
2014

ANNUAL REPORT

READY... SET... LAUNCH!



TAME ★

Texas Alliance for Minorities in Engineering

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Highlights of 2014:
TAME's new website launched!



A WORD FROM TAME

The past year has been filled with exciting and fun times for everyone involved with TAME.

We have completed our initial year under a new organizational structure. Our Regional Representatives and the new K-12 Special Interest Group have helped us to improve the support structure for the teachers and volunteers that organize TAME clubs throughout the State of Texas. The programs that the state office organizes have really grown and improved this year. With two Trailblazers on the road bringing demonstrations of STEM, more TAME students than ever are having an “Aha” moment of understanding what engineers and scientists do. Our statewide Math and Science Competition was again a tremendous event that allowed our TAME students to compete and show how smart they are. This past year there was also a large focus on raising the bar on the Divisional Math and Science Competitions held throughout the state to qualify for the statewide event. In addition to seeing a lot of TAME students at

competitions and events this year, I also got to meet a few of our TAME scholarship students that are now pursuing STEM degrees in college. Meeting them and hearing about their experiences in TAME was a huge confirmation that what we are doing is really making a difference in these students’ lives. Thanks to strong support from TAME board members, ConocoPhillips, Alcoa, Pratt & Whitney and university partners like Texas Tech, Texas A&M and The University of Texas at Austin, 21 TAME students are receiving financial assistance to pursue STEM careers.

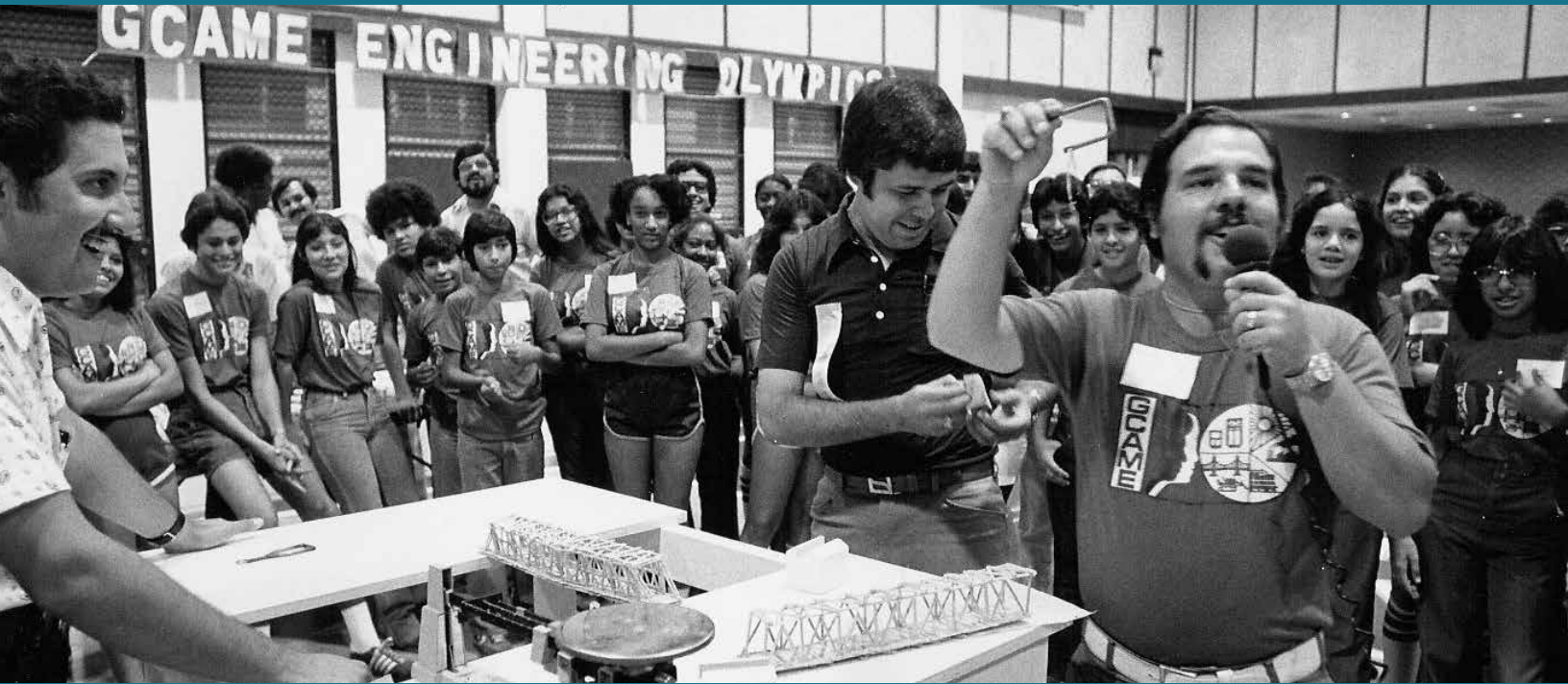
Our Advisory Board members, Board members, volunteers, staff and corporate and private donors have helped us provide programming for well over 20,000 Texas youngsters. I thank them for helping to develop the next generation of STEM talent for our state and nation, and challenge you to join us as we continue our mission!



Andy Deck
Chair, TAME Board of Directors

Thanks to a generous grant from IBM, TAME has a wonderful new website! The new site is the go-to place for TAME-related information and inspiration, and there’s something for everyone: classroom resources for teachers; TAME club, competition and scholarship information for students; volunteer opportunities; alumni stories; and much more. Explore at TAME.org.

MISSION & VISION



our MISSION: Enabling Texas students to pursue careers in Science, Technology, Engineering and Math (STEM) by:

- Creating partnerships among educators, industry, government and families to inform, educate and motivate students
- Implementing classroom and extra-curricular programs and activities
- Focusing on populations that remain underrepresented in fields of STEM
- Promoting diversity in STEM careers

our VISION: Every K-12 student has the educational experiences necessary to pursue a career in the fields of Science, Technology, Engineering, and Math.

TAME programs are inclusive but are geared towards engaging underrepresented minority students, especially those that are the first in their family to consider higher education and STEM careers.

PROGRAMS

The School-to-STEM Pipeline

Comic Books - K-5th grade:

Available in English and Spanish, the Science Squad Comic Books get younger children excited about science through the adventures of five ethnically diverse TAME students who use their abilities in math and science to defeat the villain du jour.

Trailblazers - 3rd - 8th grade:

The TAME Trailblazers, unique interactive museums-on-wheels, travel to schools and communities across Texas to bring science to students.

TAME Clubs - K - 12th grade:

TAME clubs provide a supportive but challenging place to build math, science, and problem-solving skills and to connect to a network of peers, mentors, and future employers.

Math & Science Competitions - 6th - 12th grade:

High-performing TAME club students come together to compete and celebrate achievement in math and science.

Scholarships - 12th grade:

TAME provides assistance with scholarships for students pursuing STEM and connect scholars to a network of peers and mentors for ongoing guidance and encouragement.

Professional Development - Teachers:

TAME works with our academic and corporate partners to connect our K-12 teachers to cutting-edge professional development opportunities, a strong network for sharing ideas and concerns, and a wealth of teaching resources.

TRAILBLAZER



The TAME Trailblazers don't just show kids the moon - they show them how to get there.



The TAME Trailblazers are unique interactive museums-on-wheels, traveling to schools and communities across Texas to bring science to students. With curated content from NASA, NOAA, National Energy Education Discovery Project, the Trailblazers offer hands-on activities and exhibits that allow students to explore concepts in energy, space, weather, biotechnology, and aerodynamics.





TRAILBLAZER VISITS

Schools: 74

Libraries: 23

Community Events: 32

TOTAL EVENTS: 129

TRAILBLAZER DATA

Miles Traveled: 17,657

Classrooms: 565

Students: 20,322

Volunteers: 1,128

STUDENTS: BY ETHNICITY



Hispanic: 9,260

Caucasian: 5,511

African American: 9,260

Unreported: 1,571

Asian: 816

Other: 6

Native American: 5

STUDENTS: BY GENDER



Female: 9,758

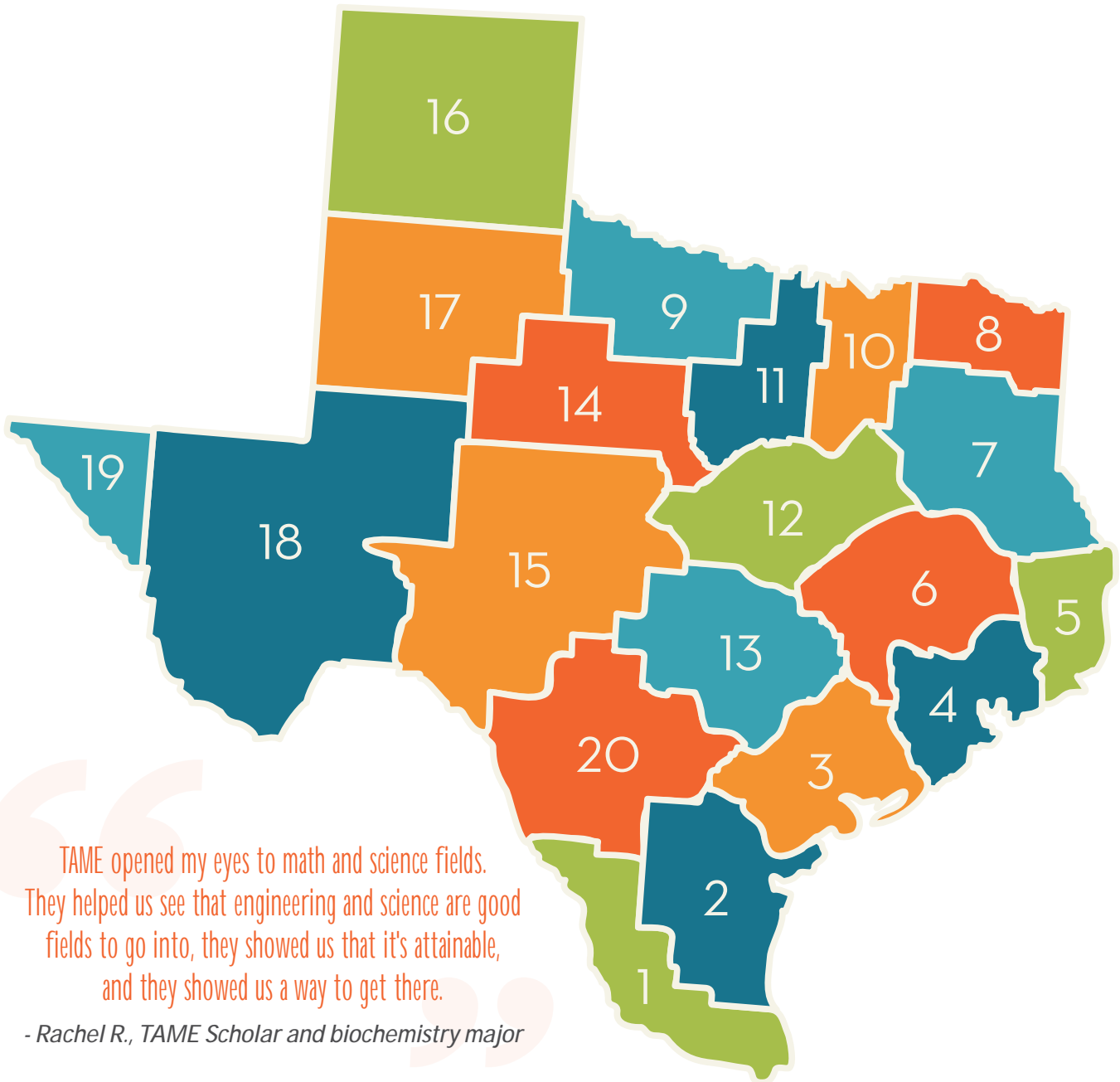
Male: 8,903

Unreported: 1,661

CHAPTERS & CLUBS

TAME Chapters provide local leadership and support for STEM education.

Chapters, which correspond to the regions defined by the Texas Education Agency, bring together volunteers from local schools, colleges, universities, corporations, businesses and community organizations into a leadership team. They offer locally relevant programs like career days, factory tours, and professional development for teachers.





A TAME Club is an enrichment program that is designed to support students interested in exploring STEM subjects with the guidance of sponsors and leaders. While all TAME programs are inclusive, TAME clubs focus on recruiting women and under-represented minority students. The clubs are typically sponsored by teachers or community partners and are usually hosted on a school campus. Clubs meet weekly and program activities are designed to increase student skills, awareness of STEM careers and access to role models.

TEA REGION	CITY	TAME CHAPTER	CHAPTER CHAIR(S)
4	Houston	Gulf Coast (GC TAME)	Emanuel Guidry
5	Beaumont	Golden Triangle (GT TAME)	Annie Carter
9	Wichita Falls	Wichita Falls	Ed Downing
10	Dallas	Dallas	Maurine Amend & Jacqui Long
11	Fort Worth	Fort Worth	Eva Trevino & Steve DeLeon
13	Austin	Capital Area	Mary Plaisance
15	San Angelo	San Angelo	Janice Trees
16	Amarillo	Amarillo	Floyd Anthony
17	Lubbock	Lubbock	Dr. John Chandler
18	Odessa	West Texas	Jeffery Vann
20	San Antonio	San Antonio	Sheilda Madkins

MATH & SCIENCE COMPETITIONS

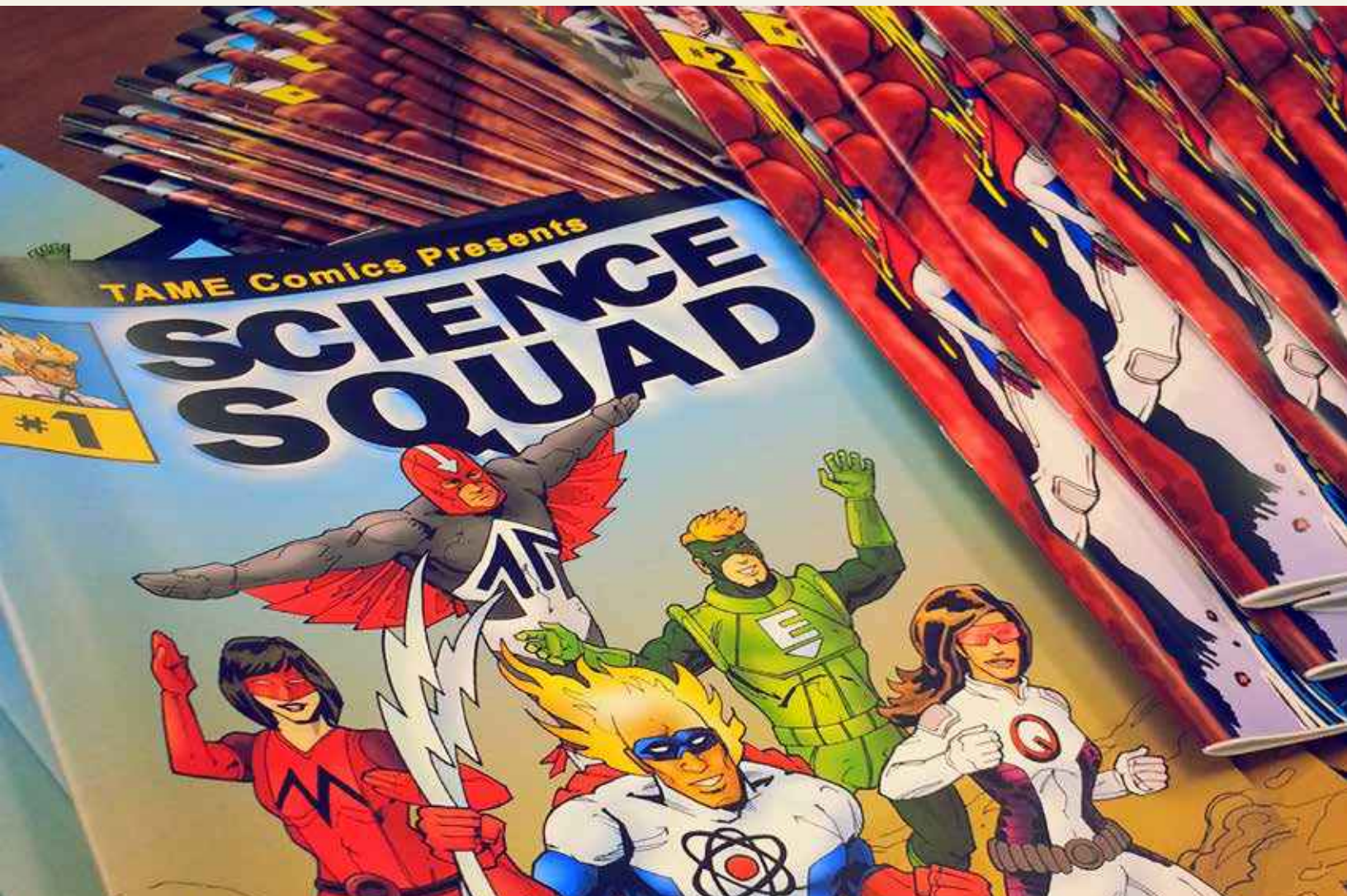
The annual TAME State Math & Science Competition BRINGS TOGETHER hundreds of high-performing minority and female students, grades 6-12, to challenge their science and math skills and connect with a network of peers and mentors across Texas and beyond.



At the 2014 Math & Science Competitions held across Texas,
100% OF PARTICIPATING STUDENTS
-- more than 70% Hispanic or African-American and 45% female --
**WERE GOING TO COLLEGE, WITH 50% OF SENIORS
GOING INTO ENGINEERING AND 90% INTO STEM.**



COMIC BOOKS



TAME Comics presents:

SCIENCE SQUAD™

A professionally produced comic series that supports TAME's mission by showing the adventures of five ethnically diverse TAME students who use their abilities in math and science to defeat the villain du jour. Designed for children in Pre-K through 5th grade.

SCHOLARSHIPS

TAME supports careers in science, technology, engineering, and mathematics

by offering scholarships to TAME club members who have been accepted into an accredited university or community college to pursue higher education in a STEM-related field.

FRESHMAN AWARDS

STUDENT	COLLEGE	MAJOR	SPONSOR(S)
Alejandro Prieto	Midwestern State University	Engineering/Architecture	Pratt and Whitney Alcoa
Alicia Downing	Midwestern State University	Nursing	Pratt and Whitney Alcoa
Barun Das	UT Austin	Petroleum Engineering	ConocoPhillips
Brice Edward Dudley, Jr	Stanford	Biomechanical Engineering	ConocoPhillips
Chelsea N Onyeador	Stanford	Bioengineering	ConocoPhillips
David Harawa	West Texas A&M University	Accounting	Pratt and Whitney Alcoa
Faria Zaka Kazi	UT Austin	Biology	ConocoPhillips
Jennifer Han	University of Southern California	Biological Sciences	ConocoPhillips
Jose Alan Galindo	Texas A&M	Chemistry	ConocoPhillips
Maryana Mbalule	Midwestern State University	Pre-med	McCoy Foundation Alcoa
Mitchell James Martinez	Texas A&M	Mechanical Engineering	ConocoPhillips
Reginald O Blow, Jr	Texas Tech	Mechanical Engineering	Alcoa
Ruben Cerda	UT Arlington	Computer Engineering	Pratt and Whitney

EVERGREEN AWARDS

STUDENT	COLLEGE	MAJOR	SPONSOR(S)
Anisa Ruiz	Texas A&M	Kinesiology	TAME Board
Antonio Bujanda	Texas Tech	Mechanical Engineering	ConocoPhillips
Janet Nieto	Texas Tech	Mechanical Engineering	ConocoPhillips
Jenna Weiss	Texas A&M	Civil Engineering	TAME Board
Nancy Kha	UT Austin	Biology	TAME Board
Rachel Andrews	UT Austin	Mathematics	ConocoPhillips
Rachel Ramos	UT Permian Basin	Biology	TAME Board
Zoi Thompson	UT Austin	Environmental Science	TAME Board

FINANCIALS 2013-14

REVENUE

Contributions: \$407,195

Program Revenues: \$122,976

Investment Income: \$11,936

TOTAL REVENUE: \$542,107

EXPENSES

Program Services: \$558,748

Fundraising: \$19,433

General Administrative: \$29,422

TOTAL EXPENSES: \$607,603

TOTAL ASSETS: (\$65,496)

BOARD OF DIRECTORS



OFFICERS

ANDY DECK

Chair • National Instruments

KATHY ZERDA

Immediate Past Chair • University of Houston

TAMARA CRAWFORD

Secretary • Lockheed Martin

TRICIA GORE

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STEVE DELEON, Regional Rep. • Lockheed Martin (Retd.)

DEB DORMAN • IBM

EMANUEL GUIDRY, Regional Rep. • SK E&P Company

AARON MAESTRAS • Raytheon

KARL NICHOLS • African American Youth Harvest Foundation

CYNTHIA NYVALL • Birdville ISD

IFEANYI OKONKWOR • BASF

KYLE RAY • ConocoPhillips

TRAMAIN SINGLETON • Halliburton

ADVISORY BOARD MEMBERS

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Chevron Phillips (Retired)

GAIL HARRISON

Conoco Phillips

BRIDGET LAUDERDALE

Lockheed Martin

CRES GUZMAN

ASCE Texas Chapter

MAGDA LAGOUDAS

Texas A&M University

PATRICIA ROSSMAN

BASF

DONORS & PARTNERS

PLATINUM: 50K+

ConocoPhillips
Shell Oil Company

DIAMOND: 25 - 50K

BASF
Connecting Texas Libraries Statewide
Lockheed Martin
Toyota USA Foundation

GOLD: 15 - 25K

3M Foundation
Alcoa Foundation
Texas Regional Collaboratives
The University of Texas at Austin

SILVER: 10 - 15K

Boeing
ESC Region 14
IBM
Motorola Foundation

BRONZE: 5 - 10K

Abell Hanger Foundation
Dallas Independent School District
Emerson Process Management
Kathy & Bob Zerda
Marathon Oil Company
Pratt and Whitney Canada Corp
Valley View ISD

FRIENDS OF TAME

Aaron Maestas
Aledo ISD
American Society of
Civil Engineers
Andy Deck
Applied Materials Foundation
Austin ISD
Beaumont ISD
Beccy Hambright
Carrizo Springs ISD
Chevron Phillips Chemical
City of Hempstead
City of San Antonio
Coleman ISD
Crespin Guzman
Dean Akinrinsola
Donna Clanton
Dow Chemical Company
Echometer Company
Encana Oil & Gas
Gail Harrison
Girls Inc. San Antonio
Harlandale ISD
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Laura Bosworth
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Monica Cates
Motiva Enterprises LLC
Mustang Engineering
National Instruments
NYOS Charter School
Prairie View A&M University
Razoo Foundation
Robert Ramirez
Rockdale Downtown Association
Rockwell Collins
Rosebud-Lott ISD
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Somerset ISD
South San Antonio ISD
Stephanie Houghton
Steve DeLeon
Temple ISD
Texas ASCE
Texas Instruments.
Texas Materials Institute
Texas State University
Tramaine Singleton
Tricia Berry
Tricia Gore
Union Carbide Corporation
West Orange Stark ISD
Xcel Energy

COMMUNITY PARTNERS

American Society of Civil Engineers
American Society of
Mechanical Engineers
Connecting Texas Libraries Statewide
National Society of Black Engineers
Skillpoint Alliance
Texas Regional Collaboratives

UNIVERSITY PARTNERS

Amarillo College
Angelo State University
Coastal Bend Community College
Educational Service Centers
Lamar University
Odessa College
Prairie View A&M University
St. Phillips College

Tarrant County Community College
Texas A&M University
Texas State University
Texas Tech University
University of Houston
University of Texas at Austin
University of Texas Pan American
University of Texas Permian Basin



Texas Alliance for Minorities in Engineering

WWW.TAME.ORG

LAUNCHING CAREERS IN STEM!

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