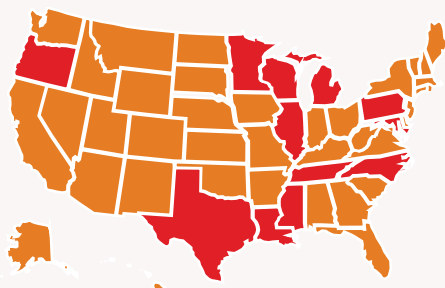
CSTEMBreak

2,419
Users

12,266
Pageviews

80.90%
New Visitors

33.9%
Returning Visitors



25,631
Pageviews

3,029
Members

1,380
Users

1,054
Blog Posts

76.50%
New Visitors

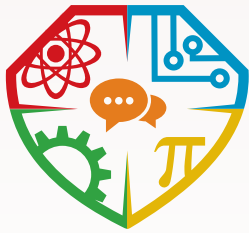
6,967
Shared Photos

23.50%
Returning Visitors

250
Shared Videos

46
Groups

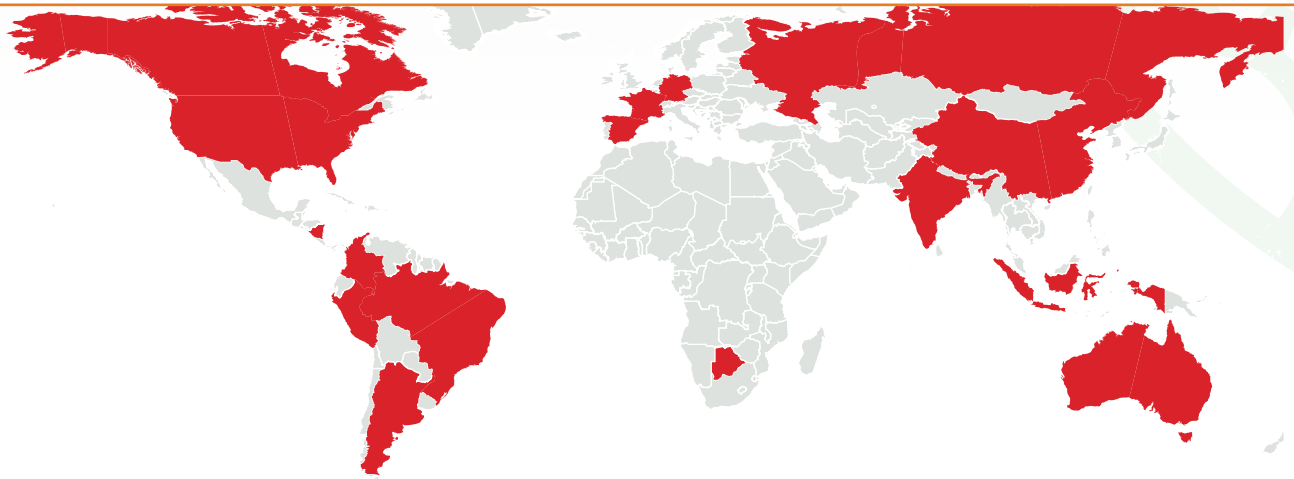
765
Downloads



STEM

STEMCAST PODCAST

Sponsored by: **HALLIBURTON**



FEATURED GUESTS



Dr. Joye M. Carter



Machelle Williams



Aisha Habeeb



Glenda Gill



Dr. Damion Thomas



Ivette Mayo



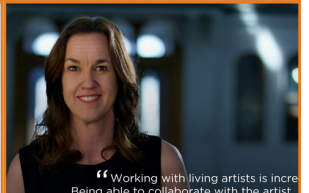
Miara Shaw



Tonya Jordan



Tejuana Edmond



Evelyn C. Hankins



Jessica Autrey



MarCia Ekworomadu



Charles Samuel



Greg Korrol



Brittaney Wilmore



Sabina Lamb



LaToia Jones



Dr. Renee Matthews



Mimi Parcell



Stephen Rivers

YOUTH COMMISSION

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!





STEMING THE TIDE SCHOLARS

Thanks to Comerica Bank, C-STEM was able to award scholarships to students attending the following universities:



INTERNS

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.*



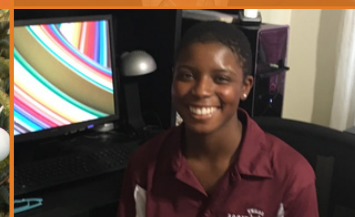
Auruba Al-Zibdeh



Luc To



Steven Washington



Syndey LeFlore Murphy



Enrico Alberin



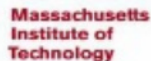
Hamane Edwards



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



Houston League of BTW



Detroit Edison Public School Academy - Physics Teacher



C-STEM Day Camp Fun



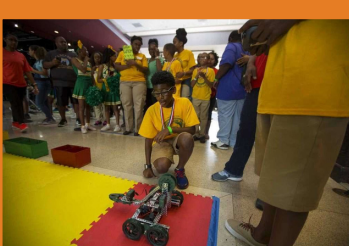
Robotics Camp Sponsored by ABB



DEPSA prepping for C-STEM Challenge



Robotics Demo @ C-STEM Challenge



American Red Cross Luncheon



Women's Global Leadership Conference in Energy



STEM Panel - CBC 2017



Thank you ABB & Michigan Science Center



USHCC Girls STEM Workshop Sponsored by API



FIRST Robotics Kick-off in Houston



Super Bowl 51: Verizon Virtual Reality Experience



Governor's Reception



STEM Teacher Leadership Summit at Howard University facilitated by the Smithsonian Science Education Center and sponsored by Shell



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Thank you for your time, and unwaivering dedication.



Earl Cummings
Chairman Emeritus



Ahmad Shaheed
Chairman



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Vice Chairman



Shomari Williams
Secretary



Dr. Reagan Flowers
President



Harold Barber
Republic Services



Dr. Robert Satcher
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Myoshia Boykin-Anderson
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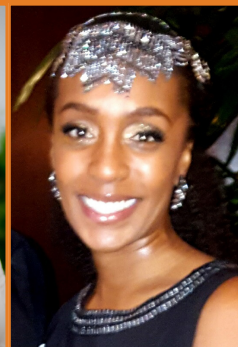
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Anonymous Donations

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Houston Community
College
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Modinat "Abby" Kotun
Heather Ragsdale

≤ \$100

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ATT- Anonymous
Employee



"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

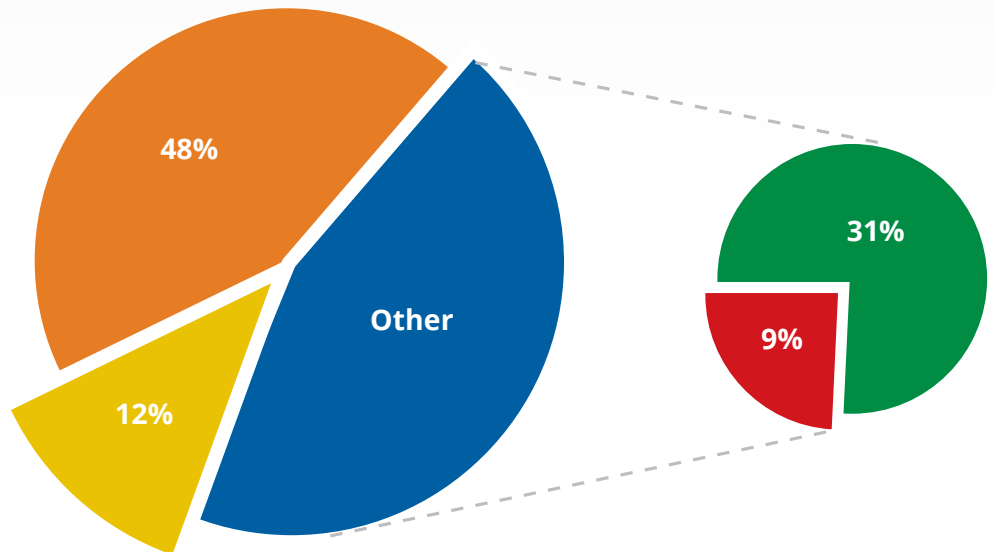
A district principal of learning technologies in Vancouver, B.C.



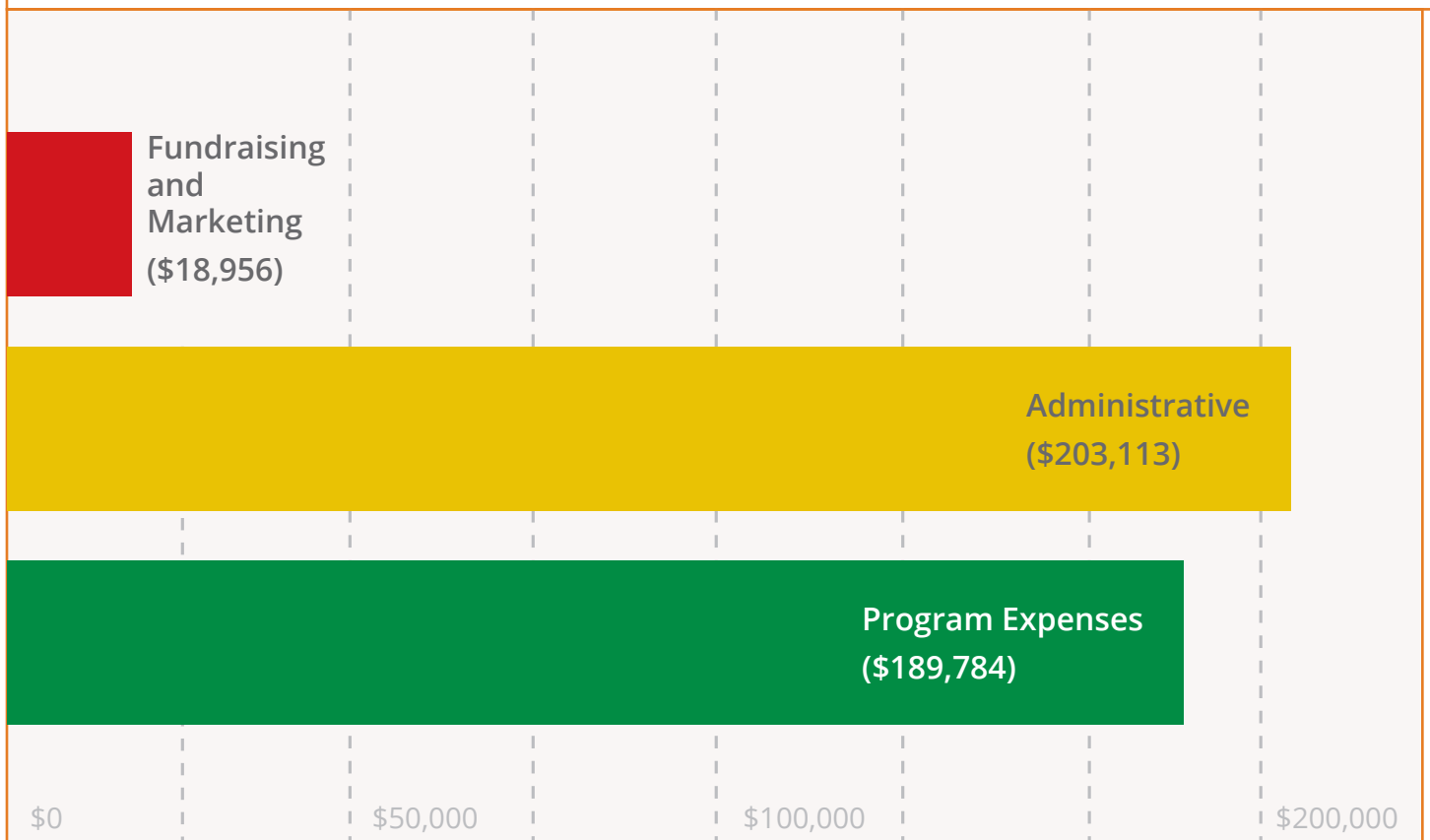
FINANCIALS

CONTRIBUTIONS

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



EXPENDITURES





C-STEM

*"It takes a committed culture of innovation—
one that empowers people to use their
imagination to shape a better future."*

Marilyn Hewson
Lockheed Martin

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